

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: 23-AGL-7

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	BOILER	BVT	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	BVT	VORTAC	323.00	143.00	R	1	2400 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 (18-055364)	404016.01N/0870830.23W	1364	4D
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	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			KLAF	LAFAYETTE	IN (US)
IAP	RNAV (GPS) RWY 9			KGGP	LOGANSPOET	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			K62	FALMOUTH	KY (US)
STAR	SHELBYVILLE			I69	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: 21

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AGL-7.
FIX USE: REMOVED V251. ADDED KIND INDY DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A421

NAME: JASON KRETSCHMER



SIGNATURE:

Digitally signed by
MICHAEL GARRITY
Aug 25, 2023

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BUBLE

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401113.30N/0875119.36W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-7

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

OPR IS ZAU ARTCC.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

EN ROUTE

ATC COORDINATION FIX

(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

TYPE: REMOVED DME AND ADDED WP.

AIRSPACE DOCKET: ADDED 23-AGL-7.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (RBS) - ATC REQUEST.

REMARKS: ADDED OPR IS ZAU ARTCC.

FIX USE: REMOVED V251. ADDED ATC COORDINATION FIX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by

MICHAEL GARRITY

Aug 25, 2023

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OCTOE

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400717.43N/0880212.71W

TYPE: INT, DME

AIRSPACE DOCKET: 23-AGL-7

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	061.59	064.59	12.19	12.19	2500	17500
2	ROBERTS	RBS	VOR/DME	L	166.00	168.00	28.20	28.20	2500	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	CMI	VORTAC	061.59	241.59	R	1		2500	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (17-022415)	401405.92N/0875447.77W	1287	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32R	2		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	NDB RWY 32R	2		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RADAR 1		1	KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RNAV (GPS) RWY 32R			KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR RWY 14L	1, 2	1	KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR RWY 4	1, 2	1	KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR-A	1, 2	1	C16	URBANA	IL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AGL-7.

FIX USE: REMOVED V251. CHANGED KCMI VOR/DME RWY 14L TO VOR RWY 14L. CHANGED KCMI ILS OR LOC RWY 32R FAC FROM 1 TO 2 - AUTOMATED CHANGE. ADDED FAC 2 TO KCMI NDB RWY 32R - AUTOMATED CHANGE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by
MICHAEL GARRITY

Aug 25, 2023

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STAKS

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 402324.03N/0872244.95W

TYPE: WP

AIRSPACE DOCKET: 23-AGL-7

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

OPR IS ZAU ARTCC.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

EN ROUTE

ATC COORDINATION FIX

(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

TYPE: REMOVED INT AND DME. ADDED WP -ATC REQUEST.

AIRSPACE DOCKET: ADDED 23-AGL-7.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 (DNV) AND FAC 2 (RBS) - DNV VOR MON.

REMARKS: ADDED OPR IS ZAU ARTCC.

FIX USE: REMOVED V251. REMOVED IAP AND OTHER. ADDED ATC COORDINATION FIX.

REQUIRED CHARTING: REMOVED IAP. CHANGED CONTROLLER TO CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

Digitally signed by

MICHAEL GARRITY

Aug 25, 2023

QUALITY
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CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VAGES

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 402805.03N/0871402.05W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-AGL-7

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	PEOTONE	EON	VORTAC	L	150.00	152.00	54.34	54.34		2600	17500
2	BOILER	BVT	VORTAC	H	234.00	235.00	9.20	9.20		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EON	VORTAC	R-150	55	2600	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	EON	VORTAC	150.00	150.00	R	1		4000	10000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000402)	403640.00N/0872004.00W	1298	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PEOTONE (FAC 1) AND BOILER (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	V24	1, 2				(US)
IAP	RNAV (GPS) RWY 21			KDNV	DANVILLE	IL (US)
IAP	ILS OR LOC RWY 10			KLAF	LAFAYETTE	IN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 18-AGL-13 TO 23-AGL-7.
ESV: CHANGED EON VORTAC DISTANCE FROM 54 TO 55.
FIX USE: REMOVED V251.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE: Digitally signed by

MICHAEL GARRITY

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