

RADIO FIX AND HOLDING DATA RECORD

NAME: CLANG

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400103.81N/0855413.18W

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	FEET	MRA	MAA
1	MUNCIE	MIE	VOR/DME	L	243.86	240.86	26.90	26.90		2900	17500
2	SHELBYVILLE	SHB	VOR/DME	VL	350.00	351.00		23.38		2900	17500
3	BRICKYARD	VHP	VORTAC	VH	059.24	060.24	24.63	24.63		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE	MIE	VOR/DME	243.86	243.86	L	1		2900	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000029)	400343.00N/0854234.00W	1400	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

MUNCIE (FAC 1) AND SHELBYVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V14	2, 3	1			(US)
EN ROUTE	V192	2, 3	1			(US)
EN ROUTE	V210	2, 3	1			(US)
IAP	ILS OR LOC RWY 23L	3		KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23R	3		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23L (SA CAT II)	3		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23R (SA CAT I)	3		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 23R (SA CAT II)	3		KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) Y RWY 23R			KIND	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 36			KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 23			5I4	SHERIDAN	IN (US)
STAR	CLANG	1, 2	1	KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG	1, 2	1	KIND	INDIANAPOLIS	IN (US)
STAR	CLANG	1, 2	1	KMQJ	INDIANAPOLIS	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITY 2 CLASS FROM "L" TO "VL".
2. UPDATED FIX MAKE-UP FACILITY 3 CLASS FROM "H" TO "VH".
3. UPDATED FIX USE, ADDED ILS RWY 23L (SA CAT II) AT KIND.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 09/05/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CRAKE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394932.57N/0862401.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 36

FAC

PAT

AIRPORT IDENT
KTYQ

CITY
INDIANAPOLIS

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/05/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PIPTE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395543.08N/0861500.73W

TYPE: WP, INT

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	INDIANAPOLIS	I-TYQ	LOC		182.47	179.47		6.74	40976	2700	5400
2	BRICKYARD	VHP	VORTAC	VH	037.39	038.39		8.72		2700	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36	1, 2		KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 36			KTYQ	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

1. LATITUDE/LONGITUDE CHANGED FROM "395602.93N/0861500.97W" TO "395543.08N/0861500.73W" - FIX MOVED 0.33 NM SOUTH.
2. FIX MAKE-UP FACILITIES: FAC1 CHANGED FROM "6.41 NM/38967 FEET FROM FAC" TO "6.74 NM/40967 FEET".
3. FIX MAKE-UP FACILITIES: FAC 2 CHANGED BRG FROM "271.74/268.74" TO "037.39/039.39" AND DIST FROM FAC CHANGED FROM "9.23 NM" TO "8.72 NM".
4. FIX MAKE-UP FACILITIES: REMOVED FAC 3.
5. HOLDING: REMOVED ALL ASSOCIATED HOLDING PATTERN INFORMATION.
6. REMARKS: REMOVED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" AND "FAC 2 DOES NOT MEET 45 DEGREE DIVERGENCE FOR HOLDING, FAC 1 AND 3 USED FOR PAT 1".
7. REMARKS: CHANGED FROM "INDIANAPOLIS (FAC 1) AND BRICKYARD (FAC 2) AND METROPOLITAN (FAC 3) USED TO ESTABLISH FIX COORDINATES" TO "INDIANAPOLIS (FAC 1) AND BRICKYARD (FAC 2) USED TO ESTABLISH FIX COORDINATES"
8. FIX USE: CHANGED IAP ILS OR LOC RWY 36 FAC FROM "1, 2, 3" TO "1, 2" AND REMOVED PAT 1

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TICOC

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394940.33N/0860551.20W

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 36

FAC

PAT

AIRPORT IDENT
KTYQ

CITY
INDIANAPOLIS

STATE
IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: CHANGED FROM 394956.87N/0860827.16W TO 394940.33N/0860551.20W - FIX MOVED 2.02 NM EAST AND ATC REQUESTED TO RETAIN NAME.
2. FIX MAKE-UP FACILITIES: REMOVED FIX YABUD.
3. FIX USE: UPDATED FORMAT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 394936.81N/0861456.34W **TYPE:** WP, INT

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	INDIANAPOLIS	I-TYQ	LOC		182.47	179.47		12.84		3000	5400
2	BRICKYARD	VHP	VORTAC	VH	081.38	082.38		5.53		3000	5400

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		WP	182.47	002.47	R		4	3000	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001444)	395325.00N/0861220.00W	1866	5D
1	310	TOWER (18-001444)	395325.00N/0861220.00W	1866	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
INDIANAPOLIS (FAC 1) AND BRICKYARD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36	1, 2		KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 18		1	KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 36		1	KTYQ	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 10/05/2023

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: CHANGED FROM 394954.27N/0861456.57W TO 394936.8100N/0861456.3400W - FIX MOVED 0.29 NM SOUTH
2. FIX MAKE-UP FACILITIES: FAC 1 DIST FROM FAC CHANGED FROM 12.55 NM TO 12.84 NM
3. FIX MAKE-UP FACILITIES: FAC 2 MAG BRG/TRUE BRG CHANGED FROM 078.41/079.41 TO 081.38/082.38 AND DIST FROM FAC CHANGED FROM 4.57 NM TO 5.53 NM
4. PATTERNS: PAT 1 CHANGED MAX TEMPLATE FROM 6 TO 13
5. CONTROLLING OBSTRUCTIONS: ADDED 310 KIAS DATA
6. REMARKS: ADDED INDIANAPOLIS (FAC 1) AND BRICKYARD (FAC 2) USED TO ESTABLISH FIX COORDINATES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: APRIL SARMENTO
APPROVED BY:	DATE: 10/05/2023	OFFICE: AJV-A432	NAME: CASIMIR TABAKA
SIGNATURE:			