

# RADIO FIX AND HOLDING DATA RECORD

NAME: CARLETON VOR/DME STATE: MI COUNTRY: US ICAO REGION CODE: K5  
 LATITUDE/LONGITUDE: 420252.90N/0832727.30W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	CARLETON	CRL	VOR/DME	H							45000

## FIX RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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	S	CRL	VOR/DME	180.00	360.00	R	1		3000	6000	4	5
2	W	CRL	VOR/DME	260.00	080.00	R	1		2400	6000	4	5
3	S	CRL	VOR/DME	196.00	016.00	R	1		3000	6000	4	5
4	S		WP	196.00	016.00	R		4	3000	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (26-002207)	420108.16N/0831422.74W	1079	5D
1	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
2	200	STACK (26-000291)	415940.00N/0833936.00W	1016	5D
3	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
3	310	STACK (26-000438)	415327.00N/0832043.00W	1386	5D
4	200	TOWER (26-000288)	415328.00N/0832540.00W	1014	4D

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	ILS OR LOC RWY 27L	KDTW	DETROIT	MI (US)
3	ILS RWY 27L (SA CAT I, II)	KDTW	DETROIT	MI (US)

## REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.  
 HOLDING PAT 3 CLIMB IN HOLD EVALUATED PAT 13.  
 ASSIGNED FACILITY MAG VAR: 3W 1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AMRST			KBKL	CLEVELAND	OH (US)
DP	AMRST			KCGF	CLEVELAND	OH (US)
DP	AMRST			KCLE	CLEVELAND	OH (US)
DP	AMRST			K1G1	ELYRIA	OH (US)
DP	AMRST			KLPR	LORAIN/ELYRIA	OH (US)
DP	AMRST			K1G5	MEDINA	OH (US)
DP	AMRST			K7G8	MIDDLEFIELD	OH (US)
DP	AMRST			K2G1	PAINESVILLE	OH (US)
DP	AMRST			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J190					(US)
EN ROUTE	J34					(US)
EN ROUTE	J554					(US)
EN ROUTE	J584					(US)
EN ROUTE	V10					(US)
EN ROUTE	V176					(US)
EN ROUTE	V188					(US)
EN ROUTE	V426					(US)
EN ROUTE	V493					(US)
EN ROUTE	V65					(US)
IAP	VOR RWY 6			KARB	ANN ARBOR	MI (US)
IAP	ILS OR LOC RWY 21L		1	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 22L		3	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 27L		3	KDTW	DETROIT	MI (US)
IAP	ILS RPM RWY 22L		3	KDTW	DETROIT	MI (US)
IAP	ILS RWY 21L (SA CAT I, II)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 22L (SA CAT I, II)		3	KDTW	DETROIT	MI (US)
IAP	ILS RWY 27L (SA CAT I, II)		3	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 22L		4	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 5R			KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 23R			KYIP	DETROIT	MI (US)
IAP	NDB RWY 4			KONZ	DETROIT/GROSSE ILE	MI (US)
IAP	VOR-A		2	KONZ	DETROIT/GROSSE ILE	MI (US)
IAP	VOR RWY 21		1	KTTF	MONROE	MI (US)
IAP	VOR-A			K3TE	TECUMSEH	MI (US)
IAP	HI-ILS OR LOC RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 25			KTOL	TOLEDO	OH (US)

IAP	HI-TACAN RWY 25	KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7	KTOL	TOLEDO	OH (US)
IAP	RNAV (GPS) RWY 25	KTOL	TOLEDO	OH (US)
STAR	CRUXX	KARB	ANN ARBOR	MI (US)
STAR	MIZAR	KDTW	DETROIT	MI (US)
STAR	WEEDA	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	K36MI	TECUMSEH	MI (US)
STAR	CRUXX	K3TE	TECUMSEH	MI (US)
STAR	CRUXX	KVLL	TROY	MI (US)
STAR	FAILS	KBKL	CLEVELAND	OH (US)
STAR	FAILS	KCGF	CLEVELAND	OH (US)
STAR	HIMEZ	KCLE	CLEVELAND	OH (US)
STAR	HIMEZ	K1G1	ELYRIA	OH (US)
STAR	HIMEZ	KLPR	LORAIN/ELYRIA	OH (US)
STAR	HIMEZ	K1G5	MEDINA	OH (US)
STAR	FAILS	K7G8	MIDDLEFIELD	OH (US)
STAR	FAILS	K2G1	PAINESVILLE	OH (US)
STAR	FAILS	KLNN	WILLOUGHBY	OH (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 18

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

**REASON FOR REVISION:**

CHANGE FIX NAME FROM CARLETON VORTAC TO CARLETON VOR/DME.

UPDATED FIX USE; DELETED DP SANDUSKY FOR KBKL, KCGF, KCLE, KLPR, KLNN, K1G1, K1G5, K2G1 AND K7G8.

**DEVELOPED BY:**                      **DATE:** 11/22/2016                      **OFFICE:** AJV-5410                      **NAME:** MARY LYNNE HOEGSTROM

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-5410                      **NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
                              **FPO: CEN**  
                              **ARTCC: ZOB**  
                              **ATC FACILITY: DTW**  
                              **OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**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)

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:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: MYANN STATE: OH COUNTRY: US ICAO REGION CODE: K5  
 LATITUDE/LONGITUDE: 411127.33N/0833923.47W TYPE: DME

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	TOLEDO	TOL	TACAN	T	170.00	165.00	25.00			18000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TOL	TACAN	R-170	35	15000	18000

## FIX RESTRICTIONS:

MILITARY ONLY

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	S	TOL	TACAN	170.00	350.00	L		10 15000 18000	13 17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (39-001446)	405500.00N/0833545.00W	1310	5D
1	265	TOWER (39-000616)	410812.00N/0835424.40W	1817	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AT REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 25		1	KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 7		1	KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25		1	KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7		1	KTOL	TOLEDO	OH (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/27/2017

## REASON FOR REVISION:

1. ADDED ESV DATA FOR TOLEDO (TOL) TACAN.
2. MOVED "HOLDING LIMITED TO.." NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
3. ADDED "PRECIPITOUS TERRAIN EVAL..." NOTE TO REMARKS.
4. MOVED "MILITARY ONLY" NOTE FROM REMARKS TO FIX RESTRICTIONS.
5. UPDATED FIX USE.

DEVELOPED BY: DATE: 12/13/2016 OFFICE: AJV-5431 NAME: SEAN BARBEE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

## DISTRIBUTION:

NFDC  
 FPO: CEN  
 ARTCC: ZOB  
 ATC FACILITY:  
 OTHER: TOL ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: POUDR STATE: OH COUNTRY: US ICAO REGION CODE: K5  
 LATITUDE/LONGITUDE: 412107.39N/0834248.38W TYPE: DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	TOLEDO	TOL	TACAN	T	170.00	165.00	15.00	15.00		3000	15000

FIX RESTRICTIONS:  
 MILITARY ONLY

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	S	TOL	TACAN	170.00	350.00	L	8	3000 15000	11 16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (39-020159)	410410.00N/0833738.00W	1234	2B
1	265	TOWER (39-020159)	410410.00N/0833738.00W	1234	2B

REASON FOR NONSTANDARD HOLDING:  
 PAT 1 AIRSPACE COORDINATION.

HOLDING RESTRICTIONS:  
 HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-ILS OR LOC RWY 25		1	KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 7		1	KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25		1	KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7		1	KTOL	TOLEDO	OH (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 04/27/2017

## REASON FOR REVISION:

- ADDED NM DIST TO FAC FOR FAC 1 IN FIX MAKE-UP FACILITIES.
- CHANGED PAT 1 MIN HOLDING TEMPLATE FROM 7 TO 11 IAW 7130.3A, TABLE 8.
- CHANGED PAT 1 230K CONTROLLING OBSTACLE FROM 1068 MSL WINDMILL (39-004119) TO 1234 MSL TOWER (39-020159).
- CHANGED PAT 1 265K CONTROLLING OBSTACLE FROM 1105 MSL TOWER (39-002025) TO 1234 MSL TOWER (39-020159).
- MOVED "HOLDING LIMITED TO..." NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
- MOVED "MILITARY ONLY" NOTE FROM REMARKS TO FIX RESTRICTIONS.
- UPDATED FIX USE.

DEVELOPED BY: DATE: 12/15/2016 OFFICE: AJV-5431 NAME: SEAN BARBEE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: CEN  
 ARTCC: ZOB  
 ATC FACILITY: TOL ATCT  
 OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ROSEWOOD VORTAC      **STATE:** OH      **COUNTRY:** US      **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 401716.08N/0840235.15W      **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	ROSEWOOD	ROD	VORTAC	H							45000

**HOLDING:**      **HOLDING TYPE OF ACTION:** NO CHANGE

**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	ROD	VORTAC	310.00	130.00	R	1		2800	6000	4	5
2	NE	ROD	VORTAC	063.00	243.00	R	1		2800	6000	4	5
3	NE	ROD	VORTAC	064.96	244.96	R	1		3000	6000	4	5
4	W	ROD	VORTAC	248.49	068.49	R	1		3000	6000	4	5
5	SW	WP	WP	244.00	064.00	R		4	3000	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (39-002629)	400822.15N/0835750.07W	1630	2C
1	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
2	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
3	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
4	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D
5	200	TOWER (39-000804)	401821.00N/0840654.00W	1529	5D

**HOLDING RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
ASSIGNED FACILITY MAGVAR: 5 DEGREES WEST (1995).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPD	CAHOKIA/ST LOUIS	IL (US)
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	ROSEWOOD			KARB	ANN ARBOR	MI (US)
DP	ROSEWOOD			KDET	DETROIT	MI (US)
DP	ROSEWOOD			KDTW	DETROIT	MI (US)
DP	ROSEWOOD			KYIP	DETROIT	MI (US)
DP	ROSEWOOD			KPTK	PONTIAC	MI (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	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	J152					(US)
EN ROUTE	J39					(US)
EN ROUTE	J43					(US)
EN ROUTE	Q65					(US)
EN ROUTE	V210					(US)
EN ROUTE	V277					(US)
EN ROUTE	V383					(US)
EN ROUTE	V416					(US)
EN ROUTE	V435					(US)
EN ROUTE	V47					(US)

**COMPULSORY REPORTING POINT: NO**

**REASON FOR REVISION:**  
1. ADDED "ASSIGNED FACILITY MAGVAR: 5 DEGREES WEST (1995)" REMARK.

**APPROVED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_ **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

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**OTHER:**