

**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.

AIRPORT ID FWA	PROCEDURE NAME VOR OR TACAN RWY 14	ORIGINAL/AMENDMENT 18	CITY FORT WAYNE	STATE IN
AIRPORT ELEVATION 815	TDZE 802	SUPERSEDED VOR OR TACAN RWY 14	DATED 05/23/2019	MAG VAR 6W
FACILITY FWA	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE 05/14/2026	EPOCH YEAR 2020
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FWA VORTAC		KABDE/12.00 DME/RADAR					324.90	12.00	3000
KABDE/12.00 DME/RADAR	IF/IAF	WAINE/5.90 DME/RADAR					144.90 (FWA R-325)	6.10	2400

MISSED APPROACH

MAP:

4.29 NM AFTER WAINE/5.90 DME/RADAR OR AT NOYIS/1.61 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 ON FWA R-134 TO OSBER/22.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- HOLD NW KABDE/12.00 DME/RADAR, RT, 144.90 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 10000.
- FAC:** 144.90 **FAF:** WAINE/5.90 DME/RADAR **DIST FAF TO MAP:** 4.29 **DIST FAF TO THLD:** 4.78
- MIN ALT:** KABDE/12.00 DME/RADAR 3000, WAINE/5.90 DME/RADAR 2400
- MSA FROM:** FWA VORTAC 2700



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 353.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 314.02 INBOUND.
CHART FAS OBST: 963 TOWER (18-069122) 410245N/0851458W.
CHART 1050 TOWER (18-002415) 410228N/0851725W.
CHART VDP AT 2.45 DME.
DISTANCE VDP TO THLD 1.33 NM.
FAC CROSSES RWY C/L EXTENDED 2988 FT FROM THLD.
WAINE TO RW14: 3.05/53.

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-14	1280	1	478	1280	1	478	1280	1 3/8	478	1280	1 3/8	478	1280	1 3/8	478
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: KABDE TO WAINES MOVED "(FWA R-325)" FROM DISTANCE TO COURSE COLUMN - IAW 8260.9K 8-6-
2. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 3000 ON FWA R-134 TO OSBER INT/FWA 22.00 DME AND HOLD" TO "CLIMB TO 3000 ON FWA R-134 TO OSBER/22.00 DME AND HOLD" - MIE VOR/DME, VOR MON.
3. EQUIPMENT REQUIREMENT NOTES: UPDATED FROM "DME OR RADAR REQUIRED" TO "DME REQUIRED" - IAW 8360.19K 8-6-9.
4. NOTES: UPDATED FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 022" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 353" - UPDATED AIRWAY AT FWA VORTAC.
5. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
6. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "953 TOWER 410153N/0851516W." TO "963 TOWER (18-069122) 410245N/0851458W" - NEW CONTROLLING OBSTACLE.
7. ADDITIONAL FLIGHT DATA: UPDATED FROM "FAC CROSSES RWY C/L EXTENDED 3003 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 2988 FT FROM THLD" - UPDATED CALCULATION.
8. ADDITIONAL FLIGHT DATA: UPDATED VDP FROM "CHART VDP AT 2.46 DME AND DISTANCE VDP TO THLD 1.34 NM" TO "CHART VDP AT 2.45 DME, AND DISTANCE VDP TO THLD 1.33 NM" - UPDATED VDP LOCATION.
9. ADDITIONAL FLIGHT DATA: REMOVED "CHART: ASR" - NOT REQUIRED.
10. MINIMUMS: UPDATED S-14 VIS CATS D/E FROM "1 1/2 / 1 3/4" TO "1 3/8" - 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. FLIGHT CHECKED BY CHANGED TO PENDING



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZAU, FWA APP CON, FWA ATCT, ARPT MGR

FLIGHT CHECKED BY
PENDING

Digitally signed by **OFFICE** **DATE**
RAKE MCGRAW
Mar 06, 2026

DEVELOPED BY
DANIEL WESTON

Digitally signed by **OFFICE** **DATE**
RAKE MCGRAW AJV-A422 10/31/2025
Mar 06, 2026

APPROVED BY
RAKE MCGRAW

Digitally signed by **OFFICE** **DATE** **TITLE**
RAKE MCGRAW AJV-A422 **MANAGER**
Mar 06, 2026



**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 14	<u>AMDT NO.</u> 18	<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

FEEDER

<u>FROM</u> FWA VORTAC	<u>TO</u> KABDE/12.00 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 12.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-000724)	410625.00N/0852134.00W	1249	500	50	5D	1000				AT751	3000
TERRAIN	410115.00N/0851145.00W	964 (1000)								AS1500	2500

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:

INTERMEDIATE

<u>FROM</u> KABDE/12.00 DME/RADAR (IF/IAF)	<u>TO</u> WAINE/5.90 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 6.10	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-000724)	410625.00N/0852134.00W	1249	500	50	5D	500				AT651	2400
TERRAIN	410727.00N/0852042.00W	902 (900)								AS1500	2400

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:



AIRPORT ID
FWA

PROCEDURE NAME
VOR OR TACAN RWY 14

AMDT NO.
18

CITY
FORT WAYNE

STATE
IN

AIRPORT ELEVATION
815

FACILITY
FWA

FINAL

FROM
WAINE/5.90 DME/RADAR

TO
4.29 NM AFTER WAINE/5.90 DME/RADAR OR AT NOYIS/1.61 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	4.29		4.29 NM AFTER WAINE/5.90 DME/RADAR OR AT NOYIS/1.61 DME	478	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-069122)	410244.68N/0851458.09W	963	250	50	4D	250				AC50	1280

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
KABDE/12.00 DME/RADAR

TO
P-8

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-8			

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-002382)	411447.20N/0852750.50W	1267	50	20	2C	1000				AT733	3000
TERRAIN	411609.00N/0852624.00W	1017 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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MISSED APPROACH

FROM
4.29 NM AFTER WAINE/5.90 DME/RADAR OR AT NOYIS/1.61 DME

TO
OSBER/22.00 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1030

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (18-001340)	404615.00N/0845605.00W	1223	100	20	3C	1000					2300
TERRAIN	405612.00N/0850333.00W	915 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

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											
CTWR (18-002642)	405819.62N/0851115.84W	1.30	485	1000	20	3	1A	300			1300
CATEGORY B											
CTWR (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:



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MSA

CENTER FWA VORTAC **RADIUS** 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

FWA APP CON, FWA TOWER, ZAU ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	FWA	24	FWA		Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

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

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
FWA VORTAC	MOCC	24	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 - HIRL, C/LINE, REIL, PAPI-4L	NPI-G	APPROACH, MIDPOINT, ROLL OUT
RW05 - ALSF-2, C/LINE, HIRL, TDZ	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW32 - MALSR, HIRL, PAPI-4L	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	52.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	2988 FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES



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FACILITY
FWA

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 1050 TOWER (18-002415) 410227.78N/0851724.62W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

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

DISTANCE FROM	THLD	TO 1000FT POINT	3.11
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.42
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	138.90
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.78
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.59
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	138.90
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

405936.67N/0851213.19W

ARP COORDINATES

405842.50N/0851142.60W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 5 DISTANCE 1.24 NM

FAF COORDINATES

410311.44N/0851624.61W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

DANIEL WESTON

OFFICE

AJV-A422

DATE

10/31/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
FWA

PROCEDURE NAME
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