

RADIO FIX AND HOLDING DATA RECORD

NAME: BOILER VORTAC **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 403322.22N/0870409.75W **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	FAC FEET	MRA	MAA
1	BOILER	BVT	VORTAC	H							45000

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	BVT	VORTAC	323.00	143.00	R	1	2300 14000	4 10
2	SE	BVT	VORTAC	135.00	315.00	R	1	14000 45000	10 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (18-020221)	403602.71N/0871429.33W	1217	5D
2	265	TOWER (18-001280)	403248.00N/0865059.00W	1169	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PATTERN 2 ATC REQUESTED.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 1E 1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
EN ROUTE	J89					(US)
EN ROUTE	V227					(US)
EN ROUTE	V251					(US)
EN ROUTE	V371					(US)
EN ROUTE	V399					(US)
EN ROUTE	V51					(US)
EN ROUTE	V7					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 21			KDNV	DANVILLE	IL (US)
IAP	RNAV (GPS) RWY 9			KFKR	FRANKFORT	IN (US)
IAP	ILS OR LOC RWY 10		1	KLAF	LAFAYETTE	IN (US)
IAP	VOR-A		1	KLAF	LAFAYETTE	IN (US)
IAP	RNAV (GPS) RWY 9			KGGP	LOGANSPOUT	IN (US)
IAP	RNAV (GPS) RWY 36			KRZL	RENSSELAER	IN (US)
STAR	CEGRM (RNAV)			KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE			KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE			KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE			KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE			KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE			KHAO	HAMILTON	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KIND PRNLE (RNAV) DP, K50I VOR OR GPS-A AND K50I VOR/DME RNAV OR GPS RWY 27. CHANGED KLAF ILS RWY 10 TO ILS OR LOC RWY 10.
 CHANGED REMARK: BOILER VORTAC MAGVAR E1/1965, W4/2020 TO ASSIGNED FACILITY MAG VAR: 1E 1965.
 CHANGED PATTERNS: PAT 2 LEG LENGTH TIME FROM 1-1 1/2 TO 1.
 CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

QUALITY
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QUALITY
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RADIO FIX AND HOLDING DATA RECORD

NAME: CHAMPAIGN VORTAC **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 400204.30N/0881633.82W **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	MAA
1	CHAMPAIGN	CMI	VORTAC	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	SW	CMI	VORTAC	233.59	053.59	R	1		2500	17500	4	16
2	N	CMI	VORTAC	005.93	185.93	R	1		2600	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	TOWER (17-000470)	400411.00N/0875445.00W	1999	4D
1	200	TOWER (17-000043)	400504.00N/0881453.00W	1146	2D
2	200	TOWER (17-000530)	401052.00N/0881903.00W	1326	4D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:

HOLDING PATTERNS USED FOR NON RADAR OPERATIONS.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 3E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
EN ROUTE	V192					(US)
EN ROUTE	V434					(US)
EN ROUTE	V251					IL (US)
EN ROUTE	V429					IL (US)
IAP	ILS OR LOC RWY 29	1		KBMI	BLOOMINGTON/NORMAL	IL (US)
IAP	ILS OR LOC/DME RWY 2	1		KBMI	BLOOMINGTON/NORMAL	IL (US)
IAP	ILS OR LOC RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	NDB RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RADAR-1	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RNAV (GPS) RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RNAV (GPS) RWY 4	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR RWY 4	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR/DME RWY 14L	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR/DME RWY 22	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	ILS OR LOC RWY 6	1		KDEC	DECATUR	IL (US)
IAP	LOC BC RWY 24	1		KDEC	DECATUR	IL (US)
IAP	RNAV (GPS) RWY 30	1		KDEC	DECATUR	IL (US)
IAP	VOR RWY 18	1		KDEC	DECATUR	IL (US)
IAP	VOR RWY 36	1		KDEC	DECATUR	IL (US)
IAP	VOR OR GPS-A	1		K2K0	MONTICELLO	IL (US)
IAP	VOR OR GPS-A	1		KC16	URBANA	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 07/19/2018

REASON FOR REVISION:

ADDED REMARK: ASSIGNED FACILITY MAG VAR: 3E 1965.
 REMOVED FAC 1 FROM FIX USE FOR V192, V434, V251 AND V429.
 CHANGED PATTERNS: PAT 1 AND PAT 2 LEG LENGTH TIME FROM 1-1 1/2 TO 1.
 CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW.

DEVELOPED BY: **DATE:** 02/13/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
DAVID TEFFETELLER
 Apr 24, 2018



DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZAU
 ATC FACILITY: CMI
 OTHER:

QUALITY
24
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RADIO FIX AND HOLDING DATA RECORD

NAME: HOOSIER VORTAC **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 390837.76N/0863646.87W **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	HOOSIER	OOM	VORTAC	L						17500

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	OOM	VORTAC	183.00	003.00	L	1	2500 14000	4 10
2	N	OOM	VORTAC	349.00	169.00	R	1	2500 14000	4 10
3	SW	OOM	VORTAC	238.00	058.00	R	1	3000 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000340)	390831.00N/0862943.00W	1452	5D
1	200	TOWER (18-000192)	390119.00N/0863559.00W	1238	4D
2	200	TOWER (18-001287)	391132.16N/0864146.01W	1349	5D
3	200	AAO	390406.00N/0863736.00W	1168	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 TRAFFIC SEPARATION

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 2W 1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KIND	INDIANAPOLIS	IN (US)
DP	INDY	1		KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	HOOSIER	1		KGEZ	SHELBYVILLE	IN (US)
EN ROUTE	V221					IN (US)
EN ROUTE	V305					IN (US)
IAP	VOR/DME RWY 13	1		KBFR	BEDFORD	IN (US)
IAP	ILS OR LOC/DME RWY 35	1	1	KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 06			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 17			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 24			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 35			KBMG	BLOOMINGTON	IN (US)
IAP	VOR RWY 17	1	2	KBMG	BLOOMINGTON	IN (US)
IAP	VOR/DME RWY 06	1	3	KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 1			KHFY	INDIANAPOLIS	IN (US)
STAR	RACYR	1		KIND	INDIANAPOLIS	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:



UPDATED FIX USE - ADDED KEYE DAWNN DP, KGEZ DAWNN DP, KHFY DAWNN DP, KIND DAWNN DP, KMQJ DAWNN DP, KTYQ DAWNN DP AND KUMP DAWNN DP.

UPDATED FIX USE - REMOVED KALN GATEWAY DP, KBLV GATEWAY DP, KCPS GATEWAY DP, KSDF DERBY CITY DP, KSTL GATEWAY DP AND KSUS GATEWAY DP.

REMOVED FAC 1 FROM FIX USE FOR V221 AND V305.

ADDED REMARK: ASSIGNED FACILITY MAG VAR: 2W 1990.

CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW.

DEVELOPED BY: **DATE:** 02/13/2018 **OFFICE:** AJV-5433

NAME: DIANE LAIR

APPROVED BY: **DATE:** **OFFICE:** AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

DAVID TEFFETELLER

DISTRIBUTION:

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FPO: CEN

ARTCC: ZID

ATC FACILITY: HUF APP CON

OTHER: BMG ATCT

Apr 24, 2018

QUALITY
24
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RADIO FIX AND HOLDING DATA RECORD

NAME: KOKOMO VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 403140.01N/0860328.80W 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	FAC FEET	MRA	MAA
1	KOKOMO	OKK	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	NE	OKK	VORTAC	044.00	224.00	R	1	2400 6000	4 5
2	SE	OKK	VORTAC	132.00	312.00	R	1	2600 6000	4 5
3	S	OKK	VORTAC	169.96	349.96	R	1	2600 6000	4 5
4	SW	OKK	VORTAC	225.07	045.07	R	1	2400 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001689)	403746.00N/0860230.00W	1128	5D
2	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D
3	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D
4	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 5W 2020.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFX	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
EN ROUTE	V214					(US)
EN ROUTE	V285					(US)
EN ROUTE	V305					(US)
EN ROUTE	V96					(US)
IAP	ILS OR LOC RWY 30		3	KAID	ANDERSON	IN (US)
IAP	NDB RWY 30			KAID	ANDERSON	IN (US)
IAP	RNAV (GPS) RWY 27			KFKR	FRANKFORT	IN (US)
IAP	RNAV (GPS) RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23		1	KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 5			KOKK	KOKOMO	IN (US)
IAP	VOR RWY 32		2	KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 10			KLAF	LAFAYETTE	IN (US)
IAP	VOR-A		2	KGGP	LOGANSPOUT	IN (US)
IAP	ILS OR LOC RWY 04			KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 15			KMZZ	MARION	IN (US)
IAP	VOR RWY 1		3	KI76	PERU	IN (US)
IAP	GPS RWY 23			K514	SHERIDAN	IN (US)
IAP	VOR-A			K514	SHERIDAN	IN (US)
IAP	RNAV (GPS) RWY 9			KIWH	WABASH	IN (US)
IAP	VOR-A		4	KIWH	WABASH	IN (US)
STAR	FISSK (RNAV)			KMDW	CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KFKR NDB RWY 9, CHANGED KTYQ VOR/DME RWY 18 TO VOR RWY 18 AND K514 VOR/DME-A TO VOR-A.
 CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.



DEVELOPED BY: **DATE:** 02/14/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR

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

SIGNATURE: *Digitally signed by*
 DAVID TEFFETELLER

DISTRIBUTION: **NFDC**
 FPO: CEN Apr 24, 2018
 ARTCC: ZAU
 ATC FACILITY: GUS APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: MARION VOR/DME **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 402935.99N/0854045.30W **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	MARION	MZZ	VOR/DME	L						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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	MZZ	VOR/DME	247.00	067.00	L	1		2400	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000855)	403549.10N/0853919.70W	1399	5D
1	200	TOWER (18-000030)	403313.00N/0853845.00W	1150	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAINTAINED UNPLANNED HOLDING ALTITUDE AT 2500. UPLANNED CONTROLLING OBSTACLE'S MSL HEIGHT CHANGED FROM 1442 TO 1399.
ASSIGNED FACILITY MAG VAR: 3W 1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
EN ROUTE	Q118					(US)
EN ROUTE	V11					IN (US)
EN ROUTE	V214					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 5 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 23 (ALT MA)		1	KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 27			KGGP	LOGANSPO	IN (US)
IAP	ILS OR LOC RWY 4		1	KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 15			KMZZ	MARION	IN (US)
IAP	VOR RWY 15		1	KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 14			KMIE	MUNCIE	IN (US)
IAP	VOR RWY 21			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 1			KI76	PERU	IN (US)
IAP	VOR-A			KIWH	WABASH	IN (US)
STAR	ESSPO (RNAV)			KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)			KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)			KORD	CHICAGO	IL (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - CHANGED KFWA ILS OR LOC 32 TO ILS OR LOC RWY 32.
CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

DEVELOPED BY: **DATE:** 02/13/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN



SIGNATURE: *Digitally signed by*
DAVID TEFFETELLER

DISTRIBUTION: **NFDC** Apr 24, 2018
FPO: CEN
ARTCC: ZAU
ATC FACILITY: GUS APP CON
OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUNCIE VOR/DME STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 401414.25N/0852338.53W 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	MUNCIE	MIE	VOR/DME	L						17500

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	MIE	VOR/DME	323.00	143.00	R	1	2600 10000	4 9
2	N	MIE	VOR/DME	021.05	201.05	R	1	2600 10000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000009)	400940.20N/0852241.60W	1465	2D
2	200	TOWER (18-000663)	401248.00N/0852734.00W	1249	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 3W 1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	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	JBNCH (RNAV)			KCVG	COVINGTON	KY (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	Q42					(US)
EN ROUTE	V14					(US)
EN ROUTE	V14-192-210					(US)
EN ROUTE	V192					(US)
EN ROUTE	V210					(US)
EN ROUTE	V214					(US)
EN ROUTE	V221					(US)
IAP	ILS OR LOC RWY 30		1	KAID	ANDERSON	IN (US)
IAP	NDB RWY 30			KAID	ANDERSON	IN (US)
IAP	ILS OR LOC RWY 05			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 05 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 05			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 32			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 14			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 21			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 32			KMIE	MUNCIE	IN (US)
IAP	VOR RWY 14		1	KMIE	MUNCIE	IN (US)
IAP	VOR RWY 21		2	KMIE	MUNCIE	IN (US)
IAP	ILS OR LOC RWY 24			KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 26			KI22	WINCHESTER	IN (US)
IAP	RNAV (GPS) RWY 8			KI22	WINCHESTER	IN (US)
IAP	VOR-A			KI22	WINCHESTER	IN (US)
IAP	RNAV (GPS) RWY 09			KVES	VERSAILLES	OH (US)
STAR	CLANG			KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)
STAR	CLANG			KMQJ	INDIANAPOLIS	IN (US)
STAR	HEDEE			KK62	FALMOUTH	KY (US)
STAR	HEDEE			KI69	BATAVIA	OH (US)



STAR	HEDEE	KLUK	CINCINNATI	OH (US)
STAR	HEDEE	KHAO	HAMILTON	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KBKL OBRLN DP, KCVG DEBAR STAR, KIND INDY DP AND KUWL VOR RWY 27.
CHANGED REMARK: ASSIGNED FACILITY MAGVAR: 3 DEGREES WEST TO ASSIGNED FACILITY MAG VAR: 3W 1985.
CHANGED REQUIRED CHARTING: CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

DEVELOPED BY: **DATE:** 02/13/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR

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

SIGNATURE: *Digitally signed by*
DAVID TEFFETELLER

DISTRIBUTION: **NFDC** Apr 24, 2018
FPO: CEN
ARTCC: ZID
ATC FACILITY: MIE ATCT, AID ATCT
OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POCKET CITY VORTAC **STATE:** IN **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 375541.95N/0874544.57W **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	POCKET CITY	PXV	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	PXV	VORTAC	330.20	150.20	R	1		2100	14000	4	10
2	SW	PXV	VORTAC	237.00	057.00	R	1		2500	14000	4	10
3	NW	WP	WP	302.18	122.18	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (21-000029)	375155.00N/0873405.00W	1449	2C
1	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
2	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
3	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED ON AIRWAY RADIALS AT OR ABOVE 2500.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 3E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	HOOSIER			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER			KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER			KGEZ	SHELBYVILLE	IN (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)
DP	LUFKIN			KT41	LA PORTE	TX (US)
EN ROUTE	J131					(US)
EN ROUTE	J29					(US)
EN ROUTE	J73					(US)
EN ROUTE	J78					(US)
EN ROUTE	Q25					(US)
EN ROUTE	Q28					(US)
EN ROUTE	Q31					(US)
EN ROUTE	V11					(US)
EN ROUTE	V190					(US)
EN ROUTE	V305					(US)



EN ROUTE	V4			(US)	
EN ROUTE	V47			(US)	
EN ROUTE	V512			(US)	
EN ROUTE	V52			(US)	
EN ROUTE	V7			(US)	
EN ROUTE	J112			IL (US)	
IAP	NDB RWY 9		KFWC	FAIRFIELD	IL (US)
IAP	ILS OR LOC RWY 23		KMVN	MOUNT VERNON	IL (US)
IAP	ILS OR LOC RWY 22	2	KEVV	EVANSVILLE	IN (US)
IAP	ILS OR LOC RWY 4	2	KEVV	EVANSVILLE	IN (US)
IAP	RADAR-1	2	KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 22		KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4	3	KEVV	EVANSVILLE	IN (US)
IAP	VOR RWY 4	2	KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 8		KFRH	FRENCH LICK	IN (US)
IAP	VOR-A	1	KEHR	HENDERSON	KY (US)
IAP	ILS OR LOC RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 18		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 6		KOWB	OWENSBORO	KY (US)
STAR	RACYR		KEYE	INDIANAPOLIS	IN (US)
STAR	RACYR		KHFY	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KMQJ	INDIANAPOLIS	IN (US)
STAR	RACYR		KTYQ	INDIANAPOLIS	IN (US)
STAR	RACYR		KUMP	INDIANAPOLIS	IN (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	SARGO (RNAV)		KCVG	COVINGTON	KY (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	BOOSH (RNAV)		KSTL	ST LOUIS	MO (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GAILL (RNAV)		KCMH	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KLCK	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KOSU	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KTZR	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	GAILL (RNAV)		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GAILL (RNAV)		KVTA	NEWARK	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	BLUZZ (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	WLDER		KMEM	MEMPHIS	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - REMOVED EN ROUTE Q29 AND KSDF APALO (RNAV), ADDED KBNA NASHVILLE DP.
CHANGED REMARK: ASSIGNED FACILITY MAG VAR 3 DEGREES EAST TO ASSIGNED FACILITY MAG VAR: 3E 1965.
CHANGED REQUIRED CHARTING CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

DEVELOPED BY: **DATE:** 02/14/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR

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

SIGNATURE: *Digitally signed by*

DAVID TEFFETELLER

DISTRIBUTION: **NFDC** Apr 24, 2018
FPO: CEN
ARTCC: ZID
ATC FACILITY: EVV ATCT, CVG APP CON, EVV APP CON
OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHELBYVILLE VOR/DME STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 393757.15N/0854927.54W 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	SHELBYVILLE	SHB	VOR/DME	L							17500

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	SHB	VOR/DME	336.00	156.00	L	1		2400	8000	4	8
2	SE	SHB	VOR/DME	150.00	330.00	R	1		2600	8000	4	8
3	E	SHB	VOR/DME	089.00	269.00	R	1		2600	8000	4	8
4	NW	SHB	VOR/DME	334.00	154.00	R	1		2400	8000	4	8
5	S	SHB	VOR/DME	166.00	346.00	R	1		2500	8000	4	8
6	NE		WP	038.88	218.88	R		4	2500	6000	5	6
7	SE		WP	142.71	322.71	R		4	2900	6000	5	6
8	SE	SHB	VOR/DME	149.92	329.92	R	1		2600	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000936)	394006.00N/0860144.00W	1542	5D
1	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
2	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
3	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
4	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
5	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
6	200	TOWER (18-000611)	394658.32N/0854739.47W	1257	1A
7	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
8	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: E1 1965.

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			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
EN ROUTE	V12					(US)
EN ROUTE	V221					(US)
EN ROUTE	V51					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC/DME RWY 35			KBMG	BLOOMINGTON	IN (US)
IAP	ILS RWY 23			KBAK	COLUMBUS	IN (US)
IAP	RNAV (GPS) RWY 14		6	KBAK	COLUMBUS	IN (US)
IAP	RNAV (GPS) RWY 23			KBAK	COLUMBUS	IN (US)
IAP	VOR-A			KI34	GREENSBURG	IN (US)
IAP	COPTER RNAV (GPS) 291			K8A4	INDIANAPOLIS	IN (US)
IAP	COPTER VOR/DME 287			K8A4	INDIANAPOLIS	IN (US)
IAP	VOR-A		3	KHFY	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 14		2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23L			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32 (ALT MA)		4	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5R			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (CAT II & III)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (SA CAT I)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 25		4	KMQJ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 25		7	KMQJ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 34		5	KMQJ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 33		8	KUMP	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 1			KGEZ	SHELBYVILLE	IN (US)
IAP	RNAV (GPS) RWY 19			KGEZ	SHELBYVILLE	IN (US)
IAP	VOR RWY 19		1	KGEZ	SHELBYVILLE	IN (US)

QUALITY
24
CHECKED

IAP	RNAV (GPS) RWY 8	KI22	WINCHESTER	IN (US)
STAR	CLANG	KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG	KIND	INDIANAPOLIS	IN (US)
STAR	RACYR	KIND	INDIANAPOLIS	IN (US)
STAR	CLANG	KMQJ	INDIANAPOLIS	IN (US)
STAR	CEGRM	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE	KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE	KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE	KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE	KHAO	HAMILTON	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - ADDED KIND ILS OR LOC RWY 23L, KIND ILS RWY 5R (SA CAT I) AND KIND ILS RWY 5R (CAT II & III).

UPDATED FIX USE - REMOVED KCVG LOVEY DP AND KHFY RNAV (GPS) RWY 1.

CHANGED REMARK: MAG VAR E1 TO ASSIGNED FACILITY MAG VAR: E1 1965.

CHANGED REQUIRED CHARTING CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

DEVELOPED BY: **DATE:** 02/15/2018 **OFFICE:** AJV-5433 **NAME:** DIANE LAIR

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

SIGNATURE: *Digitally signed by*

DAVID TEFFETELLER

DISTRIBUTION: **NFDC** Apr 24, 2018

FPO: CEN

ARTCC: ZID

ATC FACILITY: IND APP CON

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: TERRE HAUTE VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 392920.19N/0871456.45W 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	TERRE HAUTE	TTH	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE	TTH	VORTAC	049.00	229.00	R	1		2300	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (18-000269)	391433.00N/0872329.00W	1549	5D
1	200	TOWER (18-001906)	393223.56N/0870719.76W	993	2C
1	310	TOWER (18-000890)	393014.00N/0872637.00W	1249	3C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RADAR-1	KHUF	TERRE HAUTE	IN (US)

REMARKS:

PAT 1 EVALUATED AT 265 KTS FOR CAT E MINIMUMS ON LOC BC RWY 23 AT KHUF.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: E2 1965.

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			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	T325					(US)
EN ROUTE	V14					(US)
EN ROUTE	V171					(US)
EN ROUTE	V192					(US)
EN ROUTE	V50					(US)
EN ROUTE	V7					(US)
IAP	RNAV (GPS) RWY 22			K1H8	CASEY	IL (US)
IAP	RNAV (GPS) RWY 27			KPRG	PARIS	IL (US)
IAP	VOR/DME-A			KPRG	PARIS	IL (US)
IAP	RNAV (GPS) RWY 27			K0I2	BRAZIL	IN (US)
IAP	VOR RWY 9			K0I2	BRAZIL	IN (US)
IAP	RNAV (GPS) RWY 4			KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 36			KGPC	GREENCASTLE	IN (US)
IAP	LOC RWY 21			KEYE	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23R			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5L			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT II & III)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (SA CAT I)			KIND	INDIANAPOLIS	IN (US)
IAP	NDB RWY 36			KSIV	SULLIVAN	IN (US)

QUALITY
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CHECKED

IAP	VOR OR GPS-A		K3I3	TERRE HAUTE	IN (US)
IAP	ILS OR LOC RWY 5	1	KHUF	TERRE HAUTE	IN (US)
IAP	LOC BC RWY 23	1	KHUF	TERRE HAUTE	IN (US)
IAP	RADAR-1	1	KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 23		KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 5		KHUF	TERRE HAUTE	IN (US)
IAP	VOR RWY 23	1	KHUF	TERRE HAUTE	IN (US)
IAP	VOR RWY 5	1	KHUF	TERRE HAUTE	IN (US)
STAR	RACYR		KEYE	INDIANAPOLIS	IN (US)
STAR	RACYR		KHXY	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KMQJ	INDIANAPOLIS	IN (US)
STAR	RACYR		KTYQ	INDIANAPOLIS	IN (US)
STAR	RACYR		KUMP	INDIANAPOLIS	IN (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE - CHANGED KHUF VOR/DME RWY 5 TO VOR RWY 5, CHANGED KIND ILS RWY 5L (CAT II) TO ILS RWY 5L (CAT II & III) AND REMOVED ILS RWY 5L (CAT III).

CHANGED REQUIRED CHARTING CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

DEVELOPED BY: **DATE:** 02/14/2018

OFFICE: AJV-5433

NAME: DIANE LAIR

APPROVED BY: **DATE:**

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

DAVID TEFFETELLER

DISTRIBUTION:

NFDC

FPO: CEN

Apr 24, 2018

ARTCC: ZID

ATC FACILITY: HUF APP CON

OTHER:

QUALITY
24
CHECKED