

RADIO FIX AND HOLDING DATA RECORD

NAME: ADVAY **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 395522.73N/0863126.04W **TYPE:** WP, INT, 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	FAC FEET	MRA	MAA
1	BRICKYARD	VHP	VORTAC	H	310.98	311.98	9.71	9.71		2700	17500
2	TERRE HAUTE	TTH	VORTAC	H	049.99	051.99		42.48		2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TTH	VORTAC	R-050	43	2700	15200

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	VHP	VORTAC	310.98	130.98	R	1		2700	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001884)	395500.00N/0863601.44W	1320	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PATTERN 1 USED BUT NOT CHARTED PER INDY ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V24-128-399	1, 2				IN (US)
IAP	RNAV (GPS) RWY 22			KCFJ	CRAWFORDSVILLE	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 11/10/2016

REASON FOR REVISION:

UPDATED TTH ESV MAX ALTITUDE FROM 17500 TO 15200.
 ADDED BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
 UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/22/2016 **OFFICE:** AJV-5423 **NAME:** PABLO ORTIZ

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

SIGNATURE:

DISTRIBUTION:

NFDC
 FPO: CEN
 ARTCC: ZID
 ATC FACILITY: ZAU, IND APP CON
 OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALLOE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395443.65N/0871042.39W

TYPE: WP, INT, 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	BRICKYARD	VHP	VORTAC	H	278.12	279.12	37.92	37.92		2700	17500
2	TERRE HAUTE	TTH	VORTAC	H	005.32	007.32	25.58	25.58		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-434	1, 2				(US)
EN ROUTE	V-7	1, 2				(US)
IAP	RNAV (GPS) RWY 22			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 18			K4I7	GREENCASTLE	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

ADDED BRICKYARD (FAC 1) AND TERRE HAUTE (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
REMOVED ALL REFERENCES OF HOLDING.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CONUM STATE: IN COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400643.83N/0864515.70W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	047.02	227.02	R	4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001661)	401358.11N/0863921.65W	1203	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
IAP	RNAV (GPS) RWY 22		1	KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		1	KCFJ	CRAWFORDSVILLE	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

1. UPDATE FIX LAT/LONG. FIX MOVED 41.75 FEET NORTH.
2. UPDATED PAT 1 RAD/CRS/BRG FROM 045.05 TO 047.02 AND CRS INBOUND FROM 225.05 TO 227.05.
3. UPDATED FIX USE.

DEVELOPED BY: DATE: 07/07/2016 OFFICE: AJV-5423 NAME: PABLO ORTIZ

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

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIPUS

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400218.96N/0865037.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 22

FAC

PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATED FIX LAT/LONG. FIX MOVED 94.50 FEET SOUTHWEST.

DEVELOPED BY:

DATE: 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUSGI

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395955.29N/0865331.11W

TYPE:WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 22

FAC

PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/10/2016

DEVELOPED BY:

DATE: 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OCKEL

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401642.93N/0864312.22W

TYPE: WP, INT, DME

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	FAC FEET	MRA	MAA
1	BOILER	BVT	VORTAC	H	135.00	136.00	23.09	23.09		2500	17500
2	KOKOMO	OKK	VORTAC	H	244.00	244.00		33.83		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BOILER (FAC 1) AND KOKOMO (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V51-97	1, 2				(US)
IAP	RNAV (GPS) RWY 22			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 1			KI76	PERU	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

ADDED WP TO FIX TYPE.

UPDATED FAC 2 DIST FROM FAC NM FROM 33.82 TO 33.83.

ADDED BOILER (FAC 1) AND KOKOMO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY:

DATE: 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZAU

ATC FACILITY: ZID, IND APP CON

OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POTES

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401924.03N/0870632.44W

TYPE: WP, INT, DME

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	MRA	MAA
1	BRICKYARD	VHP	VORTAC	H	311.00	312.00	45.79	45.79	4000	17500
2	BOILER	BVT	VORTAC	H	186.43	187.43	14.08	14.08	2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VHP	VORTAC	R-311	46	4000	15400

FIX RESTRICTIONS:

MRA ALL 4000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BRICKYARD (FAC 1) AND BOILER (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V24-128	1, 2				(US)
EN ROUTE	V7	1, 2				(US)
IAP	RNAV (GPS) RWY 22		KCFJ		CRAWFORDSVILLE	IN (US)
IAP	ILS RWY 10	1, 2	KLAF		LAFAYETTE	IN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATED FAC 1 MAG BRG FROM 310.99 TO 311.00 AND TRUE BRG FROM 311.99 TO 312.00.
UPDATED FAC 2 MAG BRG FROM 186.44 TO 186.43, TRUE BRG FROM 187.44 TO 187.43, DME FROM 14.07 TO 14.08, DIST FROM FAC NM FROM 14.07 TO 14.08 AND MRA FROM 2400 TO 2500.
UPDATED ESV MAX ALTITUDE FROM 17500 TO 15400.
ADDED BRICKYARD (FAC 1) AND BOILER (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: ZID, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SOWWI

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400225.59N/0863915.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 22

FAC PAT

AIRPORT IDENT CITY
KCFJ CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATE FIX LAT/LONG. FIX MOVED 1.30 NM SOUTHEAST.
ADDED REMARK FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

DEVELOPED BY: **DATE:** 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WINAM

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401101.76N/0865116.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 22

FAC PAT

AIRPORT IDENT
KCFJ

CITY
CRAWFORDSVILLE

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATE FIX LAT/LONG. FIX MOVED 1.30 NM NORTHWEST.
ADDED REMARK FIX NAME RETAINED BY ATC FOR OPERATIONAL NEED.

DEVELOPED BY: DATE: 07/22/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: ZID, IND APP CON
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YONUG

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395008.52N/0870518.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	226.81	046.81	L	4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-002346)	394505.21N/0870744.79W	1054	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 22		1	KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		1	KCFJ	CRAWFORDSVILLE	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

1. UPDATE FIX LAT/LONG. FIX MOVED 452.91 FEET SOUTHWEST.
2. UPDATED PAT 1 RAD/CRS/BRG FROM 224.83 TO 226.81, CRS INBOUND FROM 044.83 TO 046.81 AND CONTROLLING OBSTRUCTION ELEVATION FROM 1080 TO 1054.
3. RAISED MIN HOLD ALT FROM 2500 TO 2700.

DEVELOPED BY:

DATE: 07/07/2016

OFFICE: AJV-5423

NAME: PABLO ORTIZ

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: ZAU, IND APP CON
OTHER:

QUALITY
10
CHECKED