

RADIO FIX AND HOLDING DATA RECORD

NAME: ARTUR STATE: TN COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 363158.34N/0834707.31W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
STAR	JAKIE (RNAV)			KCVG	COVINGTON	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 DATE OF REVISION: 05/16/2024

REASON FOR REVISION:
REMOVED INT AND DME FROM FIX TYPE.
REMOVED FAC 1 VXV VOR/DME AND FAC 2 HNV VOR/DME FROM FIX MAKE-UP FACILITIES AND THE ASSOCIATED ESV.
REMOVED "VOLUNTEER (FAC 1) AND HOLSTON MOUNTAIN (FAC 2) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.
REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.
ADDED CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 05/16/2024	OFFICE: AJV-A432	NAME: CASIMIR TABAKA

SIGNATURE: *Digitally signed by*
CASIMIR L TABAKA
Feb 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHEDA

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 371947.61N/0833838.13W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

FIX USE:

USE TYPE
STAR

USE TITLE
JAKIE (RNAV)

FAC

PAT

AIRPORT IDENT
KCVG

CITY
COVINGTON

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED INT AND DME FROM FIX TYPE.

REMOVED FAC 1 VXV VOR/DME AND FAC 2 HNV VOR/DME FROM FIX MAKE-UP FACILITIES AND THE ASSOCIATED ESV.

REMOVED PAT 1 HOLDING FROM HOLDING PATTERNS AND ITS ASSOCIATED NOTES.

REMOVED "VOLUNTEER (FAC 1) AND HOLSTON MOUNTAIN (FAC 2) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.

REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARDU

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 374641.37N/0834109.23W

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	FALMOUTH	FLM	VOR/DME	H	154.31	150.31	60.00	60.00		15000	24000
2	LEXINGTON	HYK	VOR/DME	VL	106.55	106.55		39.04		15000	24000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FLM	VOR/DME	R-154	60	9000	17500
HYK	VOR/DME	R-107	40	18000	24000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	SE	FLM	VOR/DME	154.31	334.31	R		10	15000	24000	17	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (21-001977)	375426.65N/0833801.10W	2549	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HARDU	1, 2	1	KCVG	COVINGTON	KY (US)
STAR	HARDU	1, 2	1	K62	FALMOUTH	KY (US)
STAR	HARDU	1, 2	1	I69	BATAVIA	OH (US)
STAR	HARDU	1, 2	1	KLUK	CINCINNATI	OH (US)
STAR	HARDU	1, 2	1	KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

TYPE: REMOVED WP, ADDED INT.
FIX MAKE-UP AND ESV: CHANGED HYK FRO VORTAC TO VOR/DME.
HOLDING: DELETED PAT 2, CHANGED PAT 1 OBSTACLE IDENT FROM 18-1977.
FIX USE: DELETED KISZ HARDU STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Feb 23, 2024

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY:
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOLSTON MOUNTAIN VORTAC STATE: TN COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 362613.40N/0820746.56W 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	HOLSTON MOUNTAIN	HMV	VORTAC	L						45000

FIX RESTRICTIONS:

MCA V310 6900 EASTBOUND
 MCA V259 6600 SOUTHEAST BOUND
 MCA V605 8500 SOUTHBOUND

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	HMV	VORTAC	064.00	244.00	R	1	6700 17500	8 16
2	NE	HMV	VORTAC	064.00	244.00	L	1	6700 17500	8 16
3	SW	HMV	VORTAC	244.00	064.00	R	1	6700 17500	8 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C
2	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C
3	230	TOWER (47-002282)	362658.20N/0820628.70W	4632	2C

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLD PATTERNS 1, 2 AND 3 USED FOR FLOW CONTROL BETWEEN ATC SECTORS (DO NOT CHART ON LOW ENROUTE/ATC REQUEST).
 MAG VAR W04/1985

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HICKORY (OBSTACLE)			KHKY	HICKORY	NC (US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V259					(US)
EN ROUTE	V310					(US)
EN ROUTE	V35					(US)
EN ROUTE	V364					(US)
EN ROUTE	V53					(US)
EN ROUTE	V605					(US)
IAP	ILS OR LOC RWY 17			KAVL	ASHEVILLE	NC (US)
IAP	ILS OR LOC RWY 35			KAVL	ASHEVILLE	NC (US)
IAP	ILS OR LOC RWY 23			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS OR LOC RWY 5			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS RWY 23 (CAT II)			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	ILS RWY 23 (SA CAT I)			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
IAP	RNAV (GPS) RWY 24			6A4	MOUNTAIN CITY	TN (US)
IAP	RNAV (GPS) RWY 6			6A4	MOUNTAIN CITY	TN (US)
IAP	RNAV (GPS) RWY 24			KVJI	ABINGDON	VA (US)
STAR	BTSEY			KCLT	CHARLOTTE	NC (US)
STAR	LIINN			KCLT	CHARLOTTE	NC (US)
STAR	LIINN			KAKH	GASTONIA	NC (US)
STAR	LIINN			KIPJ	LINCOLNTON	NC (US)
STAR	LIINN			KEQY	MONROE	NC (US)
STAR	LIINN			KEHO	SHELBY	NC (US)
STAR	LIINN			KAFP	WADESBORO	NC (US)
STAR	LIINN			N52	WAXHAW	NC (US)
STAR	LIINN			KDCM	CHESTER	SC (US)
STAR	LIINN			KLKR	LANCASTER	SC (US)
STAR	LIINN			KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 23

DATE OF REVISION: 05/16/2024



REASON FOR REVISION:
REMOVED AIRSPACE DOCKET #21-ASO-32.
REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 05/16/2024	OFFICE: AJV-A432	NAME: SILVIA YOUNG

SIGNATURE:	<i>Digitally signed by</i> CASIMIR L TABAKA Feb 23, 2024
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RADIO FIX AND HOLDING DATA RECORD

NAME: JAKIE

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 382555.16N/0840910.96W

TYPE: WP

AIRSPACE DOCKET:

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	SE		WP	156.37	336.37	L		10	14000	23000	15	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-000320)	381315.00N/0841605.00W	1369	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JAKIE (RNAV)		1	KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED INT AND DME FROM FIX TYPE.
REMOVED FAC 1 FLM VOR/DME AND FAC 2 HYK VOR/DME FROM FIX MAKE-UP FACILITIES AND THE ASSOCIATED ESV.
REMOVED "FALMOUTH (FAC 1) AND LEXINGTON (FAC 2) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.
REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Feb 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PACKO

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 364705.97N/0824241.86W

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	HOLSTON MOUNTAIN	HMV	VORTAC	L	310.73	306.73	35.00	35.00		18000	29000
2	VOLUNTEER	VXV	VORTAC	H	050.05	047.05	77.91	77.91		18000	29000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HMV	VORTAC	R-311	35	18000	29000

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

HOLSTON MOUNTAIN (FAC 1) AND VOLUNTEER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

ZTL / ZID COORDINATION FIX.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HARDU	1, 2		KCVG	COVINGTON	KY (US)
STAR	HARDU	1, 2		K62	FALMOUTH	KY (US)
STAR	HARDU	1, 2		I69	BATAVIA	OH (US)
STAR	HARDU	1, 2		KLUK	CINCINNATI	OH (US)
STAR	HARDU	1, 2		KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FIX USE: DELETED KISZ HARDU STAR.
REQUIRED CHARTING: ADDED CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 23, 2024

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL, ZID
ATC FACILITY:
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TAYOS

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 373822.36N/0833517.40W

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	VOLUNTEER	VXV	VORTAC	H	011.00	008.00	104.99	104.99		18000	45000
2	FALMOUTH	FLM	VOR/DME	DH	154.31	150.31	69.52	69.52		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FLM	VOR/DME	R-154	70	9000	15800

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

VOLUNTEER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HARDU	1, 2		KCVG	COVINGTON	KY (US)
STAR	HARDU	1, 2		K62	FALMOUTH	KY (US)
STAR	HARDU	1, 2		I69	BATAVIA	OH (US)
STAR	HARDU	1, 2		KLUK	CINCINNATI	OH (US)
STAR	HARDU	1, 2		KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMARKS: ADDED FAC USED TO ESTABLISH STATEMENT.
FIX USE: DELETED KISZ HARDU STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 23, 2024

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY:
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VOLUNTEER VORTAC STATE: TN COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 355417.42N/0835340.99W 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	VOLUNTEER	VXV	VORTAC	H							45000

FIX RESTRICTIONS:

MCA V136 5000 EASTBOUND

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		WP	236.00	236.00	L		6	4000	6000	7	8
2	NE	VXV	VORTAC	056.00	236.00	R	1		4100	6000	7	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
1	310	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	230	TOWER (47-000184)	360019.00N/0835623.00W	2849	3C
2	310	TOWER (47-000192)	360806.00N/0834329.00W	3049	1D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 5R	KTYS	KNOXVILLE	TN (US)
2	RADAR-1	KTYS	KNOXVILLE	TN (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING EVALUATED AT 230 KIAS TO SUPPORT MILITARY AIRCRAFT (KC-135) BASED AT KTYS.
 PAT 1 230 KIAS CONTROLLING OBSTACLE LIES IN SECONDARY AREA 9359 FT FROM EDGE OF PRIMARY.
 MAGVAR W03/1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	TAKEOFF MINIMUMS			KJAU	JACKSBORO	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	TAKEOFF MINIMUMS			KGKT	SEVIERVILLE	TN (US)
EN ROUTE	J43					(US)
EN ROUTE	J46					(US)
EN ROUTE	J99					(US)
EN ROUTE	V115					(US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V185					(US)
EN ROUTE	V384					(US)
EN ROUTE	V466					(US)
EN ROUTE	V519					(US)
EN ROUTE	V97					(US)
IAP	LOC RWY 26			KDKX	KNOXVILLE	TN (US)
IAP	VOR-B			KDKX	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR OR TACAN RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23L			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	ILS OR LOC RWY 5L			KTYS	KNOXVILLE	TN (US)
IAP	ILS RWY 23R (CAT II)			KTYS	KNOXVILLE	TN (US)
IAP	ILS RWY 23R (SA CAT I)			KTYS	KNOXVILLE	TN (US)
IAP	RADAR-1		2	KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 5L		1	KTYS	KNOXVILLE	TN (US)

QUALITY
14
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IAP	RNAV (GPS) RWY 5R	1	KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23L		KTYS	KNOXVILLE	TN (US)
IAP	VOR RWY 23R		KTYS	KNOXVILLE	TN (US)
IAP	RNAV (GPS) RWY 23		KMNV	MADISONVILLE	TN (US)
IAP	NDB RWY 5		KMOR	MORRISTOWN	TN (US)
IAP	SDF RWY 5		KMOR	MORRISTOWN	TN (US)
IAP	RNAV (GPS) RWY 10		KGKT	SEVIERVILLE	TN (US)
IAP	VOR/DME RWY 10		KGKT	SEVIERVILLE	TN (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	JAKIE (RNAV)		KCVG	COVINGTON	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	LIINN		KCLT	CHARLOTTE	NC (US)
STAR	LIINN		KAKH	GASTONIA	NC (US)
STAR	LIINN		KIPJ	LINCOLNTON	NC (US)
STAR	LIINN		KEQY	MONROE	NC (US)
STAR	LIINN		KEHO	SHELBY	NC (US)
STAR	LIINN		KAFF	WADESBORO	NC (US)
STAR	LIINN		N52	WAXHAW	NC (US)
STAR	LIINN		KDCM	CHESTER	SC (US)
STAR	LIINN		KLKR	LANCASTER	SC (US)
STAR	LIINN		KUZA	ROCK HILL	SC (US)
STAR	SWFFT (RNAV)		KBNA	NASHVILLE	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: 29

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED STAR HARDU FOR KCVG, K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 23, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZETLA

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 385542.29N/0844437.18W

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	MRA	MAA
1	FALMOUTH	FLM	VOR/DME	H	313.59	309.59	26.31	26.31	4000	17500
2	CINCINNATI	CVG	VORTAC	L	203.78	199.78		5.58	4000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HARDU	1, 2		KCVG	COVINGTON	KY (US)
STAR	HARDU	1, 2		K62	FALMOUTH	KY (US)
STAR	HARDU	1, 2		I69	BATAVIA	OH (US)
STAR	HARDU	1, 2		KLUK	CINCINNATI	OH (US)
STAR	HARDU	1, 2		KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

FIX MAKE-UP: ADDED DIST FROM FAC DATA

REMARKS: ADDED FAC/S USED TO ESTABLISH STATEMENT.

FIX USE: ADDED ALL HARDU STAR SATELLITE AIRPORTS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 23, 2024

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: CVG APP CON

OTHER:

QUALITY
14
CHECKED