

RADIO FIX AND HOLDING DATA RECORD

NAME: ANTRI

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391945.80N/0844003.17W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) Y RWY 18C
RNAV (RNP) Z RWY 18C

FAC PAT

AIRPORT IDENT
KCVG
KCVG

CITY
COVINGTON
COVINGTON

STATE
KY (US)
KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED DME FROM FIX TYPE.
DELETED FAC 1 I-SIC INFORMATION, DELETED FAC 2 KCVG R18C INFORMATION.
DELETED I-SIC ESV INFORMATION.
REMOVED REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 01/26/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CINCINNATI VORTAC STATE: KY COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 390057.53N/0844212.05W 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	CINCINNATI	CVG	VORTAC	L						17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CVG	VORTAC	R-059	28	18000	23000

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	CVG	VORTAC	058.59	238.59	R	1		3000	23000	4	19
2	NE		WP	058.59	238.59	R		4	3000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000369)	390719.00N/0843253.00W	1714	4D
2	200	TOWER (39-000369)	390719.00N/0843253.00W	1714	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FAC MAGVAR 4W/2000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	ROHMM			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	ROCKT (RNAV)			KLUK	CINCINNATI	OH (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	V128					(US)
EN ROUTE	V19					(US)
EN ROUTE	V275					(US)
EN ROUTE	V47					(US)
EN ROUTE	V5					(US)
EN ROUTE	V517					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 18C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 27			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 9			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18R (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT I)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT II, III)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36L (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT II, III)			KCVG	COVINGTON	KY (US)
IAP	VOR-B			KI69	BATAVIA	OH (US)
IAP	ILS OR LOC RWY 21L			KLUK	CINCINNATI	OH (US)
IAP	NDB RWY 25			KLUK	CINCINNATI	OH (US)
IAP	RNAV (GPS) RWY 11			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 29			KHAO	HAMILTON	OH (US)
IAP	VOR RWY 19			KI67	HARRISON	OH (US)
IAP	RNAV (GPS) RWY 23			KHOC	HILLSBORO	OH (US)
IAP	ILS OR LOC RWY 22R			KILN	WILMINGTON	OH (US)
IAP	ILS OR LOC RWY 4L			KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II, III)			KILN	WILMINGTON	OH (US)
STAR	REDSTONE		1	KJVV	JEFFERSONVILLE	IN (US)
STAR	BRUSH			KCVG	COVINGTON	KY (US)
STAR	CEGRM (RNAV) (LOST COMM)		2	KCVG	COVINGTON	KY (US)

QUALITY
10
CHECKED

STAR	CINCE		KCVG	COVINGTON	KY (US)
STAR	GAVNN (RNAV) (LOST COMM)	2	KCVG	COVINGTON	KY (US)
STAR	HARDU		KCVG	COVINGTON	KY (US)
STAR	JAKIE (RNAV) (LOST COMM)	2	KCVG	COVINGTON	KY (US)
STAR	SARGO (RNAV) (LOST COMM)	2	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	TIGRR (RNAV) (LOST COMM)	2	KCVG	COVINGTON	KY (US)
STAR	BRUSH		KK62	FALMOUTH	KY (US)
STAR	CINCE		KK62	FALMOUTH	KY (US)
STAR	HARDU		KK62	FALMOUTH	KY (US)
STAR	HEDEE		KK62	FALMOUTH	KY (US)
STAR	SHELBYVILLE		KK62	FALMOUTH	KY (US)
STAR	CLEGG		KLEX	LEXINGTON	KY (US)
STAR	REDSTONE	1	KLOU	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE	1	KSDF	LOUISVILLE	KY (US)
STAR	BRUSH		KI69	BATAVIA	OH (US)
STAR	CINCE		KI69	BATAVIA	OH (US)
STAR	HARDU		KI69	BATAVIA	OH (US)
STAR	HEDEE		KI69	BATAVIA	OH (US)
STAR	SHELBYVILLE		KI69	BATAVIA	OH (US)
STAR	BRUSH		KLUK	CINCINNATI	OH (US)
STAR	HARDU		KLUK	CINCINNATI	OH (US)
STAR	HEDEE		KLUK	CINCINNATI	OH (US)
STAR	SHELBYVILLE		KLUK	CINCINNATI	OH (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	KEKEE		KDAY	DAYTON	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	BRUSH		KHAO	HAMILTON	OH (US)
STAR	CINCE		KHAO	HAMILTON	OH (US)
STAR	HARDU		KHAO	HAMILTON	OH (US)
STAR	HEDEE		KHAO	HAMILTON	OH (US)
STAR	SHELBYVILLE		KHAO	HAMILTON	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)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE: ADDED KCVG ILS RWY 18C (SA CAT I/II).
PAT 1/2 CONTROLLING OBSTACLE HEIGHT CHANGED FROM 1715 TO 1714.
FIX USE: DELETED DEBAR STAR AT KCVG.

DEVELOPED BY: **DATE:** 01/30/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZID
 ATC FACILITY: CVG APP CON
 OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DULEY **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 391637.21N/0844003.93W **TYPE:** WP, RADAR, 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	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	14.70	14.70	2400	5300
2	FALMOUTH	FLM	VOR/DME	H	340.16	336.16	41.16	41.16	4000	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SIC	LOC/DME	R-004	13	5000	5000
FLM	VOR/DME	R-340	46	4000	6000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	N	FLM	VOR/DME	340.16	160.16	R	1	4000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-002301)	391600.00N/0843527.00W	1209	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

COVINGTON/CINCINNATI (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 I-SIC DME COORDINATES: 390154.15N/0844008.21W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36C (ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT II/III) (ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 18C			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 18C			KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/19/2018

REASON FOR REVISION:

FAC 1 CHANGED MAG BRG FROM 004.18 TO 006.18, CHANGED DME DISTANCE FROM 14.61 TO 14.70, ADDED DIST FROM FAC IN NM, CHANGED MAA FROM 5400 TO 5300.
 FAC 2 ADDED DIST FROM FAC IN NM.
 DELETED FAC 3 KCVG R18C INFORMATION.
 UPDATED I-SIC AND FLM ESV INFORMATION.
 PAT 1 CONTROLLING OBSTACLE HEIGHT CHANGED FROM 1210 TO 1209.
 DELETED "FAC 3 DISTANCE 77313.52 FEET" IN REMARKS.
 CHANGED I-SIC DME COORDINATES FROM 390159.68N/0844004.01W TO 390154.15N/0844008.21W.
 ADDED "HOLDING LIMITED TO ESTABLISHED PATTERN" TO HOLDING RESTRICTIONS.
 ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS.
 UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/26/2018 **OFFICE:** AJV-5422 **NAME:** GEORGETTE BARNETT

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZID
 ATC FACILITY: CVG APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: FALMOUTH VOR/DME STATE: KY COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 383857.99N/0841838.17W 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	FALMOUTH	FLM	VOR/DME	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	SE	FLM	VOR/DME	135.00	315.00	L	1	2500 6000	4 5
2	NW	FLM	VOR/DME	323.91	143.91	R	1	3000 14000	4 10
3	SE		WP	135.00	315.00	L	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E
2	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E
3	200	TOWER (21-001033)	383513.30N/0842139.80W	1440	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
 PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 MAG VAR W04/1990

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
EN ROUTE	J134					(US)
EN ROUTE	J24					(US)
EN ROUTE	J43					(US)
EN ROUTE	V339					(US)
EN ROUTE	V44					(US)
EN ROUTE	V478					(US)
EN ROUTE	V517					(US)
EN ROUTE	V57					(US)
IAP	ILS OR LOC RWY 18C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18L (ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 27 (ALT MA)		2	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36R (ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 9 (ALT MA)		2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18R (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT I) (ALT MA)		2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 27 (SA CAT II) (ALT MA)		2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT III)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36L (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT II)(ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT III)(ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 18L		3	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36C			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36L			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36R			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 18L		3	KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 36C			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 36L			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 36R			KCVG	COVINGTON	KY (US)
IAP	VOR-A		1	KK62	FALMOUTH	KY (US)
IAP	VOR/DME-A			KFGX	FLEMINGSBURG	KY (US)
IAP	VOR-B			KI69	BATAVIA	OH (US)
IAP	ILS OR LOC RWY 21L		2	KLUK	CINCINNATI	OH (US)
IAP	LOC BC RWY 3R			KLUK	CINCINNATI	OH (US)
IAP	NDB RWY 25			KLUK	CINCINNATI	OH (US)
IAP	RNAV (GPS) RWY 3R			KLUK	CINCINNATI	OH (US)

QUALITY
10
CHECKED

IAP	VOR/DME-A	KGEO	GEORGETOWN	OH (US)
IAP	ILS OR LOC RWY 4L	KILN	WILMINGTON	OH (US)
STAR	BRUSH	KCVG	COVINGTON	KY (US)
STAR	CINCE	KCVG	COVINGTON	KY (US)
STAR	HARDU	KCVG	COVINGTON	KY (US)
STAR	JAKIE (RNAV)	KCVG	COVINGTON	KY (US)
STAR	BRUSH	KK62	FALMOUTH	KY (US)
STAR	CINCE	KK62	FALMOUTH	KY (US)
STAR	HARDU	KK62	FALMOUTH	KY (US)
STAR	HEDEE	KK62	FALMOUTH	KY (US)
STAR	CLEGG	KLEX	LEXINGTON	KY (US)
STAR	REDSTONE	KSDF	LOUISVILLE	KY (US)
STAR	BRUSH	KI69	BATAVIA	OH (US)
STAR	CINCE	KI69	BATAVIA	OH (US)
STAR	HARDU	KI69	BATAVIA	OH (US)
STAR	HEDEE	KI69	BATAVIA	OH (US)
STAR	BRUSH	KISZ	CINCINNATI	OH (US)
STAR	CINCE	KISZ	CINCINNATI	OH (US)
STAR	HARDU	KISZ	CINCINNATI	OH (US)
STAR	HEDEE	KISZ	CINCINNATI	OH (US)
STAR	BRUSH	KLUK	CINCINNATI	OH (US)
STAR	CINCE	KLUK	CINCINNATI	OH (US)
STAR	HARDU	KLUK	CINCINNATI	OH (US)
STAR	HEDEE	KLUK	CINCINNATI	OH (US)
STAR	ZABER	KCLE	CLEVELAND	OH (US)
STAR	KEKEE	KDAY	DAYTON	OH (US)
STAR	BRUSH	KHAO	HAMILTON	OH (US)
STAR	CINCE	KHAO	HAMILTON	OH (US)
STAR	HARDU	KHAO	HAMILTON	OH (US)
STAR	HEDEE	KHAO	HAMILTON	OH (US)
STAR	GUIR	KMBT	MURFREESBORO	TN (US)
STAR	GUIR	KBNA	NASHVILLE	TN (US)
STAR	GUIR	KJWN	NASHVILLE	TN (US)
STAR	GUIR	KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

UPDATED FIX USE: ADDED KCVG ILS RWY 18C (SA CAT II).

DEVELOPED BY: **DATE:** 01/30/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CVG APP CON/ATCT
OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FELUB

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391949.13N/0844003.15W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	17.90	17.90		6000	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SIC	LOC/DME	R-006	18	6000	6000

REMARKS:

ESV I-SIC GS 6000/17, I-SIC DME 6000/18.

I-SIC DME COORDINATES: 390154.15N-0844008.21W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/24/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FIMAN

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 390554.37N/0844006.54W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	4.00	4.00		1460	5300

REMARKS:

I-SIC DME COORDINATES: 390154.15N/0844008.21W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/30/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIPEB

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392257.66N/0844002.39W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	21.04	21.04		7000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SIC	LOC/DME	R-006	22	7000	7000

REMARKS:

ESV I-SIC GS 7000/20, I-SIC DME 7000/22.
I-SIC DME COORDINATES: 390154.15N/0844008.21W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/25/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUBUR

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391640.59N/0844003.92W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	14.76	14.76		5000	5300

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SIC	LOC/DME	R-006	13	5000	5000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/24/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUPAL

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392602.97N/0844001.63W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) Y RWY 18C
RNAV (RNP) Z RWY 18C

FAC PAT

AIRPORT IDENT
KCVG
KCVG

CITY
COVINGTON
COVINGTON

STATE
KY (US)
KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED DME FROM FIX TYPE
DELETED FAC 1 I-SIC INFORMATION, DELETED FAC 2 KCVG R18C INFORMATION.
DELETED ESV I-SIC INFORMATION.
REMOVED REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 01/26/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KLEPR

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391328.62N/0844004.70W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-SIC DME COORDINATES: 390154.15N/0844008.21W

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP
IAP

RNAV (GPS) Y RWY 18C
RNAV (RNP) Z RWY 18C

KCVG
KCVG

COVINGTON
COVINGTON

KY (US)
KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED DME FROM FIX TYPE.
DELETED FAC 1 I-SIC INFORMATION, DELETED FAC 2 KCVG R18C INFORMATION.
REMOVED REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 01/26/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAMAH

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392254.39N/0844002.40W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) Y RWY 18C
RNAV (RNP) Z RWY 18C

FAC PAT

AIRPORT IDENT
KCVG
KCVG

CITY
COVINGTON
COVINGTON

STATE
KY (US)
KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED DME FROM FIX TYPE.
DELETED FAC 1 I-SIC INFORMATION, DELETED FAC 2 KCVG R18C INFORMATION.
DELETED I-SIC ESV INFORMATION.
REMOVED REMARKS.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 01/26/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOGOZ

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 390826.88N/0844005.92W

TYPE: WP, RADAR

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 18C			KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 36C			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 18C			KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 36C			KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED DME FROM FIX TYPE.
DELETED FAC 1 I-SIC INFORMATION, DELETED FAC 2 KCVG R18C INFORMATION.
RMOVED REMARKS.
UPDATED FIX USE.

DEVELOPED BY: DATE: 01/31/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NILRE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392606.17N/0844001.62W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	24.18	24.18		8000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SIC	LOC/DME	R-006	25	8000	8000

REMARKS:

ESV I-SIC GS 8000/23, I-SIC DME 8000/25.
I-SIC DME COORDINATES: 390154.15N/0844008.21W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/25/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUTVU

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 390830.34N/0844005.91W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	6.60	6.60	40082	2400	5300

REMARKS:

I-SIC DME COORDINATES: 390154.15N/0844008.21W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/24/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEVVE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 391332.04N/0844004.68W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	COVINGTON/CINCINNATI	I-SIC	LOC/DME		006.18	000.18	11.62	11.62		4000	5300

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1		KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/19/2018

DEVELOPED BY: DATE: 01/24/2018

OFFICE: AJV-5422

NAME: GEORGETTE BARNETT

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIRKE STATE: KY COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 384602.88N/0843853.02W 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	CINCINNATI	CVG	VORTAC	L	174.12	170.12	15.12	15.12	2700	17500
2	FALMOUTH	FLM	VOR/DME	H	298.15	294.15	17.35	17.35	2700	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	N	CVG	VORTAC	174.12	174.12	R	1		3000	14000	5	11
2	NW	FLM	VOR/DME	298.15	118.15	R	1		3000	6000	5	6
3	N		WP	354.12	174.12	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001155)	384058.45N/0843930.59W	1337	5E
2	200	TOWER (21-001155)	384058.45N/0843930.59W	1337	5E
3	200	TOWER (21-001155)	384058.45N/0843930.59W	1337	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

CINCINNATI (FAC 1) AND FALMOUTH (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V97	1				(US)
IAP	ILS OR LOC RWY 18C	1, 2	1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18C (ALT MA)	1, 2	2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I)	1, 2	1	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT I) (ALT MA)	1, 2	2	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II)	1, 2	1	KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18C (SA CAT II) (ALT MA)	1, 2	2	KCVG	COVINGTON	KY (US)
IAP	RNAV (GPS) Y RWY 18C		3	KCVG	COVINGTON	KY (US)
IAP	RNAV (RNP) Z RWY 18C		3	KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

FAC 1/2, ADDED DIST FROM FAC IN NM.
 DELETED FAC 3 JITEV WP INFORMATION.
 CONTROLLING OBSTACLES FOR PAT 1,2,3 UPDATED TO 21-001155 INFORMATION.
 ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETE" TO REMARKS.
 DELETED "HOLDING LIMITED TO ESTABLISHED PATTERNS" IN REMARKS, ADDED TO HOLDING RESTRICTIONS.
 UPDATED FIX USE.

DEVELOPED BY: DATE: 01/30/2018 OFFICE: AJV-5422 NAME: GEORGETTE BARNETT

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZID
 ATC FACILITY: CVG APP CON
 OTHER:

QUALITY
10
CHECKED