US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SPYRS (IF)	BLGRS (TF) (FB) (RNP 0.50)	168.37 / 3.49	3000
BLGRS	CHRCL (TF) (FB) (RNP 0.50)	168.38 / 2.28	2500
KAEDN (IF)	STYKR (TF) (FB) (RNP 1.00)	347.34 / 3.01	5000
STYKR	WONEM (RF) (FB) (RNP 1.00)	(2.81 NM RADIUS CCW (CFBCC))/3.78	3900
WONEM	ANEZO (TF) (FB) (RNP 1.00)	270.18 / .84	3700
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 168.40 TO TEYUD RIGHT TURN TO JIPAD AND ON TRACK 290.31 TO NADDI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHRCL
3. FAC: 168.39 FAF: ____ DIST FAF TO MAP: 6.17 THLD: ____
4. MIN. ALT: CHRCL 2500
5. DIST TO THLD FROM OM: 6.17 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: CHRCL 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 49.7# 34:1 IS NOT CLEAR
8. MSA FROM: RW17R 3600

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 083.89 INBOUND.
CHART FAS OBST: 560 TREE 381139N/0854455W

ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
DISTANCE TO THLD FROM 340 HATH: 0.91 NM.
CHART MANDATORY 5000 AT STYKR.
CHART MANDATORY 4000 AT YUNDV.
#TCH 535.2 MSL (DO NOT CHART)
CHART MINIMUM 4000 AT COBLR.
CHART MINIMUM 5000 AT KAEDN.
CHART MINIMUM 4000 AT ALANB.
CHART LOC RWY RWY 17L

MAG VAR: 3W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.10 DA	826	4000	340	826	4000	340	826	4000	340	826	4000	340			
RNP 0.30 DA	981	6000	495	981	6000	495	981	6000	495	981	6000	495			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 37C (98F).
CHART NOTE: RF REQUIRED.
CHART NOTE: GPS REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 501 THRE: 486 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	LOUISVILLE INTL-STANDIFORD FIELD		RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] AMGR, SDF ATCT, SDF APP CON

FLIGHT CHECKED BY			
NAME: THOMAS H. DORMAN		FIFO AVN	DATE: 05/16/2012
DEVELOPED BY			
NAME: DONALD E. SMITH (CHRISTOPHER COX)		FIFO AJV-352	DATE: 08/22/2011
APPROVED BY			
NAME: DARRYEL ADAMS	MANAGER	FIFO AJV-352	DATE: 05/25/2012

CHANGES:

REASONS:

06/11/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/25/2012.
1. DELETED FAS OBSTACLE 650 ARCH FROM 8260-3 AND 9.

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANEZO	CHRCL (RF) (FB) (RNP 1.00)	(2.27 NM RADIUS CCW (CFBCF))/4.03	2500
ALANB (IF)	CIKCA (TF) (FB) (RNP 1.00)	078.34 / 4.00	3600
COBLR (IF)	YUNDV (TF) (FB) (RNP 1.00)	348.52 / 3.01	4000
YUNDV	CIKCA (RF) (FB) (RNP 1.00)	(2.78 NM RADIUS CW (CFBCB))/4.36	3600
CIKCA	CHRCL (RF) (FB) (RNP 1.00)	(2.25 NM RADIUS CW (CFBCD))/3.53	2500
CHRCL (FAF)	RW17R (MAP) (TF) (FO)	168.39 / 6.17	
DA (MAP)	TEYUD (TF) (FB) (RNP 1.00)	168.40 / 6.03	
TEYUD	JIPAD (RF) (FB) (RNP 1.00)	(4.30 NM RADIUS CW (CFBCG)) / 9.15	
JIPAD	NADDI (TF) (FO) (RNP 1.00)	290.31 / 13.14	3000

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 1/8 MILES AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 MILES.
CHART PLANVIEW NOTE AT YUNDV: MAX 220 KIAS.
CHART PLANVIEW NOTE AT STYKR: MAX 220 KIAS.
CHART PLANVIEW NOTE AT ANEZO: MAX 200 KIAS.
CHART PLANVIEW NOTE AT CIKCA: MAX 200 KIAS.
CHART PLANVIEW NOTE ADJACENT TO ALANB: RADAR REQUIRED.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L, EXCEPT FOR ARRIVALS AT KAEDN, ALANB, AND COBLR.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART PLANVIEW NOTE AT SPYRS: (RNP 0.50)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 501 THRE: 486	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALANB K50    W     N38173962W085551552                    W0043     NAR           ALANB
        SUSAEAENRT   ANEZO K50    W     N38195410W085441263                    W0045     NAR           ANEZO
        SUSAEAENRT   BLGRS K50    C     N38191628W085473524                    W0044     NAR           BLGRS
        SUSAEAENRT   CFBCB K50    W     N38155892W085492715                    W0044     NAR           CNF(CFBCB)
        SUSAEAENRT   CFBCC K50    W     N38170818W085425791                    W0045     NAR           CNF(CFBCC)
        SUSAEAENRT   CFBCD K50    W     N38162955W085493725                    W0044     NAR           CNF(CFBCD)
        SUSAEAENRT   CFBCF K50    W     N38173801W085440406                    W0045     NAR           CNF(CFBCF)
        SUSAEAENRT   CFBCG K50    W     N38040929W085481358                    W0044     NAR           CNF(CFBCG)
        SUSAEAENRT   CHRCL K50    C     N38170367W085465136                    W0044     NAR           CHRCL
        SUSAEAENRT   CIKCA K50    W     N38184032W085502052                    W0044     NAR           CIKCA
        SUSAEAENRT   COBLR K50    W     N38122209W085515462                    W0044     NAR           COBLR
        SUSAEAENRT   JIPAD K50    W     N38000273W085495086                    W0044     NAR           JIPAD
        SUSAEAENRT   KAEDN K50    W     N38145968W085382999                    W0045     NAR           KAEDN
        SUSAEAENRT   NADDI K50    C   L N38035650W086054390                    W0042     NAR           NADDI
        SUSAEAENRT   SPYRS K50    C     N38223930W085484251                    W0044     NAR           SPYRS
        SUSAEAENRT   STYKR K50    W     N38175366W085393188                    W0045     NAR           STYKR
        SUSAEAENRT   TEYUD K50    W     N38051452W085425742                    W0045     NAR           TEYUD
        SUSAEAENRT   WONEM K50    W     N38195660W085430845                    W0045     NAR           WONEM
        SUSAEAENRT   YUNDV K50    W     N38151714W085525195                    W0044     NAR           YUNDV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSDFK5ASDF     0     118YHN38102671W085441140W003000501         1800018000C    MNAR    LOUISVILLE INTL-STANDIFORD FIE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSDFK5FH17RZ AALANB 010ALANBK5EA0E  B    IF                                  + 04000     18000                A FS
        SUSAP KSDFK5FH17RZ AALANB 020CIKCAK5EA0E    010TF                                  + 03600         200              A-FS
        SUSAP KSDFK5FH17RZ AALANB 030CHRCLK5EA0EE  R010RF       0022500783    16840035    + 02500                CFBCD K5EAA FS
        SUSAP KSDFK5FH17RZ ACOBLR 010COBLRK5EA0E  B    IF                                  + 04000     18000                A FS
        SUSAP KSDFK5FH17RZ ACOBLR 020YUNDVK5EA0E    010TF                                    04000         220              A-FS
        SUSAP KSDFK5FH17RZ ACOBLR 030CIKCAK5EA0E   R010RF       0027803485    07830044    + 03600         200    CFBCB K5EAA-FS
        SUSAP KSDFK5FH17RZ ACOBLR 040CHRCLK5EA0EE  R010RF       0022500783    16840035    + 02500                CFBCD K5EAA FS
        SUSAP KSDFK5FH17RZ AKAEDN 010KAEDNK5EA0E  B    IF                                  + 05000     18000                A FS
        SUSAP KSDFK5FH17RZ AKAEDN 020STYKRK5EA0E    010TF                                    05000         220              A-FS
        SUSAP KSDFK5FH17RZ AKAEDN 030WONEMK5EA0E   L010RF       0028103473    27020038    + 03900                CFBCC K5EAA FS
        SUSAP KSDFK5FH17RZ AKAEDN 040ANEZOK5EA0E    010TF                                  + 03700         200              A-FS
        SUSAP KSDFK5FH17RZ AKAEDN 050CHRCLK5EA0EE  L010RF       0022702702    16840040    + 02500                CFBCF K5EAA FS
        SUSAP KSDFK5FH17RZ ASPYRS 010SPYRSK5EA0E  B    IF                                              18000                A FS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 501 THRE: 486	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
        SUSAP KSDFK5FH17RZ ASPYRS 020BLGRSK5EA0E    051TF                                  + 03000                          A FS
        SUSAP KSDFK5FH17RZ ASPYRS 030CHRCLK5EA0EE   051TF                                  + 02500                          A FS
        SUSAP KSDFK5FH17RZ H      020CHRCLK5EA1E  F    IF                                  + 02500     18000       RW17R K5PGA FS
        SUSAP KSDFK5FH17RZ H      020CHRCLK5EA2W                                                A031A011                      FS
        SUSAP KSDFK5FH17RZ H      030RW17RK5PG0GY M 031TF                                    00535             -300          A FS
        SUSAP KSDFK5FH17RZ H      040TEYUDK5EA0E M  010TF                                                                    A FS
        SUSAP KSDFK5FH17RZ H      050JIPADK5EA0E   R010RF       0043001684    29030092                          CFBCG K5EAA FS
        SUSAP KSDFK5FH17RZ H      060NADDIK5EA0EY   010TF                                  + 03000                          A FS
        SUSAP KSDFK5FH17RZ H      070NADDIK5EA0EE  L   HM                     08390040    + 03000                          A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSDFK5GRW17R   0118901684 N38110506W085445293-0200    +0114700486085050150IISNU1
```

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSDFK5SRW17RK5PG                0   18018003625                                                                    M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 501 THRE: 486	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALANB	ALANB	010		IF		FB				AA 04000	
	ALANB	CIKCA	020		TF		FB	1.0			AA 03600	AB 200
	ALANB	CHRCL	030		RF	R	FB	1.0		003.5	AA 02500	
	COBLR	COBLR	010		IF		FB				AA 04000	
	COBLR	YUNDV	020		TF		FB	1.0			AT 04000	AB 220
	COBLR	CIKCA	030		RF	R	FB	1.0		004.4	AA 03600	AB 200
	COBLR	CHRCL	040		RF	R	FB	1.0		003.5	AA 02500	
	KAEDN	KAEDN	010		IF		FB				AA 05000	
	KAEDN	STYKR	020		TF		FB	1.0			AT 05000	AB 220
	KAEDN	WONEM	030		RF	L	FB	1.0		003.8	AA 03900	
	KAEDN	ANEZO	040		TF		FB	1.0			AA 03700	AB 200
	KAEDN	CHRCL	050		RF	L	FB	1.0		004.0	AA 02500	
	SPYRS	SPYRS	010		IF		FB					
	SPYRS	BLGRS	020		TF		FB	0.5			AA 03000	
	SPYRS	CHRCL	030		TF		FB	0.5			AA 02500	
		CHRCL	020	FAF	IF		FB				AA 02500	
		RW17R	030	MAP	TF		FO	0.3			AT 00535	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	TEYUD	040		TF		FB	1.0				
	JIPAD	050		RF	R	FB	1.0		009.2		
	NADDI	060		TF		FO	1.0			AA 03000	
	NADDI	070		HM	L	FO		083.9(080.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALANB	N381739.62	W0855515.52	N3817.660	W08555.259
	ANEZO	N381954.10	W0854412.63	N3819.902	W08544.211
	BLGRS	N381916.28	W0854735.24	N3819.271	W08547.587
	CFBCB	N381558.92	W0854927.15	N3815.982	W08549.453
	CFBCC	N381708.18	W0854257.91	N3817.136	W08542.965
	CFBCD	N381629.55	W0854937.25	N3816.493	W08549.621
	CFBCF	N381738.01	W0854404.06	N3817.634	W08544.068
	CFBCG	N380409.29	W0854813.58	N3804.155	W08548.226
	CHRCL	N381703.67	W0854651.36	N3817.061	W08546.856
	CIKCA	N381840.32	W0855020.52	N3818.672	W08550.342
	COBLR	N381222.09	W0855154.62	N3812.368	W08551.910
	JIPAD	N380002.73	W0854950.86	N3800.046	W08549.848
	KAEDN	N381459.68	W0853829.99	N3814.995	W08538.500
	NADDI	N380356.50	W0860543.90	N3803.942	W08605.732
	SPYRS	N382239.30	W0854842.51	N3822.655	W08548.709

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 501 THRE: 486	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

STYKR	N381753.66	W0853931.88	N3817.894	W08539.531
TEYUD	N380514.52	W0854257.42	N3805.242	W08542.957
WONEM	N381956.60	W0854308.45	N3819.943	W08543.141
YUNDV	N381517.14	W0855251.95	N3815.286	W08552.866
RW17R	N381105.06	W0854452.93	N3811.084	W08544.882

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17R	00486	50

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 501 THRE: 486	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LOUISVILLE, KY	AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: (RNP 0.50)	SPYRS	BLGRS	1. TOWER (18-002261)	382208.44N/0854947.57W	1944 (2C)	500	AC20 AT536	3000
			2. TERRAIN	382203.00N/0854945.00W	998 (1000)		AS1500	2500
INTERMEDIATE: (RNP 0.50)	BLGRS	CHRCL	3. AAO	381921.00N/0854842.00W	693 (4E)	500	AC98 AT1209	2500
STEPDOWN			4. TERRAIN	381751.00N/0854821.00W	486 (500)		AS1500	2000
INTERMEDIATE: (RNP 1.00)	KAEDN	STYKR	5. AAO	381718.00N/0853706.00W	821 (4E)	500	AC98 AT3581	5000
			6. TERRAIN	381713.00N/0853712.00W	621 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	STYKR	WONEM	5. AAO	381718.00N/0853706.00W	821 (4E)	500	AC98 AT2481	3900
STEPDOWN			7. TERRAIN	381830.00N/0853718.00W	614 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	WONEM	ANEZO	8. TOWER (18-000176)	381858.00N/0854208.00W	765 (5E)	500	DG2310 AC125	3700
STEPDOWN			9. TERRAIN	382012.00N/0854206.00W	531 (500)		AS1500	2000
INTERMEDIATE: (RNP 1.00)	ANEZO	CHRCL	10. AAO	382039.00N/0854236.00W	729 (4E)	500	AC98 DG1173	2500
STEPDOWN			11. TERRAIN	381756.00N/0854845.00W	610 (600)		AS1500	2100
INTERMEDIATE: (RNP 1.00)	ALANB	CIKCA	12. TOWER (18-000597)	382010.00N/0855140.00W	1289 (3D)	500	DG1761 AC50	3600
			13. TERRAIN	382033.00N/0855118.00W	945 (900)		AS1500	2400
2. PROCEDURE TURN								
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

QUALITY CHECKED

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW17R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (21-001039)	046/ 22.3	2549 (5D)	3600					

CITY AND STATE	ELEVATION: 501 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LOUISVILLE, KY	LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SDF APP CON SDF TOWER IND ARTCC	N W S	OTHER: ASOS	SOURCE: KSDF
	F A A		DISTANCE:
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KSDF		ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 35R, 35L
		(S) SALS
	X	MALSR 17R, 29, 17L
	X	HIRL 35R, 11, 17R, 35L, 29, 17L
		MIRL
		REIL
	X	TDZ 35R, 17R, 35L, 17L
	X	C/L 35R, 17R, 35L, 17L
	X	OTHER (SPECIFY) PAPI-4R 17R PAPI-4L 35R, 35L, 17L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 35R, 11, 17R, 35L, 29, 17L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	35R, 17R, 35L, 29, 17L
	MIDFIELD	35R, 17R, 35L, 17L
	ROLL OUT	35R, 17R, 35L, 17L

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 485.5
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 49.7

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: 1

ORDER 8260.52, PARAGRAPH 2.3; INSUFFICIENT SEGMENT LENGTH BETWEEN WONEM AND ANEZO (MIN IS 2.00 NM WITH RNP 1.00, ACUTAL IS 0.84NM)

PART D - PREPARED BY: DONALD E. SMITH (CHRISTOPHER COX)	DATE: 08/22/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

ACTUAL HIGH TEMP: 37C (98F)

ISA DEVIATION USED: -28C (-18.4F)

VDP NOT ESTABLISHED - PROCEDURE IS RNP.

THRESHOLD DISPLACED 850 FT.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ACT: -14C/7F

2. ASOS ON SERVICE A. OTHER: TDWR
3. BACKUP ALTIMETER NOT REQUIRED DUE TO REDUNTANT LOCAL SOURCES.

KSDF ASOS ON SERVICE A/24 HOUR OPERATION

SEE ATTACHED AIRSPACE LETTER.

8260.52 TABLE 1-3 TAILWIND COMPONENT APPLIED TO ALL RF SEGMENTS EXCEPT STYKR TO WONEM WHERE 99TH PERCENTILE WINDS WERE APPLIED.

IAPA USED FOR PROCEDURE DEVELOPMENT.

RF TURN RADIUS/BANK ANGLE COMPUTATIONS:

CIKCA TO CHRCL, ALT: 3382.5, KIAS: 200, KTAS: 213.53, HAA: 2881.7, VKTW: 50, TR: 2.25NM, BA: 24.24D, DEG OF TRN: 90
CIKCA TO YUNDV, ALT: 4000, KIAS: 220, KTAS: 237.60, HAA: 3499.2, VKTW: 55.2, TR: 16873.00FT, BA: 24.22, DEG OF TRN: 89.88D
ANEZO TO CHRCL, ALT: 3781.54, KIAS: 200, KTAS: 215.13, HAA: 3280.74, VKTW: 52.81, TR: 13784FT, BA: 24.78, DEG OF TRN: 107.77D
STYKR TO WONEM, ALT: 5000, KIAS: 220, KTAS: 243.1, HAA: 4500, VKTW: 55.8, TR: 17058FT, BA: 24.77, DG OF TRN: 77.16

SPEED RESTRICTIONS:
AT YUNDV: 220 KIAS
AT CIKCA: 200 KIAS
AT STYKR: 220 KIAS
AT ANEZO: 200 KIAS
VGSI DATA: 3.00/75
THRESHOLD DISPLACED 850 FT

AVG VEG 100 FT

XP - AFTER THE PROCEDURE WAS DEVELOPED OBSTACLE 21-001900, #18, HAS BEEN DISMANTLED AND NO LONGER EXIST. DUE TO TIME CONSTRAINTS FOR PRB REVIEW, WE WILL NEED TO AMEND PRODCEDURE AFTER PUBLICATION.

SEE ATTACHED VEB SPREADSHEET

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1
541 POLE (KSDF0068) (20/3) 381124.08N/0854504.34W (3.48)
526 POLE (KSDF0065) (20/2) 381121.53N/0854455.41W (1.10)
516 POLE (KSDF0062) (20/3) 381118.29N/0854451.45W (2.77)
CONT.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: (RNP 1.00)	COBLR	YUNDV	14. AAO	381551.00N/0855506.00W	1067 (4E)	500	AC98 AT2335	4000
			15. TERRAIN	381436.00N/0855457.00W	821 (800)		AS1500	2300
INTERMEDIATE: (RNP 1.00)	YUNDV	CIKCA	12. TOWER (18-000597)	382010.00N/0855140.00W	1289 (3D)	500	DG1761 AC50	3600
STEPDOWN			13. TERRAIN	382033.00N/0855118.00W	945 (900)		AS1500	2400
INTERMEDIATE: (RNP 1.00)	CIKCA	CHRCL	12. TOWER (18-000597)	382010.00N/0855140.00W	1289 (3D)	500	VEB111 DG550 AC50	2500
STEPDOWN			16. TERRAIN	382048.00N/0855003.00W	896 (900)		AS1500	2400
FINAL: (RNP 0.10)	CHRCL	R17R	17. TREE (KSDF0071)	381139.22N/0854455.43W	560 (1A)	21.53:1	AC3 MA71	826/340
FINAL: (RNP 0.30)	CHRCL	R17R				ASC	XP45	981/495
MISSED APPROACH	DA	RW17R	19. ANT (KSDF0130)	381126.47N/0854522.43W	624 (1A)	ASC	AC3	
(RNP 0.10-1.00)								
MISSED APPROACH	DA	RW17R				ASC		
(RNP 0.30-1.00)								
MISSED APPROACH	RW17R	TEYUD				ASC		
(RNP 0.10-1.00)								

3. MISSED APPROACH	
MAP:	
ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LOUISVILLE, KY	ELEVATION: 501 AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SATISFACTORY ON:	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.
510 POLE (KSDF0061) (20/3) 38117.00N/0854450.54W (1.02)

495 ANT ON BLDG (KSDF0058) (20/3) 38112.10N/0854450.00W (0.44)

SPYRS TO BLGRS TO CHRCL 0.50 RNP TO LIMIT MIN LEG LENGTH RESTRICTION IF AIRCRAFT IS RADAR VECTORED TO SPYRS

RADAR VECTORS TO ALANB AND SPYRS LIMITED TO 30 DEGREES FROM RESPECTIVE COURSES.

SIMULTANEOUS OPERATIONS DIRECTED BY ATO, AJW-372, IAW 8260.19E.

AVERAGE LOW TEMP HISTORY -14C/7F UTILIZED FROM THE FOLLOWING TEMPERATURES: 2006-9F 2007-5F 2008-7F 2009-1F 2010-7F

AVERAGE HIGH TEMP HISTORY 37C/98F UTILIZED FROM THE FOLLOWING TEMPERATURE: 2006-94F 2007-105F 2008-97F 2009-92F 2010-102F

CONT.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
MISSED APPROACH	RW17R	TEYUD				ASC		
(RNP 0.30-1.00)								
MISSED APPROACH	TEYUD	JIPAD				ASC		
(RNP 1.00)								
MISSED APPROACH	JIPAD	NADDI				ASC		
(RNP 1.00)								

3. MISSED APPROACH									
	MAP:	DA / DA	NADDI				ASC		3000
				20. TOWER (21-000870)	380159.00N/0854516.00W	1349 (5E)	1000	AC60	2500
	ELEV:	582/656		21. TERRAIN	375851.00N/0854903.00W	896 (900)		AS1500	2400

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LOUISVILLE, KY	ELEVATION: 501 AIRPORT NAME: LOUISVILLE INTL-STANDIFORD FIELD	RNAV	RNAV (RNP) Z RWY 17R, ORIG	ASO

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
		F A A		DISTANCE:
		A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:
CONTINUED.

RADIO FIX AND HOLDING DATA RECORD

NAME: ALANB **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381739.62N/0855515.52W **TYPE:** WP, RADAR

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

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, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 08/05/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: ANEZO **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381954.10N/0854412.63W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 08/16/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCB **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 381558.92N/0854927.15W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

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)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 11/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381708.18N/0854257.91W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 11/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCD **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 381629.55N/0854937.25W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 11/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCF **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381738.01N/0854404.06W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 11/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCG **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 380409.29N/0854813.58W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 11/14/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIKCA **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381840.32N/0855020.52W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

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: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 08/05/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY 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:** ESTABLISH

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)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/13/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF/SDF
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIPAD **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 380002.73N/0854950.86W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 08/16/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STYKR **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 381753.66N/0853931.88W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17L			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)			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: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
MOVED 10.12 FT SOUTH
UPDATED LAT LONG

DEVELOPED BY: **DATE:** 09/29/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TEYUD **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 380514.52N/0854257.42W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1
MOVED FIX 1.03 NM SOUTH
UPDATED LAT LONG
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/17/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WONEM **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381956.60N/0854308.45W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 08/16/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY 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:** ESTABLISH

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)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/13/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF/SDF
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BLGRS **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 381916.28N/0854735.24W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	LOUISVILLE	I-SNU	LOC/DME		348.41	345.41	10.36	10.36		3000	5000

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

REMARKS:
I-SNU DME 380915.18N/0854411.51W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FIX USE
UPDATED LAT LONG : MOVED 4945.05FT NORTH
DELETED FAC 2 (RWY THLD REF)
UPDATED FAC 1 DME DIST FROM 9.55 TO 10.36 AND ADDED DIST FROM FAC NM
ADDED STAR TO REQ CHARTING

INFO ONLY

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED 9

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CHRCL **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 381703.67N/0854651.36W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	LOUISVILLE	I-SNU	LOC/DME		348.41	345.41	8.08	8.08		2500	5000

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

REMARKS:
I-SNU DME: 380915.18N/0854411.51W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FIX LAT LONG : MOVED 620.89 FT NORTH
DELETED FAC 2
ADDED DIST FROM FAC NM AND UPDATED DME DIST FROM 7.98 NM TO 8.08 NM

INFO ONLY

DEVELOPED BY: **DATE:** 07/19/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY 9 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: KAEDN **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 381459.68N/0853829.99W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

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)
STAR	DLAMP (RNAV)			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: ORIG **DATE OF REVISION:** 12/15/2011

DEVELOPED BY: **DATE:** 06/10/2011 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

INFO ONLY

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: NADDI **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 380356.50N/0860543.90W **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	DIST FROM FAC FEET	MRA	MAA
1	LOUISVILLE	IIU	VORTAC	H	263.89	264.89	24.65	24.65		2600	17500
2	MYSTIC	MYS	VOR	L	035.45	034.45		12.48		3000	17500
3	FORT KNOX	FTK	VOR/DME	T	329.51	328.51	11.14	11.14		2600	12700

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	IIU	VORTAC	263.89	083.89	L	1		3000	10000	5	10
2	W		WP	263.89	083.89	L		4	3000	10000	5	10
3	NW		WP	332.37	152.37	R		6	2500	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO (STL-S-0127)	380417.00N/0861147.30W	1150	6A
2	200	AAO (STL-S-0127)	380417.00N/0861147.30W	1150	6A
3	230	AAO (STL-S-0127)	380417.00N/0861147.30W	1150	6A

REASON FOR NONSTANDARD HOLDING:
PAT 1 REMAIN CLEAR OF R-3704A/B
PAT 2 REMAIN CLEAR OF R-3704A/B

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INFO ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V4	1, 3				(US)
EN ROUTE	V49	2, 3				(US)
IAP	RNAV (GPS) RWY 15		3	KFTK	FORT KNOX	KY (US)
IAP	RNAV (GPS) RWY 18		3	KFTK	FORT KNOX	KY (US)
IAP	VOR RWY 36			KFTK	FORT KNOX	KY (US)
IAP	ILS OR LOC RWY 17R		1	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17R		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17R		2	KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 12/16/2010

REASON FOR REVISION:
ADD HOLDING PAT 3

DEVELOPED BY: **DATE:** 05/21/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ (RAKE MCGRAW)

APPROVED BY: **DATE:** 10/25/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

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

QUALITY CHECKED 9

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SPYRS **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 382239.30N/0854842.51W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	LOUISVILLE	I-SNU	LOC/DME		348.41	345.41	13.85	13.85		4000	5000

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

REMARKS:
I-SNU DME COORDINATES: 380915.18N/0854411.51W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	1		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17R			KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

INFO ONLY

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FIX USE
UPDATED LAT LONG : MOVED 1.17 NORTH
DELETED FAC 2
UPDATED DME DIST FAC 1 FROM 12.96 TO 13.85 AND ADDED DIST FROM FAC NM
ADDED STAR TO REQ CHARTING

DEVELOPED BY: **DATE:** 07/18/2011 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (CHRISTOPHER COX)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

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

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LOUISVILLE** STATE: **KY**

AIRPORT NAME: **LOUISVILLE INTL-STANDIFORD FIELD** ID: **KSDF**

PROCEDURE: **RNAV (RNP) Z RWY 17R** AMDT: **ORIG**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.03**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **165.39**
4. High Terrain in **FINAL** segment containing 1000' point **483**
5. Distance from **FAF** to 1500' point **4.60**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.20**
7. True Course of **FINAL** segment containing 1500' point **165.39**
8. High Terrain in **FINAL** segment containing 1500' point **483**
9. Threshold Coordinates (if straight-in) ... **381105.06N** / **0854452.93W**
10. ARP Coordinates ..... **381026.71N** / **0854411.40W**
11. Runway Approach End and distance furthest from ARP ..... RWY **35L**
    Distance **1.12** NM
12. FAF Coordinates ..... **381703.67N** / **0854651.36W**

REMARKS: Approach/Drawing attached.

THRESHOLD IS DISPLACED: ACTUAL THLD IS 381113.19N/0854455.65, 489.90 FT MSL

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
LOUISVILLE, KY
LOUISVILLE INTL-STANDIFORD FIELD (KSDF)
RNAV (RNP) Z RWY 17R

2. Waiver Required and Applicable Standard:

Memo dated 02/06/12 establishes the minimum segment length for PBN procedures as 2 times RNP value or 1 NM, whichever is less. The segment length from WONEM to ANEZO is 0.84 NM and the minimum calculated length for this TF segment is 1 NM, making this segment length less than required by the memo.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

Procedure design requires the use of shared fixes and the same radius fix from YUNDV to CIKCA for both runways which neccesitated a short TF segment to RWY 17R.

4. Equivalent Level of Safety Provided:

1. Authorization required for this procedure.
2. The procedure will be validated in the simulator and by Flight Check to meet flyability requirements.
3. The intermediate segment was satisfactorily evaluated for obstacles based on RNP value of 1.00.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

N/A-RNAV procedure

6. Coordination With User Organizations *(Specify)*:
AJV-352

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	**MANAGER, TERMINAL PRODUCTS GROUP**	**GREGORY YAMAMOTO**

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature: