

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3000 DIRECT DOVQU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.15 INBOUND. CHART FAS OBST: 1028 T-L TWR 411848N/0850051W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.12 NM TO RW27* *LNAV ONLY. WAAS CHANNEL # 86401 REFERENCE PATH ID: W27A CHART CIRCLING ICON. LTP HAE: 234.8 M								
FWA VORTAC	KUJBI (TF) (FB) (RNP 2.00)			053.83 / 22.53			3000										
TAZCE	NABJI (TF) (FB) (RNP 2.00)			095.93 / 9.57			3000										
KUJBI (IAF)	JUGIG (NOPT) (TF) (FB) (RNP 1.00)			004.48 / 5.00			3000										
NABJI (IAF)	JUGIG (NOPT) (TF) (FB) (RNP 1.00)			184.48 / 5.00			3000										
JUGIG (IF/IAF) (SEE FORM 8260-10)	HIFBA (TF) (FB) (RNP 1.00)			274.48 / 6.01			2500										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E JUGIG, RT, 274.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 274.39 FAF: HIFBA DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: JUGIG 3000, HIFBA 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: HIFBA 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.04 TCH: 45.6 34:1 IS CLEAR 8. MSA FROM: RW27 2700										MAG VAR: 5W		EPOCH YEAR: 2000					
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
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		
LPV DA	1130	1/2	250	1130	1/2	250	1130	1/2	250	1130	1/2	250					
LNAV/VNAV DA	1207	5/8	327	1207	5/8	327	1207	5/8	327	1207	5/8	327					
LNAV MDA	1280	1/2	400	1280	1/2	400	1280	3/4	400	1280	3/4	400					
CIRCLING	1320	1	440	1560	1	680	1720	2 1/2	840	1720	2 3/4	840					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ CAT C 900-2 1/2, CAT D 900-2 3/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 335 CW 134.																	
CITY AND STATE AUBURN, IN		ELEVATION: 880 TDZE: 880 AIRPORT NAME: DE KALB COUNTY			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG-D, 04/27/2017					SUP: AMDT: ORIG-C DATED 11/12/2015					

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div>04/27/2017</div>	
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div>FWA APP CON, ZAU, ZOB, AMGR</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>JAMES ROGERS</div> <div><small>Digitally signed by JAMES ROGERS Dec 29, 2016</small></div>				FIFO AJV-5421	DATE: 11/14/2016
APPROVED BY					
NAME: <div>TONY R LAWSON</div> <div>MANAGER</div>				FIFO AJV-5420	DATE:
CHANGES:					
<div>1. ADDITIONAL FLIGHT DATA: CHANGED VDP DISTANCE FROM 1.13 NM TO 1.12 NM.</div> <div>2. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM 1024 POWER POLE TO 1028 T-L TOWER.</div> <div>3. DELETED BACKUP ALTIMETER NOTE.</div> <div>4. CHANGED ACT CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).</div> <div>5. DELETED INOP MALSR NOTE.</div> <div>6. DELETED NOTE "VDP AND BARO-VNAV NA WHEN USING FORT WAYNE INTL ALTIMETER SETTING."</div> <div>7. ADDED ALTERNATE MINIMUMS AND ASSOCIATED NON-STANDARD NOTE.</div> <div>8. CHANGED PROCEDURE ENTRY RESTRICTION NOTE FOR ARRIVALS AT FWA VORTAC FROM 038 CW 112 TO 335 CW 134.</div> <div>9. UPDATED FAS DATA BLOCK: CHANGED FPAP LAT/LONG FROM 411825.4900N/0850424.5200W TO 411825.0005N/0850517.1315W; CHANGED GLIDEPATH ANGLE FROM 3.00 TO 3.04; CHANGED COURSE WIDTH AT THRESHOLD FROM 096.00 TO 106.75; CHANGED LENGTH OFFSET FROM 0000 TO 1224; CHANGED CRC REMAINDER FROM D5E712C4 TO DEB4FB42.</div>					
REASONS:					
<div>1-2. NEW FINAL EVALUATION.</div> <div>3. NO LONGER REQUIRED, CONTINGENCY ON BACK OF -9.</div> <div>4. NEW AFS LOW/HIGH TEMP CALCULATION.</div> <div>5. CRITERIA: 8260.19G, PARA 8-6-5 (3).</div> <div>6. BACKUP ALTIMETER NOTES NOT REQUIRED, CONTINGENCY ON BACK OF -9.</div> <div>7. CRITERIA: 8260.19G, PARA 8-6-4 (3 AND 4).</div> <div>8. UPDATED RADIALS FOR TURNS THAT EXCEED 90 DEGREES.</div> <div>9. UPDATED PROCEDURE EVALUATION.</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HIFBA (FAF)	RW27 (MAP) (TF) (FO) (RNP 0.30)	274.39 / 4.88	
RW27 (MAP)	1130 MSL	274.39	
1130 MSL	DOVQU (DF) (FO) (RNP 1.00)		3000

CITY AND STATE

AUBURN, IN

ELEVATION: 880

TDZE: 880

AIRPORT NAME:

DE KALB COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, ORIG-D, 04/27/2017

SUP:

AMDT: ORIG-C

DATED: 11/12/2015

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - 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.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGWB
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	411826.0750N
LTP/FTP LONGITUDE	0850318.9125W
LTP/FTP ELLIPSOIDAL HEIGHT	+02348
FPAP LATITUDE	411825.0005N
FPAP LONGITUDE	0850517.1315W
THRESHOLD CROSSING HEIGHT (TCH)	00045.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

DEB4FB42

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02680
FPAP ORTHOMETRIC HEIGHT	+02680

CITY AND STATE

AUBURN, IN

ELEVATION: 880

TDZE: 880

AIRPORT NAME:

DE KALB COUNTY

FACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, ORIG-D, 04/27/2017

SUP:

AMDT: ORIG-C

DATED: 11/12/2015

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
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		FWA VORTAC		KUJBI		1. TOWER (18-001938)		410126.00N/0850351.00W		1246 (5D)		1000		AT754		3000					
						2. TERRAIN		411539.00N/0845309.00W		854 (900)				AS1500		2400					
FEEDER		TAZCE		NABJI		3. TOWER (18-020568)		412524.06N/0845135.73W		1370 (4D)		1000		AT630		3000					
						4. TERRAIN		412733.00N/0850033.00W		965 (1000)				AS1500		2500					
INITIAL		KUJBI		JUGIG		5. AAO		411806.00N/0845006.00W		1067 (4E)		1000		AT933		3000					
						6. TERRAIN		411806.00N/0845006.00W		867 (900)				AS1500		2400					
INITIAL		NABJI		JUGIG		7. TOWER (18-002084)		412102.00N/0845113.00W		1097 (2C)		1000		AT903		3000					
						8. TERRAIN		411951.00N/0844827.00W		860 (900)				AS1500		2400					
INTERMEDIATE		JUGIG (IF/IAF)		HIFBA		9. TOWER (18-000570)		412026.00N/0845352.00W		1115 (5D)		500		AT885		2500					
						6. TERRAIN		411806.00N/0845006.00W		867 (900)				AS1500		2400					
FINAL: LPV		HIFBA		RW27								ASC				1130/250					
FINAL: LNAV/VNAV		HIFBA		RW27		10. TREE (KGWBT000358)		411801.57N/0850309.24W		982 (1A)		161				1207/327					
FINAL: LNAV		HIFBA		RW27		11. T-L TWR (18-026555)		411848.17N/0850051.03W		1028 (1A)		250				1280					
2. HOLD-IN-LIEU-OF-PT		JUGIG		P-5		12. TOWER (39-003505)		411915.50N/0844311.80W		1252 (4D)		1000		AT748		3000					
						6. TERRAIN		411806.00N/0845006.00W		867 (900)				AS1500		2400					
3. MISSED APPROACH	MAP:		DA / DA / RW27		DOVQU								ASC				3000				
	ELEV:		942/1045/1180				13. TOWER (18-002659)		411717.70N/0851138.54W		1110 (1A)		1000				2200				
						14. TERRAIN		411830.00N/0850248.00W		870 (900)				AS1500		2400					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.																	
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		440		15. T-L TWR (18-026560)		411801.49N/0850149.14W		1003 (1A)		300		1320			
CATEGORY B		1.5 NM				450		680		16. TOWER (18-000300)		412001.00N/0850307.00W		1192 (4D)		300		AC50		1560	
CATEGORY C		1.7 NM				450		840		17. TOWER (18-001112)		412101.00N/0850429.00W		1370 (5D)		300		AC50		1720	
CATEGORY D		2.3 NM				550		840		17. TOWER (18-001112)		412101.00N/0850429.00W		1370 (5D)		300		AC50		1720	
CATEGORY E		4.5 NM				550															
5. MINIMUM SAFE ALTITUDES																					
PRIMARY NAVAID: RW27																					
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A			
360-360		TOWER (18-000045)		209/14.0		1648 (4D)		2700													
CITY AND STATE																					
AUBURN, IN																					
ELEVATION: 880																					
AIRPORT NAME:																					
DE KALB COUNTY																					
FACILITY																					
RNAV																					
PROCEDURE AND AMENDMENT NO:																					
RNAV (GPS) RWY 27, ORIG-D, 04/27/2017																					
REGION																					
10																					
CHECKED																					

PART B - SUPPLEMENTAL DATA											
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
ZAU ARTCC FWA APP CON HUF FSS						N W S	OTHER: AWOS-3		SOURCE:KGWB / KFWA		
						F A A			DISTANCE: 0 / 20.60		
						A / C			HOURS REMOTE OPERATION: 0/YES / 24/YES		
SATISFACTORY ON:											
X	V H F	X	U H F		H F	LOCATION: KGWB			ADJUSTMENT: 0 / 57		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS OPTN:	CAT 1								
			CAT 3								
5. APPROACH & RUNWAY LIGHTING										ALS	
										(S) SALS	
		X		MALSR 27 (PCL)							
										HIRL	
		X		MIRL 09 (PCL), 27 (PCL)							
		X		REIL 09 (PCL), 27 (PCL)							
										TDZ	
										C/LINE	
		X		OTHER (SPECIFY) PAPI-2L 09, 27							
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER PIR-F 27									
		INSTRUMENT NPI-F 09									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE: 3.04					ELEV RWY THRESHOLD: 879.2				
		DISTANCE FROM RWY:					ELEV GP ANTENNA:				
							THRESHOLD CROSSING HEIGHT: 45.6				
9. FINAL APPROACH COURSE AIMING			X		RUNWAY THRESHOLD					FT. FROM THRESHOLD	
			X		ON CENTERLINE					FT. FROM CENTERLINE	
10. WAIVERS: NONE											
PART D - PREPARED BY: JAMES ROGERS						DATE: 11/14/2016					
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5421					

PART C - REMARKS:	
PRECIPITOUS TERRAIN EVALUATION COMPLETED.	
CRITICAL TEMPERATURES: CRITICAL LOW :-16C (+4F) CRITICAL HIGH :+54C (+130F) ACT :-16C APT ISA :+13.26C	
CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 966 HIGH TEMP 1127.	
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.84NM CAT C: 2.89NM CAT D: 3.77NM	
NO ADDITIONAL AIRSPACE REQUIRED.	
RASS PRESSURE PATTERNS SAME KGWB 880, KFWA 815 RA = 57.	
TAA NOT USED: ATC REQUEST.	
VGSI DATA: 3.00/44.40	

