

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				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	ILS: DA LOC: 5.05 NM AFTER HOONS OM/INT/FWA 6.53 DME OR AT FWA 1.49 DME CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 ON FWA R-134 TO OSBER INT/FWA 22.00 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 4000 ON GSH VORTAC R-130 TO WERBU INT/GSH 31.17 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 314.02 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW WERBU/GSH VORTAC 31.17 DME, RT, 130.47 INBOUND. FAS OBST: 1049 AAO 405410N/0851634W CHART: ASR. CHART (CFGJ) AT INTERSECTION OF CHMLY DR LEG AND INTERMEDIATE COURSE. CHART FWA R-176 AT BETEL. CHART IN PLANVIEW: WERBU/GSH VORTAC 31.17 DME. CHART CIRCLING ICON.											
FWA VORTAC	HOONS OM/INT/FWA 6.53 DME	230.64 / 6.53	2600												
FWA VORTAC	BETEL/FWA 16.00 DME	176.00 / 16.00	2600												
BETEL/FWA 16.00 DME CW (IAF)	JIVBU/FWA 16.00 DME (NOPT)	16.00 DME ARC (FWA LR-223)	2600												
CHMLY INT/FWA 17.94 DME (IAF)	JIVBU/FWA 16.00 DME (NOPT)	334.26 / 2.23 (HDG) & 050.26 / 1.25 (I-HVD)	2600												
JIVBU/FWA 16.00 DME (IF)	HOONS OM/INT/FWA 6.53 DME	050.26 / 9.47 (I-HVD)	2600												
1. PT <u>L</u> SIDE OF COURSE <u>230.26</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>HOONS OM</u> (IAF) 2. _____ 3. FAC: <u>050.26</u> FAF: <u>HOONS OM/INT/FWA 6.53 DME</u> DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u> 4. MIN. ALT: <u>HOONS OM 2600</u> 5. DIST TO THLD FROM OM: <u>5.05</u> MM: <u>-</u> IM: <u>860</u> 150 HAT: <u>-</u> 100 HAT: <u>860</u> GS ANT: <u>1119</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>-</u> OM: <u>2494</u> MM: <u>-</u> IM: <u>910</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.8</u> 8. MSA FROM: <u>FWA VORTAC 2700</u>				MAG VAR: <u>6W</u> EPOCH YEAR: <u>2020</u>											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>N A</u>		ILS: <u>STANDARD #</u> LOC: <u>STANDARD @</u>									
CATEGORY <u>=====</u>	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
S-ILS 05	1015	1800	200	1015	1800	200	1015	1800	200	1015	1800	200	1015	2400	200
S-LOC 05	1300	2400	485	1300	2400	485	1300	5000	485	1300	5000	485	1300	5000	485
CIRCLING	1300	1	485	1300	1	485	1420	1 3/4	605	1520	2 1/4	705	1520	2 1/2	705
NOTES: CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 5: CAT A, B, C, D, RA 106, RVR 1200, HAT 100, DA 915 MSL. CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 5 CAT E VISIBILITY TO RVR 4000 AND S-LOC 5 CAT C/D/E VISIBILITY TO 1 1/2 SM. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 815 TDZE: 815		FACILITY IDENTIFIER: I-HVD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FORT WAYNE, IN		AIRPORT NAME:				ILS OR LOC RWY 5, AMDT 15B, 04/27/2017; ILS RWY 5 (CAT II)				AMDT: 15A					
		FORT WAYNE INTL								DATED 06/03/2010					



ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <div style="text-align: right;">04/27/2017</div>
COORDINATED WITH: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">ATA <input checked="" type="checkbox"/></div> <div style="text-align: center;">AAT <input type="checkbox"/></div> <div style="text-align: center;">ALPA <input checked="" type="checkbox"/></div> <div style="text-align: center;">APA <input checked="" type="checkbox"/></div> <div style="text-align: center;">AOPA <input checked="" type="checkbox"/></div> <div style="text-align: center;">NBAA <input checked="" type="checkbox"/></div> <div style="text-align: center;">OTHER (specify) <input checked="" type="checkbox"/> <u>ZAU, FWA APP CON, FWA ATCT, AMGR</u></div> </div>		
FLIGHT CHECKED BY		
NAME: <div style="text-align: center;">PENDING</div>	FIFO	DATE:
DEVELOPED BY		
NAME: <div style="text-align: center;">PABLO ORTIZ</div>	FIFO AJV-5421	DATE: 08/03/2016
APPROVED BY		
NAME: <div style="text-align: center;">TONY R LAWSON</div>	FIFO AJV-5420	DATE:
CHANGES: <ol style="list-style-type: none"> 1. UPDATED ALL REFERENCE FROM HOONS OM/INT/FWA 6.52 DME TO HOONS OM/INT/FWA 6.53 DME. 2. UPDATED TERMINAL ROUTE FWA VORTAC TO HOONS OM COURSE AND DISTANCE FROM 224.57/6.52 TO 224.64/6.53. 3. UPDATED TERMINAL ROUTE CHMLY TO JIVBU COURSE FROM 049.26 TO 050.26. 4. UPDATED TERMINAL ROUTE JIVBU TO HOONS OM COURES AND DISTANCE FROM 049.26/9.48 TO 050.26/9.47. 5. UPDATED PT SIDE OF COURSE FROM 229.26 TO 230.26. 6. UPDATED FAC FROM 049.26 TO 050.26, DIST FAF TO MAP/THLD, DIST TO THLD FROM OM FROM 5.04 TO 5.05. 7. UPDATED MIN GS OM FROM 2497 TO 2494 AND IM FROM 914 TO 910. 8. UPDATED LOC MAP FROM 5.04 MILES AFTER TO 5.05 NM AFTER. 9. UPDATED MISSED WORDING VIA TO ON. 10. UPDATED CHART FAS OBST 996 POWERLINE TO FAS OBST: 1049 AAO. 11. UPDATED CHART FROM BHTYR TO CFCGJ. 12. ADDED CHART IN PLANVIEW: WERBU/31.17 DME. 13. ADDED CHART CIRCLING ICON. 14. UPDATED MAG VAR EPOCH YEAR FROM 5W/2010 TO 6W/2020. (SEE FORM 8260-10)		
REASONS: <ol style="list-style-type: none"> 1, 2, 8. AIRNAV DATA SHEET SHOWS HOONS OM NEW LAT/LONG. 3, 5. ILS MAG VAG UPDATED FROM 5W/2010 TO 6W/2020. 4, 5. ILS MAG VAG UPDATED FROM 5W/2010 TO 6W/2020 AND HOONS OM NEW LAT/LONG. 7. PER CURRENT I-HVD AIRNAV DATA SHEET. 9. CURRENT REQUIREMENT TO CHANGED WORD VIA TO ON. 10. CURRENT CONTROLLING OBSTACLE. 11. TO A CURRENT CNF FIX NAME. 12. CURRENT DOCUMENTATION REQUIREMENT. 13. NEW CIRCLING CRITERIA APPLIED. 14. MAG VAR OUT OF TOLERANCE. 15. NEW CAT C/D HAA CAUSES # ADDITION AND CAT D HAA CAUSES @ ADDITION. 16, 19. TDZE CHANGED FROM 814 TO 815. 17. NEW CONTROLLING OBSTACLE 53 FEET HIGHER AND VIS TO CURRENT VISIBILITY VALUE. 18. CAT A/B PROCEDURE CONSISTENCY, CAT C NEW CONTROLLING OBSTACLE 51 FEET HIGHER AND TO CURRENT VISIBILITY VALUES, CAT D NEW CONTROLLING OBSTACLE 153 FEET HIGHER AND TO CURRENT VISIBILITY VALUES AND (SEE FORM 8260-10)		

QUALITY
10
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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.

NOTES, (CONT.):
CHART PLANVIEW NOTE: CAT E PROCEDURE TURN NA.
CHART PLANVIEW NOTE: (FWA VORTAC TO BETEL) PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 118 CW 224. (FWA VORTAC TO HOONS OM) PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 174 CW 285.

CITY AND STATE FORT WAYNE, IN	ELEVATION: 815 AIRPORT NAME: FORT WAYNE INTL	TDZE: 815	FACILITY IDENTIFIER: I-HVD	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 5, AMDT 15B, 04/27/2017; ILS RWY 5 (CAT II)	SUP:
					AMDT: 15A
					DATED: 06/03/2010



ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
COORDINATED WITH: <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">ATA <input type="checkbox"/></div> <div style="text-align: center;">AAT <input type="checkbox"/></div> <div style="text-align: center;">ALPA <input type="checkbox"/></div> <div style="text-align: center;">APA <input type="checkbox"/></div> <div style="text-align: center;">AOPA <input type="checkbox"/></div> <div style="text-align: center;">NBAA <input type="checkbox"/></div> <div style="text-align: center;">OTHER (specify) <input type="checkbox"/> _____</div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:
CHANGES: CHANGES CONT. 15. ADDED ALTERNATE MINIMUMS # CAT C 700-2, CAT D 800-2 1/4 AND @ CAT D 800-2 1/4. 16. UPDATED S-ILS 5 DA FROM 1014 ALL CATS TO 1015 ALL CATS. 17. RAISED S-LOC 5 FROM MDA 1260/HAT 446 ALL CATS TO MDA 1300/HAT 485 ALL CATS, VIS CAT C FROM RVR 4000 TO RVR 5000. 18. LOWERED CIRCLING CAT A/B FROM MDA 1320/HAA 506 TO MDA 1300/HAA 485, RAISED CAT C FROM MDA 1320/HAA 506, VIS 1 1/2 TO MDA 1420/HAA 605, VIS 1 3/4, CAT D FROM MDA 1380/HAA 566, VIS 2 TO MDA 1520/HAA 705, VIS 2 1/4 AND LOWERED CAT E FROM HAA 706 TO HAA 705. 19. UPDATED CAT II ILS FROM DA 914 TO DA 915. 20. UPDATED FOR INOPERATIVE ALSF NOTE. 21. UPDATED ELEVATION/TDZE FROM 814 TO 815.		
REASONS: REASONS CONT. CAT E NEW AIRPORT ELEVATION. 20. PER CURRENT CRITERIA. 21. PER CURRENT AIRNAV DATA SHEET. 01/04/17: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/03/16. 1. UPDATED ALL COURSE AND RADIALS UTILIZING FWA VORTAC PLUS 6 DEGREES. 2. UPDATED LOC MISSED APPROACH FROM LOC: 5.05 NM AFTER HOONS OM/INT/FWA 6.53 DME OR AT FWA 1.49 DME FIX TO LOC: 5.05 NM AFTER HOONS OM/INT/FWA 6.53 DME OR AT FWA 1.49 DME. 3. ADDED CHART PLANVIEW NOTE (FWA VORTAC TO BETEL) PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 118 CW 224. (FWA VORTAC TO HOONS OM) PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 174 CW 285.		

QUALITY
 10
 CHECKED

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		HOONS OM/INT/FWA		1. TOWER (18-001314)		405851.00N/0851644.00W		1163 (5D)		1000		AT437		2600			
				6.53 DME		2. TERRAIN		405127.00N/0851333.00W		870 (900)				AS1500		2400			
FEEDER		FWA VORTAC		BETEL/FWA 16.00		3. TOWER (18-002477)		404424.06N/0851143.62W		1249 (4D)		1000		AT351		2600			
				DME		4. TERRAIN		404154.00N/0850339.00W		890 (900)				AS1500		2400			
INITIAL: ARC		BETEL/FWA 16.00		JIVBU/FWA 16.00		5. TOWER (18-000775)		404441.00N/0852428.00W		1279 (5D)		1000		AT321		2600			
		DME CW		DME		6. TERRAIN		404106.00N/0852333.00W		890 (900)				AS1500		2400			
INITIAL		CHMLY INT/FWA		JIVBU/FWA 16.00		5. TOWER (18-000775)		404441.00N/0852428.00W		1279 (5D)		1000		AT321		2600			
		17.94 DME		DME		7. TERRAIN		404433.00N/0852349.00W		870 (900)				AS1500		2400			
INTERMEDIATE		JIVBU/FWA 16.00		HOONS OM/INT/FWA		8. TOWER (18-002440)		404823.16N/0852105.90W		1108 (5D)		500		DG992		2600			
		DME		6.53 DME		9. TERRAIN		404509.00N/0852242.00W		860 (900)				AS1500		2400			
INTERMEDIATE: PT		10 NM		HOONS OM/INT/FWA		8. TOWER (18-002440)		404823.16N/0852105.90W		1108 (5D)		500		DG992		2600			
				6.53 DME		10. TERRAIN		404442.00N/0852309.00W		863 (900)				AS1500		2400			
FINAL: ILS		GP INTCP		RW05								ASC				1015/200			
FINAL: ILS CAT II		GP INTCP		RW05								ASC				915/100			
2. PROCEDURE TURN		HOONS OM		10 NM		5. TOWER (18-000775)		404441.00N/0852428.00W		1279 (5D)		1000		AT321		2600			
						6. TERRAIN		404106.00N/0852333.00W		890 (900)				AS1500		2400			
3. MISSED APPROACH	MAP:		DA / DA / 5.05 NM		OSBER/FWA 22.00								ASC				3000		
			AFTER HOONS		DME		12. TOWER (18-001340)		404615.00N/0845605.00W		1223 (3C)		1000				2300		
	ELEV:		847/1050				13. TERRAIN		405209.00N/0845236.00W		857 (900)				AS1500		2400		
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	485	14. ATCT (18-002642)		405819.62N/0851115.84W		1000 (1A)		300		1300			
CATEGORY B		1.5 NM			450		485	14. ATCT (18-002642)		405819.62N/0851115.84W		1000 (1A)		300		1300			
CATEGORY C		1.7 NM			450		605	17. TOWER (18-001956)		405504.00N/0851126.00W		1061 (5D)		300		AC50		1420	
CATEGORY D		2.3 NM			550		705	18. TOWER (18-001314)		405854.70N/0851640.70W		1169 (5D)		300		AC50		1520	
CATEGORY E		4.5 NM			550		705	18. TOWER (18-001314)		405854.70N/0851640.70W		1169 (5D)		300		AC50		1520	
5. MINIMUM SAFE ALTITUDES																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (18-000045)		009/06.9		1648 (4D)		2700										QUALITY 10	
CITY AND STATE				ELEVATION: 815				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION		CHECKED	
FORT WAYNE, IN				AIRPORT NAME:		FORT WAYNE INTL		I-HVD				ILS OR LOC RWY 5, AMDT 15B, 04/27/2017; ILS RWY 5 (CAT II)				AGL			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME. PRECIPITOUS TERRAIN EVALUATION COMPLETED. 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 CAT E: 4.71NM NO ADDITIONAL AIRSPACE REQUIRED. BACK UP ALTIMETER NOT PUBLISHED, REDUNDANT WEATHER SOURCES AVAILABLE KFWA ASOS IS ON WMSCR AND OPERATED 24 HOURS 70 FT VEGETATION USED PER FPT CHECKLIST PER ATCT THEY ARE 24 HR FACILITY OBST #3 TOWER (18-002477) 4D ACCURACY SAT FROM FLIGHT CHECK. OBST #11 CARRIED FORWARD FROM PREVIOUS REVISION. MISSED APPROACH OBSTACLES CONT. ALTERNATE: ASC 4000 15. TOWER (18-000045) 410539.00N/0851049.00W 1649 (4D) 1000 2700 16. TERRAIN 411609.00N/0852548.00W 985 (1000) AS1500 2500
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING				
ZAU ARTCC FWA APP CON FWA TOWER				N W S	OTHER: ASOS		SOURCE:KFWA			
				F A A			DISTANCE:			
				A / C			HOURS REMOTE OPERATION:			
SATISFACTORY ON:										
X	V H F	X	U H F		H F	LOCATION: KFWA			ADJUSTMENT: 0	
4. MONITOR STATUS	PRIMARY NAVAID: I-HVD									
	MONITOR POINT: ATCT									
	HRS	CAT 1	24							
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 05								
		(S) SALS								
	X	MALSR 32								
	X	HIRL 05, 14, 23, 32								
		MIRL								
	X	REIL 14, 23								
	X	TDZ 05								
	X	C/L 05, 23								
6. RUNWAY MARKINGS		OTHER (SPECIFY) PAPI-4L 14, 23, 32								
	BASIC BSC-G 09, 27									
	ALL WEATHER PIR-G 05, 14, 23, 32									
7. RUNWAY VISUAL RANGE	INSTRUMENT									
	APPROACH 05, 23, 32									
	MIDFIELD 05, 23									
8. GLIDE PATH	ROLL OUT 05, 23									
	GP ANGLE: 3.00				ELEV RWY THRESHOLD:814.5					
	DISTANCE FROM RWY: 1119				ELEV GP ANTENNA: 806.4					
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: 08/03/2016				
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5421				



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
V H F		U H F		H F	LOCATION:			ADJUSTMENT:			
4. MONITOR STATUS	PRIMARY NAVAID:										
	MONITOR POINT:										
	HRS	CAT 1									
	OPTN:	CAT 3									
5. APPROACH & RUNWAY LIGHTING	ALS										
	(S) SALS										
	MALS										
	HIRL										
	MIRL										
	REIL										
	TDZ										
	C/LINE										
6. RUNWAY MARKINGS	BASIC										
	ALL WEATHER										
	INSTRUMENT										
7. RUNWAY VISUAL RANGE	APPROACH										
	MIDFIELD										
	ROLL OUT										
8. GLIDE PATH	GP ANGLE:				ELEV RWY THRESHOLD:						
	DISTANCE FROM RWY:				ELEV GP ANTENNA:						
	THRESHOLD CROSSING HEIGHT:										
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	

