

RADIO FIX AND HOLDING DATA RECORD

NAME: ALENN

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 375735.09N/0873953.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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: BNETT

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380304.00N/0854857.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (RNP) Z RWY 35L

RNAV (RNP) Z RWY 35R

FAC

PAT

AIRPORT IDENT

KSDF

KSDF

CITY

LOUISVILLE

LOUISVILLE

STATE

KY (US)

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 DAMEN (RNAV) STAR AND FRIZN (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/24/2016

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/SDF

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BRBON

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375009.94N/0853800.33W

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	MRA	MAA
1	LOUISVILLE	I-RLI	LOC/DME		169.39	165.39	21.79	21.80	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

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RLI	LOC/DME	R-169	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 PATTERNS.

REMARKS:

LOUISVILLE (FAC 3) AND LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
 I-RLI DME COORDINATES: 381117.18N / 0854453.38W
 KSDF RWY 35L DISPLACED THRESHOLD COORDINATES: 380929.40N / 0854421.37W
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V5-513					(US)
IAP	ILS OR LOC RWY 35L	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35R	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT III)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R		2	KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/29/2014

REASON FOR REVISION:

FAC 1 & 3 RESTORED FROM HISTORY.

DEVELOPED BY: DATE: 10/17/2013

OFFICE: AJV-352

NAME: HOWARD HAWKINS

APPROVED BY: DATE: 05/29/2014

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZID

QUALITY
 2
 CHECKED

ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MANAGER

INFO ONLY

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CAESR

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 380740.30N/0855718.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
DAMEN (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

LAT/LONG: MOVED 0.40NM WSW.

DEVELOPED BY:

DATE: 02/25/2016

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/SDF
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHERI

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381348.75N/0863053.65W

TYPE: WP, INT, DME

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	LOUISVILLE	IIU	VORTAC	H	279.01	280.01	45.00	45.00	2700	17500
2	MYSTIC	MYS	VOR	L	328.63	327.63		23.88	2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IIU	VORTAC	R-279	45	2700	15200

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	W	IIU	VORTAC	279.00	099.00	L	1-1 1/2	3000	17500	8	15
2	W		WP	282.42	102.42	L	10	6000	18000	16	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (15-0927)	381006.00N/0863057.00W	1168	
2	265	TOWER (18-000560)	382207.00N/0862325.00W	1229	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 REQUESTED BY ATC
PAT 1 REQUESTED BY ATC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V512	1, 2	1			(US)
STAR	CHERI	1, 2	1	KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)		2	KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: ADDED PAT 2 TO DAMEN (RNAV) STAR.

DEVELOPED BY:

DATE: 02/25/2016

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: LOUISVILLE APCH

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COBLR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381222.09N/0855154.62W

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 DAMEN (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/25/2016

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/SDF

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COORN

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380606.36N/0854630.09W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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: CURNL

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381526.75N/0855302.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
DAMEN (RNAV)
MBELL (RNAV)

FAC PAT

AIRPORT IDENT
KSD
KSD

CITY
LOUISVILLE
LOUISVILLE

STATE
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

NAME: DAAVE

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 382456.27N/0890311.20W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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: ZKC
ATC FACILITY: SDF APP CON
OTHER: ZID

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: DAMEN

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381024.14N/0860513.01W

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	279.01	280.01	24.48	24.48	2700	17500
2	MYSTIC	MYS	VOR	L	025.00	024.00		18.33	2700	17500
3	BOWMAN	BQM	VOR/DME	T	264.45	260.45	20.26	20.26	4000	12500

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	W	IIU	VORTAC	279.01	099.01	R	1-1 1/2	2700 17500	5 17
2	W	WP	WP	279.00	099.00	R	5	2700 17500	5 17
3	E	BQM	VOR/DME	264.45	264.45	L	1-1 1/2	4000 12500	5 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001409)	381237.25N/0860448.89W	1127	5D
2	200	TOWER (18-001409)	381237.25N/0860448.89W	1127	5D
3	200	COMMUNICATION TWR (KSDF000931)	381025.03N/0855448.19W	1359	3D

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

LOUISVILLE (FAC 1) AND MYSTIC (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	V512	1, 2				(US)
IAP	ILS OR LOC RWY 17R (ALT MA)	2, 3	3	KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35L	1, 2, 3	1, 3	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II & III)	1, 2, 3	1, 3	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (SA CAT I)	1, 2, 3	1, 3	KSDF	LOUISVILLE	KY (US)
IAP	LOC RWY 29	1, 2	1	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) RWY 29		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L		2	KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 07/23/2015

REASON FOR REVISION:

ADDED BQM VOR/DME AS FAC 3.
ADDED HOLD PAT 3 AND CONTROLLING OBSTACLE.
ADDED FIX ESTABLISHMENT REMARK.
UPDATED FIX USE.

DEVELOPED BY: DATE: 08/22/2014

OFFICE: AJV-352

NAME: DAN POWELL

APPROVED BY: DATE: 06/03/2015

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CENTRALIA VORTAC

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 382512.00N/0890932.39W

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	MAA
1	CENTRALIA	ENL	VORTAC	H					45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	ENL	VORTAC	206.96	026.96	R	1		2100	6000	4	5
2	W		WP	267.00	087.00	R		10	18000	45000	17	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (17-002823)	382407.00N/0890808.00W	1035	2C
1	200	TOWER (17-002823)	382407.00N/0890808.00W	1035	2C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
EN ROUTE	J71					(US)
EN ROUTE	V234					(US)
EN ROUTE	V313					(US)
EN ROUTE	V4					(US)
EN ROUTE	V44					(US)
EN ROUTE	V67					(US)
EN ROUTE	V72					(US)
IAP	ILS OR LOC RWY 32R			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 14L			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 32L			KBLV	BELLEVILLE	IL (US)
IAP	RADAR-1	1		KBLV	BELLEVILLE	IL (US)
IAP	TACAN-A	1		KBLV	BELLEVILLE	IL (US)
IAP	RNAV (GPS) RWY 18			KH96	BENTON	IL (US)
IAP	ILS OR LOC RWY 30L			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	ILS OR LOC RWY 18L			KMDH	CARBONDALE/MURPHYSBORO	IL (US)
IAP	NDB RWY 18L			KMDH	CARBONDALE/MURPHYSBORO	IL (US)
IAP	VOR-A		1	KENL	CENTRALIA	IL (US)
IAP	NDB RWY 9			KFWC	FAIRFIELD	IL (US)
IAP	RNAV (GPS) RWY 36			KGRE	GREENVILLE	IL (US)
IAP	ILS OR LOC RWY 20			KMWA	MARION	IL (US)
IAP	NDB RWY 20			KMWA	MARION	IL (US)
IAP	ILS OR LOC RWY 23		1	KMVN	MOUNT VERNON	IL (US)
IAP	RNAV (GPS) RWY 23			KMVN	MOUNT VERNON	IL (US)
IAP	VOR RWY 23			KMVN	MOUNT VERNON	IL (US)
IAP	VOR RWY 5			KMVN	MOUNT VERNON	IL (US)
IAP	LOC RWY 11			KOLY	OLNEY/NOBLE	IL (US)
IAP	NDB RWY 18			KSLO	SALEM	IL (US)
IAP	RNAV (GPS)-A			K3K6	ST JACOB	IL (US)
IAP	RNAV (GPS) RWY 36			KVLA	VANDALIA	IL (US)
STAR	CENTRALIA (RNAV)			KBLV	BELLEVILLE	IL (US)

QUALITY
2
CHECKED

STAR	SARGO (RNAV)	2	KCVG	COVINGTON	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	VANDALIA		KSTL	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

INFO ONLY

RECORD REVISION NUMBER: 16

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

ADD FIX USE: ADDED RNAV (GPS) RWY 36 TO KGRE; DELETED DAMEN (RNAV) STAR.

DEVELOPED BY: **DATE:** 01/20/2016 **OFFICE:** AJV-5422 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZKC
 ATC FACILITY:
 OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: HAUGN

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380911.74N/0855044.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR	DAMEN (RNAV)
STAR	FRIZN (RNAV)
STAR	MBELL (RNAV)

FAC PAT

AIRPORT IDENT	CITY
KSDF	LOUISVILLE
KSDF	LOUISVILLE
KSDF	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: 06/07/2011

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/SDF
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

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; ADDED "(RNAV)" TO DAMEN 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/ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAYVO

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 392626.98N/0871342.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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:** 02/24/2016

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: 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: LEWSS

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380129.42N/0854720.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
DAMEN (RNAV)
FRIZN (RNAV)

FAC PAT

AIRPORT IDENT
KSD
KSD

CITY
LOUISVILLE
LOUISVILLE

STATE
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: PENTO

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381943.31N/0871716.73W

TYPE: WP, 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	CENTRALIA	ENL	VORTAC	H	088.97	092.97	88.45	88.45		13000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENL	VORTAC	R-089	89	13000	15100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

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

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/26/2012

REASON FOR REVISION:

ADDED WP TO FIX TYPE.
ADDED ENL ESV DATA.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 06/07/2011

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:
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POCKET CITY VORTAC

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 375541.95N/0874544.56W

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	FAC FEET	MRA	MAA
1	POCKET CITY	PXV	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	NW	PXV	VORTAC	330.20	150.20	R	1		2100	14000	4	10
2	SW	PXV	VORTAC	237.00	057.00	R	1		2500	14000	4	10
3	NW	WP	WP	302.18	122.18	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (21-000029)	375155.00N/0873405.00W	1449	2C
1	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
2	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
3	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED ON AIRWAY RADIALS AT OR ABOVE 2500.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	HOOSIER			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER			KHFX	INDIANAPOLIS	IN (US)
DP	HOOSIER			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER			KGEZ	SHELBYVILLE	IN (US)
DP	APALO (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)
DP	LUFKIN			KT41	LA PORTE	TX (US)
EN ROUTE	J131					(US)
EN ROUTE	J29					(US)
EN ROUTE	J73					(US)
EN ROUTE	J78					(US)
EN ROUTE	Q25					(US)
EN ROUTE	Q28					(US)
EN ROUTE	Q29					(US)
EN ROUTE	Q31					(US)
EN ROUTE	V11					(US)
EN ROUTE	V190					(US)
EN ROUTE	V305					(US)

QUALITY
2
CHECKED

EN ROUTE	V4			(US)
EN ROUTE	V47			(US)
EN ROUTE	V512			(US)
EN ROUTE	V52			(US)
EN ROUTE	V7			(US)
EN ROUTE	J112			IL (US)
IAP	NDB RWY 9		KFWC	FAIRFIELD
IAP	ILS OR LOC RWY 23		KMVN	MOUNT VERNON
IAP	ILS OR LOC RWY 22	2	KEVV	EVANSVILLE
IAP	ILS OR LOC RWY 4	2	KEVV	EVANSVILLE
IAP	NDB RWY 22		KEVV	EVANSVILLE
IAP	RADAR-1	2	KEVV	EVANSVILLE
IAP	RNAV (GPS) RWY 22		KEVV	EVANSVILLE
IAP	RNAV (GPS) RWY 4	3	KEVV	EVANSVILLE
IAP	VOR RWY 4	2	KEVV	EVANSVILLE
IAP	RNAV (GPS) RWY 8		KFRH	FRENCH LICK
IAP	VOR-A	1	KEHR	HENDERSON
IAP	ILS OR LOC RWY 36		KOWB	OWENSBORO
IAP	VOR RWY 18		KOWB	OWENSBORO
IAP	VOR RWY 36		KOWB	OWENSBORO
IAP	VOR RWY 6		KOWB	OWENSBORO
STAR	RACYR		KEYE	INDIANAPOLIS
STAR	RACYR		KHFY	INDIANAPOLIS
STAR	RACYR		KIND	INDIANAPOLIS
STAR	RACYR		KMQJ	INDIANAPOLIS
STAR	RACYR		KTYQ	INDIANAPOLIS
STAR	RACYR		KUMP	INDIANAPOLIS
STAR	CHERI		KJVV	JEFFERSONVILLE
STAR	SARGO (RNAV)		KCVG	COVINGTON
STAR	CHERI		KFTK	FORT KNOX
STAR	CHERI		KLOU	LOUISVILLE
STAR	CHERI		KSDF	LOUISVILLE
STAR	BOOSH (RNAV)		KSTL	ST LOUIS
STAR	QBALL		KSTL	ST LOUIS
STAR	ZABER		KBKL	CLEVELAND
STAR	ZABER		KCGF	CLEVELAND
STAR	ZABER		KCLE	CLEVELAND
STAR	GAILL (RNAV)		KCMH	COLUMBUS
STAR	GAILL (RNAV)		KLCK	COLUMBUS
STAR	GAILL (RNAV)		KOSU	COLUMBUS
STAR	GAILL (RNAV)		KTZR	COLUMBUS
STAR	ZABER		K1G1	ELYRIA
STAR	GAILL (RNAV)		KLHQ	LANCASTER
STAR	ZABER		KLPR	LORAIN/ELYRIA
STAR	ZABER		K1G5	MEDINA
STAR	ZABER		K7G8	MIDDLEFIELD
STAR	GAILL (RNAV)		KVTA	NEWARK
STAR	ZABER		K2G1	PAINESVILLE
STAR	ZABER		KLNN	WILLOUGHBY
STAR	BLUZZ (RNAV)		KMEM	MEMPHIS
STAR	WLDER		KMEM	MEMPHIS
STAR	HEHAW		KMBT	MURFREESBORO
STAR	HEHAW		KBNA	NASHVILLE
STAR	HEHAW		KJWN	NASHVILLE
STAR	HEHAW		KMQY	SMYRNA

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED KEECH DP AND DAMEN (RNAV) 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: CEN

ARTCC: ZID, KC, ZME

ATC FACILITY: EVV ATCT, CVG APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: REDLG

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 390531.00N/0870438.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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

INFO ONLY

NAME: SACKO

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381526.16N/0864325.83W

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	FAC FEET	MRA	MAA
1	LOUISVILLE	IIU	VORTAC	H	279.00	280.00	55.01	55.01		2700	17500
2	HOOSIER	OOM	VORTAC	L	187.63	185.63		53.39		3500	17500
3	POCKET CITY	PXV	VORTAC	H	064.84	067.84	52.99	52.99		3500	17500
4	OWENSBORO	OWB	VOR/DME	T	038.12	034.12		37.25		2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IIU	VORTAC	R-279	56	2700	15200
OWB	VOR/DME	R-038	38	2700	17500
PXV	VORTAC	R-065	53	3500	17500
OOM	VORTAC	R-188	54	3500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOUISVILLE (FAC 1) AND POCKET CITY (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V512	1, 2, 3, 4				(US)
IAP	RNAV (GPS) RWY 13			KTEL	TELL CITY	IN (US)
STAR	CHERI	1, 3, 4		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 07/24/2014

REASON FOR REVISION:

DELETED FAC 5 (ABB) FROM FIX MAKE-UP.
CHANGED ORDER OF FACILITIES IN FIX MAKE-UP.
DELETED (ABB) ESV.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 03/03/2014

OFFICE: AJV-354

NAME: MARY LYNNE HOEGSTROM

APPROVED BY:

DATE: 07/24/2014

OFFICE: AJV-354

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

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

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SCARY

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 382020.33N/0855426.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

DAMEN (RNAV)

MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF

KSDF

CITY

LOUISVILLE

LOUISVILLE

STATE

KY (US)

KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY:

DATE: 06/08/2011

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/SDF

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SCHMT

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 384103.95N/0865423.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DAMEN (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: 02/24/2016

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: SQWRL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380136.14N/0853157.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR
STAR

USE TITLE
DAMEN (RNAV)
MBELL (RNAV)

FAC PAT

AIRPORT IDENT
KSD F
KSD F

CITY
LOUISVILLE
LOUISVILLE

STATE
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

NAME: STUGZ

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380553.50N/0854942.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE

RNAV (RNP) Z RWY 35L
RNAV (RNP) Z RWY 35R

FAC

PAT

AIRPORT IDENT

KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE

STATE

KY (US)
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 DAMEN (RNAV) STAR AND FRIZN (RNAV) STAR.
REQUIRED CHARTING: REMOVED 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/SDF
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TERRE HAUTE VORTAC

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 392920.19N/0871456.45W

TYPE:

AIRSPACE DOCKET: 13-AGL-08

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	TERRE HAUTE	TTH	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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	TTH	VORTAC	049.00	229.00	R	1		2300	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (18-000269)	391433.00N/0872329.00W	1549	5D
1	200	TOWER (18-001906)	393223.56N/0870719.76W	993	2C
1	310	TOWER (18-000890)	393014.00N/0872637.00W	1249	3C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RADAR-1	KHUF	TERRE HAUTE	IN (US)

REMARKS:

PAT 1 EVALUATED AT 265 KTS FOR CAT E MINIMUMS ON LOC BC RWY 23 AT KHUF.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KPCS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFX	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFX	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	T325					(US)
EN ROUTE	V14					(US)
EN ROUTE	V171					(US)
EN ROUTE	V192					(US)
EN ROUTE	V50					(US)
EN ROUTE	V7					(US)
IAP	RNAV (GPS) RWY 22			K1H8	CASEY	IL (US)
IAP	RNAV (GPS) RWY 27			KPRG	PARIS	IL (US)
IAP	VOR/DME-A			KPRG	PARIS	IL (US)
IAP	RNAV (GPS) RWY 27			K012	BRAZIL	IN (US)
IAP	VOR OR GPS RWY 9			K012	BRAZIL	IN (US)
IAP	RNAV (GPS) RWY 36			K417	GREENCASTLE	IN (US)
IAP	ILS OR LOC RWY 23R			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5L			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT II)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT III)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (SA CAT I)			KIND	INDIANAPOLIS	IN (US)
IAP	NDB RWY 36			KSIV	SULLIVAN	IN (US)
IAP	VOR OR GPS-A			K313	TERRE HAUTE	IN (US)
IAP	ILS OR LOC RWY 5		1	KHUF	TERRE HAUTE	IN (US)
IAP	LOC BC RWY 23		1	KHUF	TERRE HAUTE	IN (US)

IAP	RADAR-1	1	KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 23		KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 5		KHUF	TERRE HAUTE	IN (US)
IAP	VOR RWY 23	1	KHUF	TERRE HAUTE	IN (US)
IAP	VOR/DME RWY 5		KHUF	TERRE HAUTE	IN (US)
STAR	RACYR		KEYE	INDIANAPOLIS	IN (US)
STAR	RACYR		KHFX	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KMQJ	INDIANAPOLIS	IN (US)
STAR	RACYR		KTYQ	INDIANAPOLIS	IN (US)
STAR	RACYR		KUMP	INDIANAPOLIS	IN (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		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: 16

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

PATTERNS: DELETED PAT 2.

REMARKS: DELETED "PAT 2 - 10 NM LEGS REQUESTED BY ATC FOR RNAV STAR HOLDING."

FIX USE: ADDED DAWN DP, HEHAW STAR SATELLITE AIRPORTS, RACYR STAR SATELLITE AIRPORTS, NASHVILLE DP AND KIND - ILS RWY 5L (SA CAT I); CORRECTED K313 - VOR OR GPS-A; DELETED K313 - VOR-B, DAMEN (RNAV) STAR AND FRIZN (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: CEN
ARTCC: ZID
ATC FACILITY: HUF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YUNDV

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381517.14N/0855251.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (RNP) Z RWY 17L
RNAV (RNP) Z RWY 17R

FAC PAT

AIRPORT IDENT
KSDF
KSDF

CITY
LOUISVILLE
LOUISVILLE

STATE
KY (US)
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 DAMEN (RNAV) STAR AND MBELL (RNAV) STAR.
REQUIRED CHARTING: REMOVED 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/SDF
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZARDA

STATE: IL

COUNTRY: US

LATITUDE/LONGITUDE: 382238.06N/0881223.33W

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	FAC FEET	MRA	MAA
1	CENTRALIA	ENL	VORTAC	H	088.97	092.97	45.00	45.00		13000	17500
2	BIBLE GROVE	BIB	VORTAC	L	155.23	158.23		35.03		13000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENL	VORTAC	R-089	45	13000	15000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CENTRALIA (FAC 1) AND BIBLE GROVE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CHERI	1, 2		KJVY	JEFFERSONVILLE	IN (US)
STAR	CHERI	1, 2		KFTK	FORT KNOX	KY (US)
STAR	CHERI	1, 2		KLOU	LOUISVILLE	KY (US)
STAR	CHERI	1, 2		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: ADDED CHERI STAR SATELLITE AIRPORTS.

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: ZKC
ATC FACILITY:
OTHER:

QUALITY
2
CHECKED