

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: FORT WAYNE VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 405844.63N/0851117.01W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	FORT WAYNE	FWA	VORTAC	H							45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	FWA	VORTAC	140.75	320.75	R	1		4000	6000	4	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000045)	410539.00N/0851049.00W	1648	4D
1	200	TOWER (18-000023)	410012.00N/0850559.00W	1159	4D

## HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 6W 2020.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT WAYNE			KARB	ANN ARBOR	MI (US)
DP	FORT WAYNE			KDET	DETROIT	MI (US)
DP	FORT WAYNE			KDTW	DETROIT	MI (US)
DP	FORT WAYNE			KYIP	DETROIT	MI (US)
DP	FORT WAYNE			KPTK	PONTIAC	MI (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J149					(US)
EN ROUTE	J178					(US)
EN ROUTE	J64					(US)
EN ROUTE	V11					(US)
EN ROUTE	V144					(US)
EN ROUTE	V221					(US)
EN ROUTE	V277					(US)
EN ROUTE	V340					(US)
EN ROUTE	V38					(US)
EN ROUTE	V55					(US)
EN ROUTE	V96					(US)
IAP	NDB RWY 5			KANQ	ANGOLA	IN (US)
IAP	ILS OR LOC RWY 27			KGWB	AUBURN	IN (US)
IAP	RNAV (GPS) RWY 27			KGWB	AUBURN	IN (US)
IAP	RNAV (GPS) RWY 9			KGWB	AUBURN	IN (US)
IAP	VOR-A			KGWB	AUBURN	IN (US)
IAP	ILS OR LOC RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 05 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	LOC BC RWY 14		1	KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 31			KSMD	FORT WAYNE	IN (US)
IAP	VOR RWY 13			KSMD	FORT WAYNE	IN (US)
IAP	NDB RWY 9			KHHG	HUNTINGTON	IN (US)
IAP	VOR-A			KHHG	HUNTINGTON	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	HI-ILS OR LOC RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7			KTOL	TOLEDO	OH (US)

QUALITY  
10  
CHECKED

STAR	GOSHEN	KIGQ	CHICAGO	IL (US)
STAR	GOSHEN	KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)	KMDW	CHICAGO	IL (US)
STAR	ESSPO (RNAV)	KORD	CHICAGO	IL (US)
STAR	KNOX	KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)	KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)	KORD	CHICAGO	IL (US)
STAR	GOSHEN	KGYY	GARY	IN (US)
STAR	GOSHEN	K05C	GRIFFITH	IN (US)
STAR	GOSHEN	K3HO	HOBART	IN (US)
STAR	CLANG	KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG	KIND	INDIANAPOLIS	IN (US)
STAR	CLANG	KMQJ	INDIANAPOLIS	IN (US)
STAR	DEBAR	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE	KCVG	COVINGTON	KY (US)
STAR	HEDEE	KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE	KK62	FALMOUTH	KY (US)
STAR	CRUXX	KARB	ANN ARBOR	MI (US)
STAR	MIZAR	KDTW	DETROIT	MI (US)
STAR	CRUXX	KYIP	DETROIT	MI (US)
STAR	CRUXX	KONZ	DETROIT/GROSSE ILE	MI (US)
STAR	CRUXX	KOZW	HOWELL	MI (US)
STAR	CRUXX	KTTF	MONROE	MI (US)
STAR	CRUXX	KY47	NEW HUDSON	MI (US)
STAR	CRUXX	K1D2	PLYMOUTH	MI (US)
STAR	CRUXX	KPTK	PONTIAC	MI (US)
STAR	CRUXX	K3TE	TECUMSEH	MI (US)
STAR	CRUXX	KVLL	TROY	MI (US)
STAR	HEDEE	KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE	KI69	BATAVIA	OH (US)
STAR	HEDEE	KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE	KLUK	CINCINNATI	OH (US)
STAR	GUNNE	KCMH	COLUMBUS	OH (US)
STAR	GUNNE	KLCK	COLUMBUS	OH (US)
STAR	GUNNE	KOSU	COLUMBUS	OH (US)
STAR	GUNNE	KTZR	COLUMBUS	OH (US)
STAR	HEDEE	KHAO	HAMILTON	OH (US)
STAR	SHELBYVILLE	KHAO	HAMILTON	OH (US)
STAR	GUNNE	KLHQ	LANCASTER	OH (US)
STAR	GUNNE	KVTA	NEWARK	OH (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 17

**DATE OF REVISION:** 04/27/2017

**REASON FOR REVISION:**

UPDATED PAT 1 RAD/CRS/BRG FROM 137.75 TO 140.75, CRS INBOUND FROM 317.75 TO 320.75, TEMPLATES MIN FROM 4 TO 8 AND REMOVED 200 KIAS OBSTRUCTION.

UPDATED FIX USE.

ADDED MAG VAR NOTE IN THE REMARKS SECTION.

12/19/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/24/16.

1. UPDATED PAT 1 TEMPLATES MIN FROM 8 TO 4, MAX 9 TO 5 AND CONTROLLING OBSTRUCTION DATA.

2. REMOVED 265K PATTERN EVALUATED FOR MILITARY USE FROM REMARKS.

3. UPDATED REMARKS FROM MAG VAR 0E 1965 TO ASSIGNED FACILITY MAG VAR: 6W 2020.

4. UPDATED FIX USE.

**DEVELOPED BY:**      **DATE:** 05/24/2016      **OFFICE:** AJV-5423      **NAME:** PABLO ORTIZ

**APPROVED BY:**      **DATE:**      **OFFICE:** AJV-5420      **NAME:** TONY LAWSON

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
**FPO:** CEN  
**ARTCC:** ZAU  
**ATC FACILITY:** FWA APP CON, FWA ATCT  
**OTHER:**

QUALITY  
10  
CHECKED

## RADIO FIX AND HOLDING DATA RECORD

NAME: WEBSTER LAKE VOR STATE: IN COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411448.87N/0852950.63W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

### FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	WEBSTER LAKE	OLK	VOR	L						17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

### PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	OLK	VOR	294.44	114.44	R	1	2700 6000	4 5
2	E	OLK	VOR	099.00	279.00	R	1	2800 6000	4 5
3	SE	OLK	VOR	121.41	301.41	R	1	2700 6000	4 5

### CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-002382)	411445.00N/0852747.00W	1270	5D
2	200	TOWER (18-002382)	411445.00N/0852747.00W	1270	5D
3	200	TOWER (18-002382)	411445.00N/0852747.00W	1270	5D

### HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

### REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ASSIGNED FACILITY MAG VAR: 3W 1990.

FPT REQUEST TO ADD IN97, IN96 I156, 08II AND 11I7 SPECIAL PROCEDURE (MAINTAINED BY HICKOK & ASSOCIATES, INC) TO FIX USE.

### FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HARIS (SPECIAL)			K11I7	FORT WAYNE	IN (US)
DP	MIDWA (SPECIAL)			KIN97	FORT WAYNE	IN (US)
DP	ELOKE (SPECIAL)			KII56	KOKOMO	IN (US)
DP	HAMTA (SPECIAL)			K08II	LAGRANGE	IN (US)
DP	TIRCU (SPECIAL)			KIN96	LOGANSPO	IN (US)
EN ROUTE	V422					(US)
IAP	RNAV (GPS) RWY 5			KANQ	ANGOLA	IN (US)
IAP	ILS OR LOC RWY 27		2	KGWB	AUBURN	IN (US)
IAP	VOR-A			KGWB	AUBURN	IN (US)
IAP	COPTER RNAV (GPS) 205 (SPECIAL)			K11I7	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 5 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	COPTER RNAV (GPS) 26 (SPECIAL)			KIN97	FORT WAYNE	IN (US)
IAP	VOR RWY 13		1	KSMD	FORT WAYNE	IN (US)
IAP	COPTER RNAV (GPS) 01 (SPECIAL)			KII56	KOKOMO	IN (US)
IAP	COPTER RNAV (GPS) 03 (SPECIAL)			K08II	LAGRANGE	IN (US)
IAP	COPTER RNAV (GPS) 20 (SPECIAL)			KIN96	LOGANSPO	IN (US)
IAP	ILS OR LOC/DME RWY 27		3	KASW	WARSAW	IN (US)
IAP	VOR RWY 9		2	KASW	WARSAW	IN (US)

REQUIRED CHARTING: SECTIONAL, IAP, CONTROLLER, EN ROUTE LOW, SPECIAL IAP, SPECIAL DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 04/27/2017

### REASON FOR REVISION:

UPDATED PAT 2 HOLDING ALTITUDES FROM 2700 TO 2800.

ADDED REMARKS ASSIGNED FACILITY MAG VAR: 3W 1990.

ADDED REMARKS FPT REQUEST TO ADD IN97, IN96 I156, 08II AND 11I7 SPECIAL PROCEDURE (MAINTAINED BY HICKOK & ASSOCIATES, INC) TO FIX USE.

UPDATED FIX USE.

ADDED SPECIAL IAP AND SPECIAL DP TO REQUIRED CHARTING.

DEVELOPED BY: DATE: 01/05/2017

OFFICE: AJV-5421

NAME: PABLO ORTIZ

QUALITY  
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CHECKED

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZAU

ATC FACILITY: FWA APP CON

OTHER:

QUALITY  
10  
CHECKED