U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TTH VORTAC	HADNO WP (TF) (FB)	093.93 / 18.13	3200
CLOTT WP (IAF)	HADNO WP (TF) (FB) (NOPT)	223.06 / 7.21	3200
KELLY WP (IAF)	HADNO WP (TF) (FB) (NOPT)	293.16 / 9.43	3200
HADNO WP (IF/IAF)	CESAP WP (TF) (FB)	272.27 / 6.00	2300
RW27 (MAP)	HADNO WP (DF) (FO)		3200

MISSED APPROACH

LNAV: RW27

CLIMB TO 2300 THEN CLIMBING RIGHT TURN TO 3200 DIRECT HADNO WP AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 906 AAO/TERRAIN 392848/0870257.
CHART: 939 AAO/TERRAIN 392800/0865954
CESAP WP TO RW27: 3.07 / 40.

FINAL SEGMENT: (TF).

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

MAG VAR: 1W EPOCH YEAR: 85

1. PT NA SIDE OF COURSE ______ OUTBOUND ______ FT WITHIN ______ MILES OF ______ (IAF)
2. HOLD E HADNO WP, RT, 272.27 INBOUND, 3200 FT. IN LIEU OF PT (IAF).
3. FAC: 272.19 FAF: CESAP WP DIST FAF TO MAP: -- THLD: 5.00
4. MIN. ALT: HADNO WP 3200, CESAP WP 2300
5. DIST TO THLD FROM OM: ______ MM: ______ IM: ______ 150 HAT: ______ 100 HAT: ______ GS ANT: ______
6. MIN GS INCPT: ______ GS ALT AT: ______ OM: ______ MM: ______ IM: ______
7. GS ANGLE: ______ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW27 2600

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15 FOR THIS AIRPORT ALTERNATE: N A [X]

CATEGORY =====>		A			B			C			D			E		
		DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
LNAV	MDA	1240	1	595		NA			NA			NA				
CIRCLING		1240	1	595		NA			NA			NA				

NOTES:
GPS OR RNP-0.3 REQUIRED. DME/DME RNP-0.3 NA.
USE TERRE HAUTE ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 645 TDZE: 645 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: / AMDT: NONE / DATE
BRAZIL, IN	BRAZIL CLAY COUNTY	RNAV	JAN 23, 2003 RNAV (GPS) RWY 27, ORIGINAL	

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X		X **APT MGR., TERRE HAUTE FSS, ZID**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
Lyle Forcia	AVN	10-1-02

DEVELOPED BY

NAME:	FIFO	DATE:
MARCELLO G. SADORRA	AVN-160	OCT 29 2002

APPROVED BY

NAME:	FIFO	DATE:
DAVID R. COOK, MANAGER	AVN-130	OCT 29 2002

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	**TTH VORTAC**	**HADNO WP**	**1. TOWER (15-1844)**	**393122 / 0865619**	**1043 (5D)**	**1000**	**AT 1157**	**3200**
			2. TERRAIN	**392918 / 0865242**	**896**		**AS 1500**	**2396 / 2400**
INITIAL	**CLOTT WP**	**HADNO WP**	**3. TOWER (15-1402)**	**393337 / 0864532**	**1262 (5D)**	**1000**	**AT 938**	**3200**
			4. TERRAIN	**393342 / 0864536**	**936**		**AS 1500**	**2436 / 2400**
INITIAL	**KELLY WP**	**HADNO WP**	**5.TOWER (15-2155)**	**392423 / 0864541**	**1173 (4D)***	**1000**	**AT 1027**	**3200**
			6. TERRAIN	**392430 / 0864615**	**945**		**AS 1500**	**2445 / 2400**
INTERMEDIATE	**HADNO WP**	**CESAP WP**	**7. TOWER (15-1681)**	**393119 / 0865103**	**1165 (3C)**	**500**	**AT 635**	**2300**
			2.		**896**		**AS 1000**	**1896 / 1900**
FINAL	**CESAP WP**	**RW 27**	**8. 200' AAO @**	**392848 / 0870257**	**906 (4D)***	**250**	**RA31 AC50**	**1237/1240**
HOLD-IN-LIEU-OF	**HADNO WP**	**P-5**	**3.**		**1262 (5D)**	**1000**	**AT 938**	**3200**
2. PROCEDURE TURN	**NA**		**9. TERRAIN**	**392442 / 0864912**	**975**		**AS1500**	**2475 / 2500**
3. MISSED APPROACH — MAP:	**RW27**	**HADNO WP**				**ASC**		**3200**
ELEV:	**959**							

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	ACTUAL	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	595	**10. 100' TREE**	**392906 / 0870409**	**789 (4D)***	**300**	**AC50, RA31, SI**	**1240**
CATEGORY B	1.5 NM	450							**NA**
CATEGORY C	1.7 NM	450							**NA**
CATEGORY D	2.3 NM	550							**NA**
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW27**

SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION	M S A	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A
360-360	**BALLOON #**	**212 / 24.8**	**1600**	**2600**					

CITY AND STATE	AIRPORT & ELEVATION 645	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
BRAZIL, IN	**BRAZIL CLAY COUNTY**	**RNAV**	**RNAV (GPS) RWY 27, ORIGINAL**	**AGL**

FAA Form 8260 - 9 / February 1995 (Computer Generated)

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:

AIRSPACE: SEE ATTACHED AIRSPACE DATA SHEET.

*** REQUEST FLIGHT CHECK VERIFICATION OF CONTROLLING OBSTACLE.**

TERPS PARAGRAPH 289 APPLIED TO 939 AAO/TERRAIN 392800/0865954

TAA NOT APPLIED.

USE TERRE HAUTE ALIMETER SETTING, TERRE HAUTE INTL- HULMAN FIELD.

@ FINAL OBSTACLE: 200' AAO + TERRAIN AS PER ADVISORY CIRCULAR 150/5300-13 APPENDIX 16, TABLE A16-1C NOTE 5. 4D ACCURACY

RASS ADJUSTMENT: K0I2 - KHUF
DIST BETWEEN ARPs: 9.78 NM
ELEV KHUF: 589.4
K0I2: 645
DIFFERENCE: 55.6
9.78 * 2.30 = 22.494
55.6* 0.14 = 7.784
22.494 + 7.784 = 30.278 (31' RASS)

#1600' BALLOON (15-1769)

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH :	2. WEATHER SERVICE	3. ALTIMETER SETTING
TERRE HAUTE FSS **ZID**	N W S / F A A / A / C — OTHER: **ASOS**	SOURCE: **KHUF** DISTANCE: **9.78**
SATISFACTORY ON: [X] V H F [X] U H F [ ] H F	LOCATION: **KHUF** HRS OPTN: **24**	HOURS REMOTE OPERATION: **24** ADJUSTMENT: **31**

4. MONITOR STATUS	PRIMARY	SECONDARY
	NAVAID:	NAVAID:
	MONITOR POINT:	MONITOR POINT:
	HRS OPTN: CAT 1 / CAT 3	HRS OPTN: CAT 1 / CAT 3

5. AIRSPACE			
FLOOR OF CONTROLLED AIRSPACE UNDER FAC			CONTROL AREA
CONTROL ZONE:	HOURS OPTN	X	TRANSITION AREA

6. APPROACH & RUNWAY LIGHTING			
ALS			REIL
(S) SALS			TDZ
MALS			C/LINE
HIRL		X	OTHER (Specify) **LIRL 9, 27**
MIRL			

7. RUNWAY MARKINGS **BSC-G 9, 27**	8. RUNWAY VISUAL RANGE
ALL WEATHER	APPROACH
INSTRUMENT	ROLL OUT
9. GLIDE SLOPE — G S ANGLE:	ELEV RWY THRESHOLD:
DISTANCE FROM RWY:	ELEV GS ANTENNA:
	THRESHOLD CROSSING HEIGHT:

10. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	F T. FROM THRESHOLD
	X	ON CENTERLINE	F T. FROM CENTERLINE

11. WAIVERS OF STANDARDS	NUMBER OF WAIVERS ON FILE	DATES OF APPROVAL
	NONE	

PART C REMARKS:
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
VDA: CESAP WP TO RW27: 3.07 / 40.
VDP NA, ALTIMETER ADJUSTMENT IN USE.
THLD DISPLACED 442': 392836.70/0870545.85

PART D - PREPARED BY:	DATE:
(E. SCHWARTZKOPF JR.) L. SCHWARTZKOPF SR.	**10/03/2001**
TITLE: **PROCEDURE SPECIALIST**	OFFICE: **ATSA**