

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: RW23 CLIMB TO 3000 DIRECT WEBUX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 049.83 INBOUND. CHART FAS OBST: 959 TRE 403322N/0860134W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.12 NM TO RW23* *LNAV ONLY. WAAS CHANNEL # 40119 REFERENCE PATH ID: W23A CHART CIRCLING ICON. LTP HAE: 215.2 M					
MZZ VOR/DME		HADUN (TF) (FO) (RNP 2.00)		319.05 / 13.79				2400							
OKK VORTAC		HADUN (TF) (FO) (RNP 2.00)		049.49 / 10.54				2400							
FWA VORTAC (IAF)		HADUN (NOPT) (TF) (FB) (RNP 1.00)		244.02 / 37.72				2400							
HADUN (IF/IAF)		WOXOG (TF) (FB) (RNP 1.00)		230.04 / 6.00				2200		MAG VAR: 5W EPOCH YEAR: 2020					
WOXOG (FAF)		FROWN/1.70 NM TO RW23 (TF) (FB) (RNP 0.30)		229.98 / 2.50											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE HADUN, RT, 230.04 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: 229.98 FAF: WOXOG DIST FAF TO MAP: 4.20 THLD: 4.20 4. MIN. ALT: HADUN 2400, WOXOG 2200, FROWN/1.70 NM TO RW23 1400* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: WOXOG 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.1 34:1 IS CLEAR 8. MSA FROM: RW23 2900															
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	1027	1/2	200	1027	1/2	200	1027	1/2	200	1027	1/2	200			
LNAV/VNAV DA	1224	7/8	397	1224	7/8	397	1224	7/8	397	1224	7/8	397			
LNAV MDA	1220	1/2	393	1220	1/2	393	1220	3/4	393	1220	3/4	393			
CIRCLING															
	1260	1	428	1300	1	468	1400	1 1/2	568	1640	2 1/2	808			
NOTES:															
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.					
CHART NOTE: DME/DME RNP-0.3 NA.										@ CAT D 900-2 1/2					
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKK VORTAC ON V285 SOUTHBOUND.															
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 174 CW 335.															
CITY AND STATE		ELEVATION: 832 TDZE: 827		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
KOKOMO, IN		AIRPORT NAME:		KOKOMO MUNI		RNAV (GPS) RWY 23, AMDT 1C, 04/27/2017				AMDT: 1B					
										DATED 06/23/2016					

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE 04/27/2017	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBAA <input checked="" type="checkbox"/>
				OTHER (specify) <input checked="" type="checkbox"/> ZAU, GUS APP CON	
FLIGHT CHECKED BY					
NAME: PENDING				FIFO	DATE:
DEVELOPED BY					
NAME: PABLO ORTIZ				FIFO AJV-5421	DATE: 12/19/2016
APPROVED BY					
NAME: TONY R LAWSON				FIFO AJV-5420	DATE:
CHANGES: Jan 20, 2017					
1. UPDATED PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS FROM 168 CW 329 TO 174 CW 335.					
REASONS:					
1. FWA VORATC MAG VAR UPDATED FROM 0E TO 6W.					



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
FROWN/1.70 NM TO RW23	RW23 (MAP) (TF) (FO) (RNP 0.30)	229.98 / 1.70	
RW23 (MAP)	1027 MSL	229.98	
1027 MSL	WEBUX (DF) (FO) (RNP 1.00)		3000

CITY AND STATE
KOKOMO, IN

ELEVATION: 832 TDZE: 827
AIRPORT NAME:
KOKOMO MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 1C, 04/27/2017

SUP:
AMDT: 1B
DATED: 06/23/2016

QUALITY
22
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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKK
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	403157.7910N
LTP/FTP LONGITUDE	0860314.6565W
LTP/FTP ELLIPSOIDAL HEIGHT	+02152
FPAP LATITUDE	403054.6710N
FPAP LONGITUDE	0860437.1775W
THRESHOLD CROSSING HEIGHT (TCH)	00044.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7F1B8885

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02496
FPAP ORTHOMETRIC HEIGHT	+02496

CITY AND STATE
KOKOMO, IN

ELEVATION: 832 TDZE: 827
AIRPORT NAME:
KOKOMO MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 1C, 04/27/2017

SUP: **22**
AMDT: **1B**
DATED: **06/23/2016**

QUALITY
22
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
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		MZZ VOR/DME		HADUN		1. TOWER (18-002474)		403441.32N/0855038.92W		1144 (5D)		1000				2200			
						2. TERRAIN		402936.00N/0854300.00W		870 (900)				AS1500		2400			
FEEDER		OKK VORTAC		HADUN		3. AAO		403400.30N/0855945.62W		1049 (2C)		1000				2100			
						4. TERRAIN		403442.00N/0860233.00W		857 (900)				AS1500		2400			
INITIAL		FWA VORTAC		HADUN		5. TOWER (18-001460)		404154.00N/0854503.00W		1204 (5D)		1000				2300			
						6. TERRAIN		404209.00N/0854254.00W		890 (900)				AS1500		2400			
INTERMEDIATE		HADUN (IF/IAF)		WOXOG		7. AAO		403436.85N/0855822.90W		1040 (2C)		500		AT660		2200			
						8. TERRAIN		403436.85N/0855822.90W		840 (800)				AS1000		1800			
FINAL: LPV		WOXOG		RW23								ASC				1027/200			
FINAL: LNAV/VNAV		WOXOG		RW23		9. TREE (KOKKT0126)		403249.08N/0860225.18W		939 (1A)		23.37:1				1224/397			
FINAL: LNAV		WOXOG		FROWN/1.70 NM TO RW23		3. AAO		403400.30N/0855945.62W		1049 (2C)		250		DG101		1400			
FINAL: LNAV STEPDOWN		FROWN/1.70 NM TO RW23		RW23		10. TRE (KOKKT000588)		403322.17N/0860133.85W		959 (1A)		250				1220			
2. HOLD-IN-LIEU-OF-PT		HADUN		P-5		5. TOWER (18-001460)		404154.00N/0854503.00W		1204 (5D)		1000				2300			
						11. TERRAIN		404515.00N/0854509.00W		873 (900)				AS1500		2400			
3. MISSED APPROACH	MAP:		DA / DA / RW23		WEBUX								ASC				3000		
	ELEV:		854/1063/1120				12. TOWER (18-000107)		402804.00N/0860906.00W		1140 (3C)		1000				2200		
						13. TERRAIN		402309.00N/0861200.00W		903 (900)				AS1500		2400			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	428	14. TRE (KOKKT000583)	403231.08N/0860213.83W	955 (1A)	300			1260					
CATEGORY B		1.5 NM			450		468	15. BLD (KOKKT000833)	402955.56N/0860158.38W	1000 (1A)	300			1300					
CATEGORY C		1.7 NM			450		568	16. TWR (KOKKT000889)	403119.29N/0860743.08W	1082 (1A)	300			1400					
CATEGORY D		2.3 NM			550		808	17. TOWER (18-001339)	402729.77N/0860424.07W	1326 (1A)	300			1640					
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW23											
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (18-000987)		172/23.6		1817 (5D)		2900											
CITY AND STATE		KOKOMO, IN		ELEVATION: 832		AIRPORT NAME: KOKOMO MUNI		FACILITY RNAV		PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 23, AMDT 1C, 04/27/2017		REGION		AGL		22		QUALITY CHECKED	

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. CRITICAL TEMPERATURES: CRITICAL LOW :-16C (+4F) CRITICAL HIGH :+54C (+130F) ACT :-16C APT ISA :+13.35C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1126. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.88NM CAT D: 3.77NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KOKK 832.3, KGUS 810.60 RA = 22.28. CONTINGENCY ALTIMETER SETTING SOURCE KGUS BOTH KOKK/KGUS AWOS-3 ARE CONNECTED TO WMSCR PER FPT APPROVAL, BACK-UP ALTIMETER SETTING NOTES REMOVED FROM PROCEDURE 70 FT ADVERSE VEGETATION HEIGHT PER FPT LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 23.37:1 VGSI DATA RWY 23: NONE																			
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE															3. ALTIMETER SETTING									
ZAU ARTCC GUS APP CON							N W S		OTHER: AWOS-3											SOURCE:KOKK / KGUS									
							F A A													DISTANCE: 0 / 8.37									
							A / C													HOURS REMOTE OPERATION: 0 / 24									
SATISFACTORY ON:																				LOCATION: KOKK					ADJUSTMENT: 0 / 23				
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
		X		MALSR 23 (PCL)																									
		X		HIRL 05 (PCL), 23 (PCL)																									
		X		MIRL 14 (PCL), 32 (PCL)																									
		X		REIL 05 (PCL), 14 (PCL)																									
				TDZ																									
				C/LINE																									
X		OTHER (SPECIFY) PAPI-2L 05 (PCL), 14 (PCL), 32 (PCL)																											
6. RUNWAY MARKINGS		BASIC																											
		ALL WEATHER PIR-G 23																											
		INSTRUMENT NPI-G 05, 14, 32																											
7. RUNWAY VISUAL RANGE		APPROACH																											
		MIDFIELD																											
		ROLL OUT																											
8. GLIDE PATH		GP ANGLE: 3.00						ELEV RWY THRESHOLD:819.0																					
		DISTANCE FROM RWY:						ELEV GP ANTENNA:																					
								THRESHOLD CROSSING HEIGHT:44.1																					
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD				FT. FROM THRESHOLD																			
				X		ON CENTERLINE				FT. FROM CENTERLINE																			
10. WAIVERS: NONE																													
PART D - PREPARED BY: PABLO ORTIZ										DATE: 12/19/2016																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5421																			

