

RADIO FIX AND HOLDING DATA RECORD

NAME: AWLEE

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375751.97N/0854031.76W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-RLI	LOC/DME		169.40	165.40	13.84	13.86		4000	5000
2	LOUISVILLE	IIU	VORTAC	H	208.18	209.18		9.54		4000	5000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-RLI DME COORDINATES: 381117.19N-0854453.51W
I-RLI (FAC 1)USED TO ESTABLISH FIX COORDINATES.

FIX USE:

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

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 169.39/165.39.
REMARKS: UPDATED I-RLI DME LAT LONG FROM 381117.18N-0854453.38W.

DEVELOPED BY:

DATE: 03/04/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BRELL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380514.95N/0853515.79W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DLAMP (RNAV)
STAR MAUDD (RNAV)
STAR MBELL (RNAV)

FAC PAT

AIRPORT IDENT

KSDF LOUISVILLE
KSDF LOUISVILLE
KSDF LOUISVILLE

CITY

STATE

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CURRT

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381818.96N/0853938.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: DARBY

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 373915.59N/0845712.37W

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	LOUISVILLE	IIU	VORTAC	H	131.05	132.05	40.04	40.04	3000	45000
2	LIVINGSTON	LVT	VORTAC	L	011.00	009.00		64.92	3000	12000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IIU	VORTAC	R-131	41	3000	15300
LVT	VORTAC	R-011	65	3000	12000

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	SE	IIU	VORTAC	131.05	311.05	R	1-1 1/2		3000	23000	6	21
2	NW		WP	315.05	135.05	R		4	3000	6000	5	6
3	SE		WP	135.44	315.44	R		10	10000	23000	15	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	373145.00N/0845133.00W	1654	4E
1	310	TOWER (18-0486)	373110.00N/0845210.80W	1785	5E
2	200	AAO	373530.62N/0845321.28W	1579	2C
2	310	TOWER (18-0486)	373110.00N/0845210.80W	1785	5E
3	230	TOWER (21-000486)	373110.00N/0845210.80W	1785	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC/DME RWY 30	KDVK	DANVILLE	KY (US)
2	RNAV (GPS) RWY 30	KDVK	DANVILLE	KY (US)

REMARKS:

LOUISVILLE (FAC 1) AND LIVINGSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 3 - 10 NM LEGS REQUESTED BY ATC FOR RNAV STAR HOLDING.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V310	1, 2				(US)
IAP	LOC/DME RWY 30	1, 2	1	KDVK	DANVILLE	KY (US)
IAP	RNAV (GPS) RWY 30		2	KDVK	DANVILLE	KY (US)
STAR	DARBY	1, 2	1	KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)		3	KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. UPDATED PAT 3 PATTERN SIZES FROM 16/21 TO 15/20
 2. LOWERED FAC 2 MAA AND FAC 2 ESV MAX ALT FROM 33000 TO 12000 BECAUSE OF ESV RESTRICTIONS

DEVELOPED BY: DATE: 12/04/2012 OFFICE: AJV-352 NAME: CHRISTOPHER COX

APPROVED BY: DATE: 02/15/2013 OFFICE: AJV-352 NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZID
 ATC FACILITY: LEX APP CON, SDF ATCT
 OTHER: CENTRAL FPO

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: DLAMP

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381201.95N/0853729.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY:

DATE: 06/10/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY:

DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GREYD

STATE: TN

COUNTRY: US

LATITUDE/LONGITUDE: 361030.98N/0840321.09W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC PAT

AIRPORT IDENT CITY
KSDF LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LOUISVILLE VORTAC

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380612.47N/0853438.77W

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	LOUISVILLE	IIU	VORTAC	H							45000

FIX RESTRICTIONS:

MCA V5 10000 NORTHEAST BOUND

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	IIU	VORTAC	120.00	300.00	R	1		3000	6000	4	5
2	SE		WP	120.00	300.00	R		4	3000	6000	5	6
3	SE		WP	120.00	300.00	R		10	6000	6000	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
1	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C
2	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
2	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C
3	200	TOWER (21-000420)	380349.00N/0854352.00W	1249	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) Y RWY 17L	KSDF	LOUISVILLE	KY (US)
2	RNAV (RNP) Z RWY 17L	KSDF	LOUISVILLE	KY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 3 EVALUATED FOR 10NM LEGS PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CHCLL (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	TEDDD			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	CHATANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	J112					(US)
EN ROUTE	J39					(US)
EN ROUTE	J526					(US)
EN ROUTE	J78					(US)
EN ROUTE	J8					(US)
EN ROUTE	J89					(US)
EN ROUTE	J99					(US)
EN ROUTE	Q50					(US)
EN ROUTE	T213					(US)
EN ROUTE	V171					(US)
EN ROUTE	V310					(US)
EN ROUTE	V4					(US)
EN ROUTE	V5					(US)
EN ROUTE	V512					(US)
EN ROUTE	V513					(US)
EN ROUTE	V53					(US)
IAP	LOC/DME RWY 30			KDVK	DANVILLE	KY (US)

QUALITY
2
CHECKED

IAP	VOR-A		KEKX	ELIZABETHTOWN	KY (US)
IAP	ILS OR LOC/DME RWY 18		KFTK	FORT KNOX	KY (US)
IAP	RNAV (GPS) RWY 18		KFTK	FORT KNOX	KY (US)
IAP	VOR RWY 24	1	KLOU	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17L		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17R		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35L		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35R		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)		KSDF	LOUISVILLE	KY (US)
IAP	LOC RWY 29		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17L	2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17L	2	KSDF	LOUISVILLE	KY (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	REDSTONE		KJVV	JEFFERSONVILLE	IN (US)
STAR	GENUS		KK62	FALMOUTH	KY (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CLEGG		KLEX	LEXINGTON	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	REDSTONE		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE		KSDF	LOUISVILLE	KY (US)
STAR	GENUS		KI69	BATAVIA	OH (US)
STAR	GENUS		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	ZABER		K1G1	ELYRIA	OH (US)
STAR	GENUS		KHAO	HAMILTON	OH (US)
STAR	GAILL (RNAV)		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GAILL		KVTA	NEWARK	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	GUIR		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	GUIR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	GUIR		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	GUIR		KMQY	SMYRNA	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: CORRECTED DAMEN (RNAV); REMOVED PAT 1 FROM KSDF ILS OR LOC RWY 17L; ADDED PAT 3 TO FRIZN (RNAV) STAR, MBELL (RNAV) STAR, AND DAMEN (RNAV) STAR; UPDATED FORMAT.

DEVELOPED BY: **DATE:** 02/26/2016 **OFFICE:** AJV-5442 **NAME:** JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: INDAA

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375614.68N/0852358.51W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUNOO

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 371002.00N/0850313.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	192.29	012.29	R	15	10000	20000	28	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-000208)	371003.00N/0844930.00W	2525	5E

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 - LEG LENGTH 15NM REQUESTED BY ATC

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MAUDD (RNAV)		1	KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: KAEDN

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381459.68N/0853829.99W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

RNAV (RNP) Z RWY 17L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 17R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DLAMP (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LAANG LOM

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380840.90N/0853800.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	LAANG	LKS	LOM-NDB								17500
2	LOUISVILLE	I-LKS	LOC		116.17	112.17		5.97	36296	2000	4900

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	LKS	NDB	116.17	296.17	R	1		2300	4900	4	5
2	S	LKS	NDB	168.20	348.20	R	1		2500	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000115)	381135.00N/0853114.00W	1228	4D
2	200	TOWER (21-020059)	380615.81N/0853401.36W	1021	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE LAANG LOM.
ACTUAL FACILITY LOCATION IS 380841.43N/0853759.89W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 33	1	2	KLOU	LOUISVILLE	KY (US)
IAP	LOC RWY 29	1, 2	1	KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DAMEN (RNAV) STAR, FRIZN (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.

DEVELOPED BY: DATE: 02/26/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON, SDF ATCT, LOU ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAFOX

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 370523.92N/0841110.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LONDON VOR/DME

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 370159.34N/0840636.27W

TYPE:

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	FAC FEET	MRA	MAA
1	LONDON	LOZ	VOR/DME	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	NE	LOZ	VOR/DME	065.88	245.88	R	1	3500 14000	4 10
2	SW	LOZ	VOR/DME	205.32	025.32	R	1	3500 14000	4 10
3	E	LOZ	VOR/DME	088.61	268.61	R	1	3700 14000	4 10
4	N	LOZ	VOR/DME	019.77	199.77	R	1	3300 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001307)	370901.00N/0835932.00W	1933	5E
1	310	TOWER (21-020043)	370341.04N/0835128.32W	1975	1A
2	200	AAO	365436.00N/0840615.00W	1897	4E
2	310	AAO	365109.00N/0840533.00W	2153	4E
3	200	AAO	370239.00N/0835651.00W	1788	4E
4	200	TOWER (21-001967)	370745.00N/0840541.00W	1696	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 6	KLOZ	LONDON	KY (US)
2	VOR RWY 6	KLOZ	LONDON	KY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	CHATTANGOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	TITAN			KBNA	NASHVILLE	TN (US)
EN ROUTE	V140					(US)
EN ROUTE	V310					(US)
EN ROUTE	V347					(US)
EN ROUTE	V517					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 6		1	KLOZ	LONDON	KY (US)
IAP	VOR RWY 6		2	KLOZ	LONDON	KY (US)
IAP	ILS OR LOC/DME RWY 5 (ALT MISS)		3	KSME	SOMERSET	KY (US)
IAP	LOC/DME RWY 20		4	KBYL	WILLIAMSBURG	KY (US)
IAP	VOR/DME RWY 20		4	KBYL	WILLIAMSBURG	KY (US)
STAR	JAKIE (RNAV)			KCVG	COVINGTON	KY (US)
STAR	DARBY			KSDF	LOUISVILLE	KY (US)
STAR	UNMAN (RNAV)			KGYH	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)			KGSP	GREER	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FAC 1 FROM LONDON VORTAC TO LONDON VOR/DME.
 UPDATED HOLDING PAT 1,2,3 AND 4.
 ADDED NASHVILLE DP AT KBNA AND KNOXVILLE SID AT KTYS TO FIX USE.
 UPDATED AIRPORT IDENT FROM KW38 TO KBYL.
 REMOVED SDF MAUDD (RNAV) STAR FROM FIX USE.

QUALITY
2
CHECKED

DEVELOPED BY: **DATE:** 02/16/2016 **OFFICE:** AJV-5431 **NAME:** JOHNNIE BAKER (CHRISTINE BAYSE)
APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** MARLON ROBINSON
SIGNATURE:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIVINGSTON VORTAC

STATE: TN

COUNTRY: US

LATITUDE/LONGITUDE: 363504.23N/0850959.84W

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	LIVINGSTON	LVT	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	LVT	VORTAC	325.00	145.00	R	1		3200	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	363301.30N/0850654.87W	1919	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
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	V140					(US)
EN ROUTE	V321					(US)
EN ROUTE	V384					(US)
EN ROUTE	V493					(US)
EN ROUTE	V51					(US)
EN ROUTE	V513					(US)
EN ROUTE	V52					(US)
IAP	LOC DME RWY 30			KDVK	DANVILLE	KY (US)
IAP	ILS OR LOC DME RWY 05			KSME	SOMERSET	KY (US)
IAP	RNAV (GPS) RWY 4			KTZV	TOMPKINSVILLE	KY (US)
IAP	VOR/DME OR GPS A		1	K2A1	JAMESTOWN	TN (US)
IAP	VOR/DME RWY 21		1	K8A3	LIVINGSTON	TN (US)
IAP	ILS OR LOC RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	VOR/DME A			KSCX	ONEIDA	TN (US)
STAR	DARBY			KJVV	JEFFERSONVILLE	IN (US)
STAR	DARBY			KLOU	LOUISVILLE	KY (US)
STAR	DARBY			KSDF	LOUISVILLE	KY (US)
STAR	GUIR			KMBT	MURFREESBORO	TN (US)
STAR	GUIR			KBNA	NASHVILLE	TN (US)
STAR	PASLY (RNAV)			KBNA	NASHVILLE	TN (US)
STAR	GUIR			KJWN	NASHVILLE	TN (US)
STAR	GUIR			KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED MAUDD (RNAV) STAR; ADDED KNOXVILLE DP.

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: MAUDD

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 374704.66N/0850759.38W

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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	IIU	VORTAC	H	131.05	132.05	28.46	28.46		2700	17500
2	NEW HOPE	EWO	VOR/DME	L	069.32	070.32	27.42	27.42		2700	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	373533.00N/0845324.00W	1549	4E

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3600

REMARKS:

LOUISVILLE (FAC 1) AND NEW HOPE (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	V178	1, 2				(US)
EN ROUTE	V310	1, 2				(US)
IAP	LOC/DME RWY 30			KDVK	DANVILLE	KY (US)
IAP	NDB-A			KDVK	DANVILLE	KY (US)
IAP	RNAV (GPS) RWY 12			KDVK	DANVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/26/2012

REASON FOR REVISION:

ADDED DIST FROM FAC TO FAC 1 AND 2.
DELETED FAC 3 - ZUTOB.
MOVED NOTE-UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3600- TO HOLDING RESTRICTIONS BLOCK.
ADDED NOTE TO REMARKS BLOCK-PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ADDED STAR TO REQUIRED CHARTING.
ADDED REMARK: LOUISVILLE (FAC 1) AND NEW HOPE (FAC 2) USED TO ESTABLISH FIX COORDINATES
UPDATED FIX USE.

DEVELOPED BY: DATE: 06/30/2011 OFFICE: AJV-352 NAME: MICHAEL CURRAN

APPROVED BY: DATE: 05/25/2012 OFFICE: AJV-352 NAME: DARRYL ADAMS

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: LEX APP CON, SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: NNOAH

STATE: TN

COUNTRY: US

LATITUDE/LONGITUDE: 363038.43N/0841526.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY: DATE: 06/29/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY: DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NOPOE

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 364000.93N/0850901.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC PAT

AIRPORT IDENT CITY
KSDF LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLEDE

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 371209.00N/0844030.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	SE		WP	156.91	336.91	R	15	10000	20000	28	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	363212.00N/0841927.00W	2592	4E

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 - LEG LENGTH 15NM REQUESTED BY ATC

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MAUDD (RNAV)		1	KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PGSUS

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375823.03N/0853930.25W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	LOUISVILLE	I-JJM	LOC		168.91	164.91	13.39	13.41		4000	5000
2	LOUISVILLE	IIU	VORTAC	H	205.18	206.18		8.71		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-JJM	LOC	BRG-169	14	4000	5000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-JJM DME LAT/LONG: 381120.40N/0854351.64W.
ESV IS FOR I-JJM GLIDESLOPE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 168.92/164.92.
REMARKS: UPDATED I-JJM DME LAT/LONG FROM 381120.41N/0854351.64W.

DEVELOPED BY: DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PODNE

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 371835.00N/0842909.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	SE		WP	136.09	316.09	R	15	10000	20000	28	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-000208)	371003.00N/0844930.00W	2525	5E

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 - LEG LENGTH 15NM REQUESTED BY ATC

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MAUDD (RNAV)		1	KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: QARRY

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 382552.21N/0854224.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY:

DATE: 06/10/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY:

DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RDBRD

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375426.53N/0853924.36W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-RLI	LOC		169.40	165.40	17.37	17.39		5000	6000
2	LOUISVILLE	IIU	VORTAC	H	196.77	197.77		12.34		5000	6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-RLI DME COORDINATES: 381117.19N-0854453.51W
I-RLI (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

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

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 169.39/165.39.
REMARKS: UPDATED I-RLI DME LAT/LONG FROM 381117.18N-0854453.38W

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MGR

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: STYKR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381753.66N/0853931.88W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

RNAV (RNP) Z RWY 17L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 17R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DLAMP (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: TUKKR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375348.71N/0851719.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY: **DATE:** 06/30/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY: **DATE:** 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: UNCKL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 372852.88N/0844258.79W

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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	IIU	VORTAC	H	131.05	132.05	55.38	55.38		8000	45000
2	BOWLING GREEN	BWG	VORTAC	H	065.68	067.68		89.16		8000	45000
3	LONDON	LOZ	VOR/DME	L	315.95	312.95	39.56	39.56		3300	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IIU	VORTAC	R-131	56	8000	15300
BWG	VORTAC	R-066	90	8000	15100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LONDON (FAC 3) USED TO ESTABLISH FIX COORDINATES
DO NOT CHART FAC 1 AND 2 ON ENROUTE LOW.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J6	1, 2				(US)
EN ROUTE	V310	2, 3				(US)
STAR	DARBY	1, 2, 3	KSDF		LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)		KSDF		LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FAC 3 FROM LONDON VORTAC TO LONDON VOR/DME.

DEVELOPED BY:

DATE: 02/16/2016

OFFICE: AJV-5431

NAME: JOHNNIE BAKER (CHRISTINE BAYSE)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UPSCO

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380145.69N/0854039.09W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-JJM	LOC		168.91	164.91	9.90	9.92		3000	5000
2	LOUISVILLE	IJU	VORTAC	H	225.91	226.91		6.50		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-JJM DME LAT/LONG: 381120.40N/0854351.64W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35 R (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 168.92/164.92.
REMARKS: UPDATED I-JJM DME LAT/LONG FROM 381120.41N/0854351.64W.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VILLL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380236.83N/0852546.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MAUDD (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VOLUNTEER VORTAC

STATE: TN

COUNTRY: US

LATITUDE/LONGITUDE: 355417.42N/0835341.02W

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	VOLUNTEER	VXV	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		WP	056.00	236.00	L		4	4000	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 (47-002363)	355944.40N/0835723.30W	2849	1A

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 5L	KTYS	KNOXVILLE	TN (US)
1	RNAV (GPS) RWY 5R	KTYS	KNOXVILLE	TN (US)

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FEDRA (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	BOBCAT			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	BOBCAT			KCLT	CHARLOTTE	NC (US)
DP	ZAVER (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	BOBCAT			KJQF	CONCORD	NC (US)
DP	BOBCAT			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	BOBCAT			KIPJ	LINCOLNTON	NC (US)
DP	BOBCAT			KEQY	MONROE	NC (US)
DP	BOBCAT			KRUQ	SALISBURY	NC (US)
DP	BOBCAT			KLKR	LANCASTER	SC (US)
DP	BOBCAT			KUZA	ROCK HILL	SC (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	TAKE-OFF MINIMUMS			KJAU	JACKSBORO	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	TAKE-OFF MINIMUMS			KGKT	SEVIERVILLE	TN (US)
EN ROUTE	J22					(US)
EN ROUTE	J43					(US)
EN ROUTE	J46					(US)
EN ROUTE	J91					(US)
EN ROUTE	J99					(US)
EN ROUTE	V115					(US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V185					(US)
EN ROUTE	V267					(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/DME-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/DME OR TACAN RWY 23R			KTYS	KNOXVILLE	TN (US)
IAP	HI-VOR/DME OR TACAN RWY 5L			KTYS	KNOXVILLE	TN (US)

QUALITY
2
CHECKED

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	RNAV (GPS) RWY 5L	1	KTYS	KNOXVILLE	TN (US)
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	WHINZ		KATL	ATLANTA	GA (US)
STAR	AWSON		KFTY	ATLANTA	GA (US)
STAR	AWSON		KPDK	ATLANTA	GA (US)
STAR	AWSON		KRYV	ATLANTA	GA (US)
STAR	AWSON		KMGE	MARIETTA	GA (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	HARDU		KCVG	COVINGTON	KY (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		KN52	WAXHAW	NC (US)
STAR	HARDU		KHAO	HAMILTON	OH (US)
STAR	LIINN		KDCM	CHESTER	SC (US)
STAR	UNMAN (RNAV)		KGMU	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)		KGYH	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)		KGSP	GREER	SC (US)
STAR	LIINN		KLKR	LANCASTER	SC (US)
STAR	UNMAN (RNAV)		KLQK	PICKENS	SC (US)
STAR	LIINN		KUZA	ROCK HILL	SC (US)
STAR	UNMAN (RNAV)		KSPA	SPARTANBURG	SC (US)
STAR	VOLLS		KMBT	MURFREESBORO	TN (US)
STAR	SWFFT (RNAV)		KBNA	NASHVILLE	TN (US)
STAR	VOLLS		KBNA	NASHVILLE	TN (US)
STAR	VOLLS		KJWN	NASHVILLE	TN (US)
STAR	VOLLS		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

DELETED KATL SUMMT SID, MAUDD (RNAV) STAR AND ZELAN SPECIAL SID FROM FIX USE.

DEVELOPED BY: **DATE:** 02/03/2016 **OFFICE:** AJV-5411 **NAME:** BRIAN SHAFFER

APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: TYS APP CON, CLT APP CON
OTHER:

QUALITY
2
CHECKED