

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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.

<u>AIRPORT ID</u> FWA	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 23	<u>ORIGINAL/AMENDMENT</u> 15	<u>CITY</u> FORT WAYNE	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 815	<u>TDZE</u> 799	<u>SUPERSEDED</u> VOR OR TACAN RWY 23	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 6W
<u>FACILITY</u> FWA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 05/14/2026	<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOLNR INT/FWA 11.00 DME	IF/IAF	LUERS/4.98 DME					224.00 (FWA R-044)	6.02	2300

**MISSED APPROACH**

**MAP:**

3.91 NM AFTER LUERS/FWA 4.98 DME OR AT YILUC/FWA 1.07 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 3000 ON FWA VORTAC R-134 TO OSBER/FWA 22.00 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
2. HOLD NE ZOLNR INT/FWA 11.00 DME, LT, 224.00 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 224.00                      **FAF:** LUERS/4.98 DME                      **DIST FAF TO MAP:** 3.91                      **DIST FAF TO THLD:** 4.48
4. **MIN ALT:** ZOLNR INT/FWA 11.00 DME 3000, LUERS/4.98 DME 2300
8. **MSA FROM:** FWA VORTAC 2700

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT ZOLNR ON V11 SOUTHWEST BOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD SE, LT, 314.02 INBOUND.  
FAS OBST: 1017 AAO 410224N/0850800W.  
CHART VDP AT 1.83 DME.  
DISTANCE VDP TO THLD 1.33 NM.  
FAC CROSSES RWY C/L EXTENDED 3470 FT FROM THLD.  
LUERS TO RW23: 3.04/55.



**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/2

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
S-23	1300	5500	501	1300	5500	501	1300	1 3/8	501	1300	1 3/8	501	1300	1 3/8	501
CIRCLING	1300	1	485	1300	1	485	1360	1 1/2	545	1520	2 1/4	705	1520	2 1/2	705

**CHANGES - REASONS**

1. TERMINAL ROUTES: UPDATED "ZOLNR/FWA 11.00 DME TO LUERS INT/FWA 5.00 DME" TO "ZOLNR INT/FWA 11.00 DME TO LUERS/4.98 DME" - IAW 8260.19K 8-2-6 C(3).
2. MISSED APPROACH: MAP UPDATED FROM "4.50 NM AFTER LUERS INT/FWA 5.00 DME OR AT YILUC/FWA 0.50 DME FIX" TO "3.91 NM AFTER LUERS/FWA 4.98 DME OR AT YILUC/FWA 1.07 DM" - MAP/YILUC MOVE 0.57 NM NE.
3. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMBING LEFT TURN TO 3000 ON FWA VORTAC R-134 TO OSBER INT/FWA 22.00 DME AND HOLD" TO "CLIMBING LEFT TURN TO 3000 ON FWA VORTAC R-134 TO OSBER/FWA 22.00 DME AND HOLD" - MIE VOR/DME, VOR MON.
4. PROFILE LINE 3: UPDATED DIST FAF TO MAP / DIST FAF TO THLD FROM "4.50 / 4.50" TO "3.91 / 4.48" - MAP YILUC MOVED 0.57 NM NE, FAF LUERS MOVED 129 FT SW.
5. PROFILE LINE 4: UPDATED FROM "ZOLNR 3000, LUERS 2300, LINCY/FWA 2.50 DME 1400" TO "ZOLNR INT/FWA 11.00 DME 3000, LUERS/FWA 4.98 DME 230" - REMOVED FINAL SDF/LINCY.
6. EQUIPMENT REQUIREMENT NOTES: ADDED "DME REQUIRED" - IAW 8360.19K 8-6-9.
7. ADDITIONAL FLIGHT DATA: UPDATED FAS FROM "CHART FAS OBST: 991 TOWER 410116N/0850945W" TO "FAS OBST: 1017 AAO 410224N/0850800W" - NEW CONTROLLING OBSTACLE.
8. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
9. ADDITIONAL FLIGHT DATA: REMOVED "CHART ASR" - NO LONGER REQUIRED.
10. ADDITIONAL FLIGHT DATA: UPDATED FROM "FAC CROSSES RWY C/L EXTENDED 3467 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 3470 FT FROM THLD" - UPDATED CALCULATION.
11. MINIMUMS: REMOVED "LINCY FIX MINIMUMS" - SDF/LINCY REMOVED.
12. MINIMUMS: S-23 ALL CATS UPDATED MDA / HAT FROM "1400 / 601" TO "1300 / 501" AND CATS C/D/E VIS UPDATED FROM "1 3/4" TO "1 3/8" - NEW CONTROLLING OBSTACLE, 7:1 OBSTACLE ADDED, IAW 8260.3G TABLE 3-3-1.
13. MINIMUMS: CIRCLING ALL CATS UPDATED MDA / HA1 FROM "1400 / 585" TO "1300 / 485" AND CAT C VIS UPDATED FROM "1 3/4" TO "1 1/2" - NEW CONTROLLING OBSTACLE, 7:1 OBSTACLE ADDED, IAW 8260.3G TABLE 3-3-1.

03/05/26: THIS IS AN UPDATED COPY OF THE FORMS DEVELOPED ON 10/31/25.

1. REQUIRED EFFECTIVE DATE CHANGED TO 05/14/2026.
2. ADDITIONAL FLIGHT DATA NOTE CHANGED TO LUERS TO RW23: 3.04/55.
3. FLIGHT CHECKED BY CHANGED TO PENDING.

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** ZAU, FWA APP CON, FWA ATCT, AMGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**RAKE MCGRAW**

Mar 06, 2026

**OFFICE**

**DATE**

**DEVELOPED BY**

DANIEL WESTON

*Digitally signed by*

**RAKE MCGRAW**

Mar 06, 2026

**OFFICE**

AJV-A422

**DATE**

10/31/2025

**APPROVED BY**

RAKE MCGRAW

*Digitally signed by*

**RAKE MCGRAW**

Mar 06, 2026

**OFFICE**

AJV-A422

**DATE**

**TITLE  
MANAGER**



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> FWA	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 23	<u>AMDT NO.</u> 15	<u>CITY</u> FORT WAYNE	<u>STATE</u> IN	<u>AIRPORT ELEVATION</u> 815	<u>FACILITY</u> FWA
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INTERMEDIATE**

<u>FROM</u> ZOLNR INT/FWA 11.00 DME (IF/IAF)	<u>TO</u> LUERS/4.98 DME
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<u>RNP</u>	<u>DISTANCE</u> 6.02	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (18-000952)	410439.00N/0850819.00W	1214	100	20	3C	500				AT586	2300
TERRAIN	410236.00N/0850339.00W	869 (900)								AS1000	1900

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**

**FINAL**

<u>FROM</u> LUERS/FWA 4.98 DME	<u>TO</u> 3.91 NM AFTER LUERS/FWA 4.98 DME OR AT YILUC/FWA 1.07 DME
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<u>RNP</u>	<u>DISTANCE</u> 3.91	<u>PAT</u>	<u>MAP</u> 3.91 NM AFTER LUERS/FWA 4.98 DME OR AT YILUC/FWA 1.07 DME	<u>HAT</u> 501	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	410224.00N/0850800.00W	1017	215	8	4B	250				XP33	1300

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**

XP TO MAINTAIN PUBLISHED MINS





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IN

**AIRPORT ELEVATION**  
815

**FACILITY**  
FWA

**CIRCLING**     ALL CATS     CAT A     CAT B     CAT C     CAT D     CAT E     NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
ATCT (18-002642)	405819.62N/0851115.84W	1.30	485	1000	20	3	1A	300			1300
CATEGORY B											
ATCT (18-002642)	405819.62N/0851115.84W	1.83	485	1000	20	3	1A	300			1300
CATEGORY C											
TOWER (18-001956)	405505.03N/0851127.48W	2.88	545	1049	20	3	1A	300			1360
CATEGORY D											
TOWER (18-001314)	405854.70N/0851640.70W	3.77	705	1169	500	50	5D	300		AC50	1520
CATEGORY E											
TOWER (18-001314)	405854.70N/0851640.70W	4.71	705	1169	500	50	5D	300		AC50	1520

**CIRCLING REMARKS:**

CIRCLING MINIMUMS CAT C UPDATED TO MATCH PROCEDURES AT KFWA.

**MSA**

<b>CENTER</b>	<b>RADIUS</b>
FWA VORTAC	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (18-000045)	410539.00N/0851049.00W	009	6.9	1648	250	50	4D	1000			2700

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZAU ARTCC, FWA APP CON, FWA TOWER

<b>WX SERVICE</b>	<b>LOCATION</b>	<b>HRS OPERATION</b>	<b>ALTIMETER SOURCE</b>	<b>DISTANCE</b>	<b>WMSCR</b>	<b>ADJUSTMENTS</b>
ASOS	FWA	24	FWA		Y	0
<b>BACK-UP WX SERVICE</b>	<b>LOCATION</b>	<b>HRS OPERATION</b>	<b>ALTIMETER SOURCE</b>	<b>DISTANCE</b>	<b>WMSCR</b>	<b>ADJUSTMENTS</b>

**WX REMARKS:**

KFWA HAS REDUNDANT WEATHER SOURCES ON FIELD; NO BACKUP ALTIMETER SETTING REQUIRED.



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**FACILITY**  
FWA

**PRIMARY NAVAID**  
FWA VORTAC

**MONITOR POINT**  
MOCC

**HRS OPERATION**  
24

**CAT**  
1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09	BSC-G	
RW27	BSC-G	
RW14 - REIL, HIRL, PAPI-4L	NPI-G	ROLL OUT
RW23 - C/LINE, REIL, HIRL, PAPI-4L	NPI-G	APPROACH, MIDPOINT, ROLL OUT
RW05 - ALSF-2, HIRL, TDZ, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW32 - MALSR, HIRL, PAPI-4L	PIR-G	APPROACH

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE  
3.00

TCH  
76.2

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

3470 FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT TREES USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1024 AAO 410348.00N/0850806.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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FWA

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	2.81
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	2.33
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	218.00
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	800
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	4.48
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	2.50
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	218.00
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	800

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	405910.44N/0851056.67W
<b>ARP COORDINATES</b>	405842.50N/0851142.60W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 5 DISTANCE 1.24 NM
<b>FAF COORDINATES</b>	410240.09N/0850713.95W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

**PART E: PREPARED BY**

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DANIEL WESTON	AJV-A422	10/31/2025	AERONAUTICAL INFORMATION SPECIALIST

