

# RADIO FIX AND HOLDING DATA RECORD

NAME: GAREN

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411727.73N/0850404.03W

TYPE: WP

AIRSPACE DOCKET: 24-AGL-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
IAP  
IAP

USE TITLE  
RNAV (GPS) RWY 13  
RNAV (GPS) RWY 28

FAC

PAT

AIRPORT IDENT  
KSMD  
C62

CITY  
FORT WAYNE  
KENDALLVILLE

STATE  
IN (US)  
IN (US)

REQUIRED CHARTING: SECTIONAL, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 06/12/2025

**REASON FOR REVISION:**

1. ADDED AIRSPACE DOCKET 24-AGL-10.
2. DELETED "INT, DME" IN FIX TYPE.
3. DELETED GSH AND FWA IN FIX MAKE-UP FACILITIES -- NO GROUND BASED USE.
4. DELETED GSH ESV.
5. DELETED "MRA V221 4500" IN FIX RESTRICTIONS.
6. DELETED REMARK "GOSHEN (FAC 1) AND FORT WAYNE (FAC 2) USED TO ESTABLISH FIX COORDINATES".
7. DELETED EN ROUTE V8 AND V221 IN FIX USE.
8. DELETED "EN ROUTE LOW, CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GRABI

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411502.38N/0845422.07W

TYPE: WP, DME

AIRSPACE DOCKET: 24-AGL-10

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	FORT WAYNE	FWA	VORTAC	VH	044.04	038.04	20.71	20.71	3000	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E		WP	072.21	252.21	R	4	3000	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-003505)	411915.50N/0844311.80W	1252	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V11	1				(US)
IAP	RNAV (GPS) RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 23		1	KSMD	FORT WAYNE	IN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AGL-10.
2. DELETED "INT" IN FIX TYPE.
3. DELETED GSH IN FIX MAKE-UP FACILITIES AND ASSOCIATED ESV.
4. FWA CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
5. DELETED "MRA V11 4500" IN FIX RESTRICTIONS.
6. DELETED REMARK "GOSHEN (FAC 1) AND FORT WAYNE (FAC 2) USED TO ESTABLISH FIX COORDINATES".
7. CHANGED PAT 1 RAD/CRS/BRG AND CRS INBOUND FROM "072.25/252.25" TO "072.21/252.21".
8. DELETED "(S)" FROM HOLDING PATTERN RESTRICTION.
9. DELETED FAC 2 FROM EN ROUTE V11 IN FIX USE.
10. DELETED EN ROUTE V8 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HALIE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413057.85N/0870931.95W

TYPE: WP, DME

AIRSPACE DOCKET: 24-AGL-10

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	CHICAGO HEIGHTS	CGT	VORTAC	L	086.74	088.74	18.60	18.60		2600	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	SE		WP	124.27	304.27	R	5 2400	10000	5 10
2	SE		WP	117.00	297.00	L	8 7000	31000	11 24
3	E		WP	093.18	273.18	L	8 2400	6000	11 11
4	SE		WP	117.00	297.00	L	10 7000	31000	15 24

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
2	230	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
3	200	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
4	230	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C

## REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

PAT 3 ATC REQUEST

PAT 4 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

HOLDING PATTERN 2 & 3 USED TEMPLATE 11 FOR 8 DME LEG LENGTH AT ATC REQUEST.

HOLDING PATTERN 4 USED TEMPLATE 15 FOR 10 DME LEG LENGTH AT ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27			KIGQ	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 20		1	KGYV	GARY/CHICAGO	IN (US)
IAP	RNAV (GPS) RWY 18			KOXI	KNOX	IN (US)
STAR	FISSK (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)		3	KMDW	CHICAGO	IL (US)
STAR	ESSPO (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)		4	KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)		2	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AGL-10.

2. DELETED HOLDING PAT 2 -- USED FOR ROYKO STAR CANCELED IN REVISION 8.

3. DELETED HOLDING PAT 4 -- USED FOR GOSHEN STAR CANCELED IN REVISION 13.

4. RENUMBERED HOLDING PATTERN REMARKS.

5. DELETED EN ROUTE V8 IN FIX USE.

6. RENUMBERED HOLDING PATTERNS IN FIX USE: PANGG (RNAV) FROM "5" TO "3", ESSPO (RNAV) AND WATSN (RNAV) FROM "3" TO "2", VEECK (RNAV) FROM "6" TO "4".

7. CHANGED PAT 3 MAX TEMPLATE FROM "12" TO "11".

8. ADDED HOLDING RESTRICTION "HOLDING LIMITED TO ESTABLISHED PATTERNS".

4/28/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 2/14/25.

1. DELETED EN ROUTE V92 IN FIX USE.

2. DELETED "EN ROUTE LOW, CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

QUALITY  
13  
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**APPROVED BY:**                      **DATE:** 05/08/2025                      **OFFICE:** AJV-A423                      **NAME:** ALLAN WILL

**SIGNATURE:**                      *Digitally signed by*  
   **ALLAN WILL**  
   Apr 29, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: INKEN

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413113.55N/0864620.78W

TYPE: WP, DME

AIRSPACE DOCKET: 22-AGL-22

FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	GOSHEN	GSH	VORTAC	H	269.76	269.76	33.55	33.55		2600	17500

## HOLDING:

## HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V8	1				(US)
EN ROUTE	V92	1				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/15/2023

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 22-AGL-22.

FIX TYPE: DELETED INT, ADDED WP.

FIX MAKE-UP FACILITIES: DELETED FAC 2 (OXI); CHANGED FAC 1 (GSH) MAG BEARING FROM 270.00 TO 269.76, TRUE BRG FROM 270.00 TO 269.76, DME FROM 34.00 TO 33.55, MRA FROM 1500 TO 2600; ADDED DIST FROM FAC 33.55 NM.

HOLDING: CANCELLED.

FIX USE: ADDED V8, V92.

REQUIRED CHARTING: CHANGED FROM CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GREGORY LINDSEY

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: NOMES

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413121.81N/0863004.56W

TYPE: WP

AIRSPACE DOCKET: 24-AGL-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KEKM	ELKHART	IN (US)
IAP	RNAV (GPS) RWY 18			KOXI	KNOX	IN (US)
IAP	RNAV (GPS) RWY 20			KPPO	LA PORTE	IN (US)
IAP	RNAV (GPS) RWY 36			KSBN	SOUTH BEND	IN (US)
IAP	RNAV (GPS) RWY 9R			KSBN	SOUTH BEND	IN (US)
IAP	RNAV (GPS) RWY 27			KVPZ	VALPARAISO	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "22-AGL-22" TO "24-AGL-10".
2. DELETED "DME" IN FIX TYPE.
3. DELETED GSH IN FIX MAKE-UP FACILITIES -- GSH VOR MON.
4. DELETED ENROUTE V8 AND V92 IN FIX USE.
5. DELETED "IAP" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RABBT

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412412.41N/0853125.66W

TYPE: WP, DME

AIRSPACE DOCKET: 24-AGL-10

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	FORT WAYNE	FWA	VORTAC	VH	335.25	329.25	29.65	29.65		2800	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V277	1				(US)
IAP	RNAV (GPS) RWY 27			KGSH	GOSHEN	IN (US)
IAP	RNAV (GPS) RWY 10			C62	KENDALLVILLE	IN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AGL-10.
2. DELETED "INT" IN FIX TYPE.
3. FWA CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
4. DELETED GSH IN FIX MAKE-UP FACILITIES.
5. DELETED REMARK "FORT WAYNE (FAC 1) AND GOSHEN (FAC 2) USED TO ESTABLISH FIX COORDINATES".
6. DELETED FAC 2 FROM EN ROUTE V277 IN FIX USE.
7. DELETED EN ROUTE V8 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: TWERP

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 410907.38N/0843057.42W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-AGL-10

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	MAA
1	FLAG CITY	FBC	VORTAC	L	291.13	289.13	36.46	36.46	2600	17500
2	FORT WAYNE	FWA	VORTAC	VH	077.00	071.00	32.22	32.22	5000	17500
3	WEBSTER LAKE	OLK	VOR	L	099.97	096.97		44.81	2700	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OLK	VOR	R-100	45	2700	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

FLAG CITY (FAC 1) AND FORT WAYNE (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
ATC REQUEST SECTIONAL CHARTING.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V422	1, 3				(US)
IAP	RNAV (GPS) RWY 31			KSMD	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 9			KOWX	OTTAWA	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "21-AGL-1" TO "24-AGL-10".
2. FWA CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
3. DELETED "MRA V8 5000" IN FIX RESTRICTIONS.
4. DELETED EN ROUTE V8 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Feb 14, 2025

QUALITY  
13  
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