

RADIO FIX AND HOLDING DATA RECORD

NAME: APPLETON VORTAC **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 400903.83N/0823517.88W **TYPE:**
AIRSPACE DOCKET: 23-ASO-19 **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	APPLETON	APE	VORTAC	VH						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	APE	VORTAC	055.00	235.00	R	1	3000 6000	4 5
2	NW	APE	VORTAC	328.00	148.00	L	1	2900 6000	4 5
3	S	APE	VORTAC	202.00	022.00	R	1	3000 6000	4 5
4	SE	APE	VORTAC	114.05	294.05	R	1	3100 6000	4 5
5	S	APE	VORTAC	194.00	014.00	R	1	3000 6000	4 5
6	NE		WP	055.00	235.00	R		3000 6000	5 6
7	NW		WP	328.00	148.00	L		3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
2	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D
3	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
4	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
5	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
6	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
7	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
 PAT 7 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 ASSIGNED FACILITY MAGVAR: W6 1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	CAVVS (RNAV)			KBKL	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCGF	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCLE	CLEVELAND	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	CAVVS (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
DP	CAVVS (RNAV)			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J178					(US)
EN ROUTE	J30					(US)
EN ROUTE	J83					(US)
EN ROUTE	Q149					(US)
EN ROUTE	T323					(US)
EN ROUTE	V144					(US)
EN ROUTE	V38					(US)
IAP	ILS OR LOC RWY 10L		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 10R		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28L		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28R		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 10R (SA CAT I & II)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 28L (SA CAT I & II)		1	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (CAT II)			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (SA CAT I)			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R		1	KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 27L			KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 9R			KOSU	COLUMBUS	OH (US)
IAP	VOR RWY 28		4	KDLZ	DELAWARE	OH (US)
IAP	RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)
IAP	VOR-A		5	KLHQ	LANCASTER	OH (US)
IAP	VOR-A			4I9	MOUNT GILEAD	OH (US)

QUALITY
 32
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IAP	RNAV (GPS) RWY 10		4I3	MOUNT VERNON	OH (US)
IAP	RNAV (GPS) RWY 28		4I3	MOUNT VERNON	OH (US)
IAP	VOR -A	3	4I3	MOUNT VERNON	OH (US)
IAP	VOR/DME RWY 26		I86	NEW LEXINGTON	OH (US)
IAP	LOC RWY 9	2	KVTA	NEWARK	OH (US)
IAP	RNAV (GPS) RWY 27	7	KVTA	NEWARK	OH (US)
IAP	VOR-A	2	KVTA	NEWARK	OH (US)
IAP	ILS OR LOC RWY 22R		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II & III)		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (SA CAT I)		KILN	WILMINGTON	OH (US)
STAR	DANEI		KDAY	DAYTON	OH (US)
STAR	DANEI		KFFO	DAYTON	OH (US)
STAR	DANEI		KMGY	DAYTON	OH (US)
STAR	DANEI		KMWO	MIDDLETOWN	OH (US)
STAR	DANEI		KSGH	SPRINGFIELD	OH (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: 37

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "23-ASO-34" TO "23-ASO-19".
2. DELETED EN ROUTE V5 AND V19 IN FIX USE.
3. DELETED ALL REFERENCES TO "ALT MISS" IN FIX USE.
4. DELETED IAP ILS OR LOC RWY 5L AT KLCK AND STAR TIGRR (RNAV) AT KCVG 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

Jan 28, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: BRBON

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 375009.94N/0853800.33W

TYPE: WP, RADAR, INT, DME

AIRSPACE DOCKET: 23-ASO-19

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	LOUISVILLE	I-RLI	LOC/DME		170.40	165.40	21.79	21.81	5000	6000
2	FORT KNOX	FTK	VOR/DME	T	105.71	104.71		16.67	2700	17500
3	LOUISVILLE	IIU	VORTAC	H	188.43	189.43	16.24	16.24	2700	17500
4	NEW HOPE	EWO	VOR/DME	L	008.36	009.36	12.41	12.41	2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RLI	LOC/DME	BRG-170	22	5000	6000
FTK	VOR/DME	R-106	17	12700	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	IIU	VORTAC	188.43	008.43	R	1		4000	6000	5	6
2	S		WP	188.43	008.43	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001503)	374304.00N/0854231.00W	1249	5E
2	200	TOWER (21-001503)	374304.00N/0854231.00W	1249	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

LOUISVILLE (FAC 1) AND LOUISVILLE (FAC 3) USED TO ESTABLISH FIX COORDINATES.
I-RLI DME COORDINATES: 381117.22N/0854453.37W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V513	2, 4				
IAP	ILS OR LOC RWY 35L	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II & III)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (SA CAT I)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L			KSDF	LOUISVILLE	KY (US)
STAR	LEDDL (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED EN ROUTE V5 IN FIX USE.
3. CHANGED IIU MAA FROM "45000" TO "17500" IN FIX MAKE-UP FACILITIES.
4. ADDED EWO IN FIX MAKE-UP FACILITIES.
5. CHANGED I-RLI DME COORDINATES FROM "381117.19N/0854453.51W" TO "381117.22N/0854453.37W" IN REMARKS.
6. CHANGED EN ROUTE V531 FAC FROM "1, 3" TO "2, 4" IN FIX USE.
7. DELETED STAR DLAMP (RNAV) 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRNIE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391641.56N/0841337.22W

TYPE: WP, DME

AIRSPACE DOCKET: 23-ASO-19

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	HAMILTON	I-RQF	LOC/DME		116.39	110.39	15.32	15.32		3000	5100

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	SE		WP	116.58	296.58	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-002039)	391423.64N/0840658.62W	1370	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

FAC 1 DME COORDINATES 392205.72N/0843205.58W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25	1		KLUK	CINCINNATI	OH (US)
IAP	ILS OR LOC RWY 30			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 12		1	KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 30		1	KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "INT" IN FIX TYPE.
3. DELETED CVG IN FIX MAKE-UP FACILITIES.
4. DELETED REMARK "HAMILTON (FAC 1) AND CINCINNATI (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. DELETED EN ROUTE V5 IN FIX USE.
6. 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FABDO

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400434.40N/0824355.85W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 23R

FAC

PAT

AIRPORT IDENT
KLCK

CITY
COLUMBUS

STATE
OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "DME" IN FIX TYPE.
3. DELETED APE IN FIX MAKE-UP FACILITIES -- NO GROUND BASED USE.
4. DELETED EN ROUTE V5 IN FIX USE.
5. 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FODAN

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 393704.12N/0833557.82W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	CINCINNATI	CVG	VORTAC	L	058.59	054.59	62.80	62.80		4000	17500
2	ROSEWOOD	ROD	VORTAC	H	157.85	152.85		45.08		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CVG	VORTAC	R-059	63	4000	17500
ROD	VORTAC	R-158	46	4000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

CINCINNATI (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V5	1, 2				

REQUIRED CHARTING: EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

DELETED KSGH - VOR/DME RWY 33 FROM FIX USE.
DELETED IAP FROM REQUIRED CHARTING.
DELETED FAC 3 (SGH) FROM FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5400

NAME: LONNIE EVERHART

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*

ALLAN WILL

Jan 28, 2025

DISTRIBUTION:

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

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GLOOM

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395925.78N/0825346.45W

TYPE: WP, DME

AIRSPACE DOCKET: 23-ASO-19

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	ZANESVILLE	ZZV	VOR/DME	H	280.00	274.00	46.39	46.39		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ZZV	VOR/DME	R-280	47	4000	15400

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V214	1				(US)
IAP	RNAV (GPS) RWY 10			KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED APE IN FIX MAKE-UP FACILITIES -- DOES NOT MEET MINIMUM DIVERGENCE ANGLE FOR V214.
3. CHANGED ZZV ESV MAX ALTITUDE FROM "17500" TO "15400".
4. DELETED "MRA V5 4000" IN FIX RESTRICTIONS.
5. DELETED REMARK "THIS IS A DME ONLY FIX DUE TO DIVERGENCE ANGLE".
6. DELETED EN ROUTE V5 IN FIX USE.
7. CHANGED EN ROUTE V214 FAC FROM "2" TO "1" 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
Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GOBVE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 395104.86N/0830938.84W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	APPLETON	APE	VORTAC	H	241.94	235.94	31.93		3000	17500
2	CABMI					184.05	9.92			17500

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:
USE TYPE
EN ROUTE
IAP

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)
OH (US)

KCMH

COLUMBUS

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/05/2001

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/13/2000

OFFICE: AVN-140

NAME: WALT STOKES

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025

DISTRIBUTION:

NFDC

FPO: CHI

ARTCC: ZID

ATC FACILITY: CMH APP CON

OTHER:

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JBEAM

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 374727.73N/0853834.15W

TYPE: WP, DME

AIRSPACE DOCKET: 23-ASO-19

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	LOUISVILLE	IIU	VORTAC	H	188.43	189.43	18.98	18.98		2700	17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V513	1		KEKX	ELIZABETHTOWN	(US)
IAP	RNAV (GPS) RWY 23					KY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "INT" AND ADDED "DME" IN FIX TYPE.
3. CANCELED HOLDING PATTERN 1; DELETED ASSOCIATED CONTROLLING OBSTRUCTIONS AND REMARKS.
4. DELETED EN ROUTE V5 IN FIX USE.
5. DELETED "CONTROLLER" AND ADDED "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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JENEY

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392109.66N/0840526.03W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 7

FAC

PAT

AIRPORT IDENT
KGDK

CITY
DAYTON

STATE
OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "INT, DME" IN FIX TYPE.
3. DELETED CVG AND DQN IN FIX MAKE-UP FACILITIES -- CVG VOR MON; NO GROUND BASED USE.
4. DELETED DQN ESV.
5. DELETED EN ROUTE V5 IN FIX USE.
6. 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOGER

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394314.80N/0832424.54W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-ASO-19

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	APPLETON	APE	VORTAC	VH	241.93	235.93	45.74	45.74	3000	17500
2	ROSEWOOD	ROD	VORTAC	H	144.00	139.00		44.90	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
APE	VORTAC	R-242	46	3000	15900
ROD	VORTAC	R-144	45	3000	15600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

APPLETON (FAC 1) AND ROSEWOOD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			KLHQ	LANCASTER	OH (US)
IAP	RNAV (GPS) RWY 27			KUYF	LONDON	OH (US)
IAP	RNAV (GPS) RWY 9			KUYF	LONDON	OH (US)
IAP	RNAV (GPS) RWY 2			I74	URBANA	OH (US)
IAP	NDB RWY 23	1, 2		I23	WASHINGTON COURT HOUSE	OH (US)
IAP	RNAV (GPS) RWY 23			I23	WASHINGTON COURT HOUSE	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED EN ROUTE V5 IN FIX USE.
3. ADDED FAC 1 AND FAC 2 TO NDB RWY 23 AT I23 IN FIX USE.
4. DELETED "EN ROUTE LOW, CONTROLLER LOW" IN REQUIRED CHARTING.
5. CHANGED APE ESV MAX ALTITUDE FROM "17500" TO "15900" AND ROD ESV MAX ALTITUDE FROM "17500" TO "15600".

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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIMPS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394948.22N/0831203.00W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-ASO-19

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	APPLETON	APE	VORTAC	VH	241.93	235.93	34.18	34.18		3000	17500
2	ROSEWOOD	ROD	VORTAC	H	130.00	125.00		47.53		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ROD	VORTAC	R-130	48	3000	15600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

APPLETON (FAC 1) AND ROSEWOOD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1, 2		KOSU	COLUMBUS	OH (US)
IAP	NDB RWY 9R	1, 2		KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 23			I23	WASHINGTON COURT HOUSE	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. CHANGED ROD MAA FROM "15600" TO "17500" IN FIX MAKE-UP FACILITIES.
3. DELETED REMARK "ROSEWOOD MAA 15600 TO MATCH ESV FOR ROSEWOOD R-130 MAX ALTITUDE 15600".
4. DELETED EN ROUTE V5 IN FIX USE.
5. 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOAKS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391742.68N/0841145.31W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

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	SW		WP	240.59	060.59	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-002039)	391423.64N/0840658.62W	1370	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 (RNP) Z RWY 36R		1	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) RWY 21			KLUK	CINCINNATI	OH (US)
IAP	RNAV (GPS) RWY 5			KMWO	MIDDLETOWN	OH (US)
STAR	JAKTZ (RNAV)			KCMH	COLUMBUS	OH (US)
STAR	JAKTZ (RNAV)			KLCK	COLUMBUS	OH (US)
STAR	JAKTZ (RNAV)			KOSU	COLUMBUS	OH (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 29-ASO-13.
2. DELETED "INT, DME" IN FIX TYPE.
3. DELETED CVG AND DQN IN FIX MAKE-UP FACILITIES -- NO GROUND BASED USE.
4. DELETED DQN ESV.
5. DELETED REMARK "CINCINNATI (FAC 1) AND DAYTON (FAC 2) USED TO ESTABLISH FIX COORDINATES".
6. DELETED EN ROUTE V5
7. DELETED IAP RNAV (GPS) Y RWY 36R AT KCVG 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NERVE

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 383656.26N/0850525.24W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T215

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "INT, DME" IN FIX TYPE.
3. DELETED CVG AND FLM IN FIX MAKE-UP FACILITIES -- CVG VOR MON; NO GROUND BASED USE.
4. DELETED REMARK "CINCINNATI (FAC 1) AND FALMOUTH (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. DELETED EN ROUTE V5 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEW HOPE VOR/DME

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 373754.52N/0854033.16W

TYPE:

AIRSPACE DOCKET: 23-ASO-19

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	NEW HOPE	EWO	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	SW	EWO	VOR/DME	216.92	036.92	R	1	2500 14000	4 10
2	SW	EWO	VOR/DME	222.33	042.33	L	1	2500 17500	4 16
3	E	EWO	VOR/DME	104.38	284.38	R	1	2500 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	374036.00N/0854133.00W	1231	4E
2	200	TOWER (21-000027)	374107.72N/0854442.37W	1288	1A
3	200	TOWER (21-000027)	374107.72N/0854442.37W	1288	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 TRAFFIC SEPARATION (ATC REQUEST).

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FAC MAG VAR 1E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V178					(US)
EN ROUTE	V513					(US)
IAP	VOR RWY 3		1	KBRY	BARDSTOWN	KY (US)
IAP	VOR/DME -A			KAAS	CAMPBELLSVILLE	KY (US)
IAP	VOR -A		3	KEKX	ELIZABETHTOWN	KY (US)
IAP	RNAV (GPS) RWY 36			KFTK	FORT KNOX	KY (US)
IAP	VOR/DME RWY 18			KFTK	FORT KNOX	KY (US)
IAP	VOR/DME RWY 36			KFTK	FORT KNOX	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 29-ASO-19.
2. DELETED EN ROUTE V5 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PRUDE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392544.92N/0835658.60W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

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	ONIDA	MW	LOM		121.11	117.11		19.53		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MW	LOM	BRG-121	20	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T217					(US)
IAP	LOC RWY 23	1		KMWO	MIDDLETOWN	OH (US)
IAP	RNAV (GPS) RWY 23			KMWO	MIDDLETOWN	OH (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "INT, DME" IN FIX TYPE.
3. DELETED CVG AND DQN IN FIX MAKE-UP FACILITIES AND ASSOCIATED ESVS.
4. DELETED REMARK "CINCINNATI (FAC 1) AND DAYTON (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. DELETED REMARK "DQN ESV IS FOR VOR ONLY - DME EXCEEDS 23 DEG/DIV".
6. DELETED EN ROUTE V5 IN FIX USE.
7. CHANGED IAP LOC RWY 23 FAC FROM "3" TO "1" AT KMWO 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHIRT

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 393758.72N/0833416.14W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP
IAP
IAP
IAP
STAR

USE TITLE

RNAV (GPS) RWY 4
RNAV (GPS) RWY 25
RNAV (GPS) RWY 19
RNAV (GPS) RWY 7
DLAMP (RNAV)

FAC

PAT

AIRPORT IDENT

KTZR
KGDK
I68
KEOP
KSDF

CITY

COLUMBUS
DAYTON
LEBANON
WAVERLY
LOUISVILLE

STATE

OH (US)
OH (US)
OH (US)
OH (US)
KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED EN ROUTE V5 IN FIX USE.
3. DELETED "EN ROUTE LOW, CONTROLLER LOW" IN REQUIRED CHARTING.
4. DELETED "INT, DME" IN FIX TYPE.
5. DELETED APE AND ROD IN FIX MAKE-UP FACILITIES -- NO GROUND BASED USE.
6. DELETED REMARK "APPLETON (FAC 1) AND ROSEWOOD (FAC 2) USED TO ESTABLISH FIX COORDINATES".

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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SOWAP

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392836.00N/0835142.72W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	CINCINNATI	CVG	VORTAC	L	058.59	054.59	47.97	47.97	4000	17500
2	MIDWEST	MXQ	VOR/DME	T	319.00	315.00	3.98	3.98	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CVG	VORTAC	R-059	48	4000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

CINCINNATI (FAC 1) AND MIDWEST (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V5	1, 2				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/21/2024

REASON FOR REVISION:

1. REMOVED HOLDING PAT 1 CVG VORTAC AND ASSOCIATED CONTROLLING OBSTRUCTIONS.
2. REMOVED "HOLDING LIMITED TO ESTABLISHED PATTERN" FROM HOLDING RESTRICTIONS.
3. REMOVED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" FROM REMARKS.
4. REMOVED "IAP ILS OR LOC RWY 18" FROM FIX USE.
5. REMOVED "IAP" FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TIYOY

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400125.76N/0824957.10W

TYPE: WP, DME

AIRSPACE DOCKET: 23-ASO-19

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	APPLETON	APE	VORTAC	VH	241.93	235.93	13.59	13.59		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 23L			KLCK	COLUMBUS	OH (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED EN ROUTE V5 IN FIX USE.
3. DELETED "EN ROUTE LOW, CONTROLLER LOW" IN REQUIRED CHARTING.
4. ADDED APE DISTANCE FROM FAC "13.59" IN FIX MAKE-UP FACILITIES.

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

Jan 28, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: WUSPU

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391514.28N/0841617.11W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S		WP	189.17	009.17	R	4	2800	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000864)	391151.00N/0841300.00W	1359	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 1		1	I68	LEBANON	OH (US)
IAP	RNAV (GPS) RWY 19		1	I68	LEBANON	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED "DME" IN FIX TYPE.
3. DELETED CVG IN FIX MAKE-UP FACILITIES -- CVG VOR MON.
4. DELETED EN ROUTE V5 IN FIX USE.
5. 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

Jan 28, 2025

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOPOM

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 381413.94N/0852703.87W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-19

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NE		WP	040.68	220.68	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000111)	381541.00N/0852543.00W	1409	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33		1	KLOU	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 06/12/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 23-ASO-19.
2. DELETED IIU IN FIX MAKE-UP FACILITIES -- NO GROUND BASED USE.
3. DELETED EN ROUTE V5 IN FIX USE.
4. 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

Jan 28, 2025

QUALITY
32
CHECKED