

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> SAMUELS FIELD	<u>AIRPORT ID</u> KBRY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> BARDSTOWN	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 669	<u>TDZE</u> 669	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 5W
<u>EPOCH YEAR</u> 2020					
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 117/30 CW 157/30	NOPT	OXVOR	IF/IAF	3000
2. 157/20 CW 207/20		OXVOR	IF/IAF	3000
3. 207/30 CW 297/30	NOPT	OXVOR	IF/IAF	3000
4. 157/30 CW 207/30	NOPT	157/20 CW 207/20		3600
5. 297/30 CW 027/30		ESSEV	IAF	3100
6. 027/30 CW 117/30		FAMRU	IAF	3000

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
FAMRU	IAF	OXVOR	NOPT	TF	FB	1.00	116.50	5.50	3000
ESSEV	IAF	OXVOR	NOPT	TF	FB	1.00	296.63	5.50	3000
OXVOR	IF/IAF	UNDOZ		TF	FB	1.00	206.57	6.00	2500
UNDOZ	FAF	RW21	MAP	TF	FO	0.30	206.54	5.62	
RW21	MAP	919 MSL		CA			206.54		
919 MSL		MAKRZ		DF	FO	1.00			3100

QUALITY
18
CHECKED

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3100 DIRECT MAKRZ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2. HOLD NE OXVOR, RT, 206.57 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.									
3. FAC:	206.54	FAF: UNDOZ	DIST FAF TO MAP: 5.62		DIST FAF TO THLD: 5.62				
4. MIN ALT: OXVOR 3000, UNDOZ 2500									
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	250 HAT: 0.66	GS ANT:			
6. MIN GP INCPT: 2500		GP ALT AT FAF : UNDOZ 2500			OM:	MM:	IM:		
7. GP ANGLE: 3.00		34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 40.0					
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT OXVOR: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.51 NM TO RW21*
*LNAV ONLY
WAAS CHANNEL #77816
REFERENCE PATH ID: W21A
FAS OBST: 930 AAO 375223N/0852807W.
HOLD SW, RT, 026.45 INBOUND
LTP HAE: 170.2 M



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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	919	3/4	250	919	3/4	250	919	3/4	250	919	3/4	250			
LNAV/VNAV DA	1051	1 1/8	382	1051	1 1/8	382	1051	1 1/8	382	1051	1 1/8	382			
LNAV MDA	1180	1	511	1180	1	511	1180	1 3/8	511	1180	1 3/8	511			
CIRCLING	1200	1	531	1260	1	591	1360	2	691	1480	2 3/4	811			

- CHANGES - REASONS**
- 1. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - THE NA NOTE HAS BEEN REPLACED WITH PBN NAVSPEC REQUIREMENTS.
 - 2. REMOVED CHART NOTE: CIRCLING RWY 3 NA AT NIGHT - 20:1 OBSTACLES REMOVED.

08/07/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 07/24/2019:
1. ADDED "ROUTINE" TO REQUIRED EFFECTIVE DATE.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** ZID, SDF APP CON, AMGR

FLIGHT CHECKED BY
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY
WARDELL HENNING (TODD BOWLING)

APPROVED BY
LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Aug 08, 2019

OFFICE *Digitally signed by* **DATE**
WARDELL HENNING
Aug 08, 2019

OFFICE **DATE**
AJV-A432 06/10/2019

OFFICE **DATE**
AJV-A430

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBRY
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	374914.5665N
LTP/FTP LONGITUDE	0852947.2740W
LTP/FTP ELLIPSOIDAL HEIGHT	+01702
FPAP LATITUDE	374751.5755N
FPAP LONGITUDE	0853028.4930W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F229291E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02038
FPAP ORTHOMETRIC HEIGHT	+02038



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SAMUELS FIELD	KBRY	RNAV (GPS) RWY 21	1A	BARDSTOWN	KY	669	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u>	<u>TO</u>
117/30 CW 157/30	OXVOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
1.TOWER (18-001162)	382130.00N/0855101.00W	1965	100	20	3C	1000					3000	
2.TERRAIN	381045.00N/0850633.00W	1172 (1200)								AS1500	2700	

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

STRAIGHT-IN AREA

<u>FROM</u>	<u>TO</u>
157/20 CW 207/20	OXVOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
3.TOWER (21-000111)	381541.00N/0852543.00W	1408	250	50	4D	1000				AT592	3000	
4.TERRAIN	381842.00N/0851139.00W	840 (800)								AS1500	2300	

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM

207/30 CW 297/30

TO

OXVOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (21-000335)	381058.00N/0850628.00W		1649	250	50	5D	1000				AT351	3000
2.TERRAIN	381045.00N/0850633.00W		1172 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM

157/30 CW 207/30

TO

157/20 CW 207/20

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
6.TOWER (21-001039)	382723.00N/0852528.00W		2548	500	50	5D	1000					3600
7.TERRAIN	382233.00N/0851130.00W		932 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



LEFT BASE AREA

FROM

297/30 CW 027/30

TO

ESSEV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
8.TOWER (21-001773)	373151.00N/0852645.00W		2049	500	125	5E	1000					3100
9.TERRAIN	373527.00N/0854539.00W		1359 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

027/30 CW 117/30

TO

FAMRU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
10.TOWER (21-000237)	374055.00N/0855032.00W		1450	100	20	3C	1000				AT550	3000
11.TERRAIN	374006.00N/0854430.00W		1044 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

FAMRU

TO

OXVOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.50											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
12.AAO	375854.00N/0852436.00W		962	500	125	5E	1000				AT1038	3000
13.TERRAIN	375854.00N/0852436.00W		762 (800)								AS1500	2300

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

INITIAL

FROM

ESSEV

TO

OXVOR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.50											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
14.AAO	375742.00N/0851830.00W		1014	500	125	5E	1000				AT986	3000
15.TERRAIN	375542.00N/0852224.00W		798 (800)								AS1500	2300

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



INTERMEDIATE

FROM

OXVOR (IF/IAF)

TO

UNDOZ

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	6.00											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
16.TOWER (21-001730)	375814.00N/0852907.00W	1107	50	20	2C	500				AT893	2500	
17.TERRAIN	375518.00N/0852406.00W	781 (800)								AS1500	2300	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LPV

FROM

UNDOZ

TO

RW21

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.62		DA	250								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
18.TREE (21-045358)	374937.43N/0852940.20W	737	20	3	1A		34:1				919	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

UNDOZ

TO

RW21

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.62		DA		382							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
19.TOWER (21-001036)	374926.00N/0852858.00W		840	250	50	4D	161				AC50	1051

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

UNDOZ

TO

RW21

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.62		RW21		511							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
20.AAO	375223.00N/0852807.00W		930	50	20	2C	250					1180

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FACILITY
RNAV

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

MAKRZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 890					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3100
22.AAO	374139.00N/0853151.00W		1142	164	98	4E	1000					2200
23.TERRAIN	374139.00N/0853151.00W		942 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW21

TO

MAKRZ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 1080					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3100
22.AAO	374139.00N/0853151.00W		1142	164	98	4E	1000					2200
23.TERRAIN	374139.00N/0853151.00W		942 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



<u>AIRPORT</u> SAMUELS FIELD	<u>AIRPORT ID</u> KBRY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>AMDT NO.</u> 1A	<u>CITY</u> BARDSTOWN	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 669	<u>FACILITY</u> RNAV
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CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
19.TOWER (21-001036)	374926.00N/0852858.00W	1.30	531	840	250	50	4D	300		AC50	1200
CATEGORY B											
24.TANK (21-001636)	375001.00N/0852816.00W	1.83	591	895	250	50	4D	300		AC50	1260
CATEGORY C											
25.ANT (21-054724)	375036.58N/0852719.66W	2.87	691	1059	20	10	1B	300			1360
CATEGORY D											
26.AAO	375140.59N/0953235.64W	3.76	811	1180	50	20	2C	300			1480

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:
100' VEGETATION USED PER EST FPT.

QUALITY
18
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
SDF APP CON, LOU FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS	KBRY	24	KBRY	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KSDF	24	KSDF	24.33	Y	80

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KBRY 668.80, KSDF 500.80
RA = 79.44.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW03 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-G	
RW21 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	668.7	40.0			3.00	27.6

<u>FINAL APPROACH COURSE AIMING</u>			
RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

<u>CRITICAL TEMPERATURES</u>			
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.68C

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1272.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SAMUELS FIELD	KBRY	RNAV (GPS) RWY 21	1A	BARDSTOWN	KY	669	RNAV
and/or							
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS							
<div>PART C: GENERAL REMARKS:</div> <div>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</div> <div>FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING AND INCREASE LPV DA TO 999, LNAV/VNAV DA TO 1131 AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 SM, LNAV CAT C/D VISIBILITY 3/8 SM, AND CIRCLING CAT C/D VISIBILITY 1/4 SM.</div> <div>BARO-VNAV AND VDP NA WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.</div> <div>PARALLEL TAXIWAY EXTENDED TO FULL LENGTH OF RUNWAY. VISIBILITIES CAN BE REDUCED ON THE NEXT FULL AMDT.</div> <div>ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.</div>							
<div> <div>QUALITY</div> <div>18</div> <div>CHECKED</div> </div>							
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<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SAMUELS FIELD	KBRY	RNAV (GPS) RWY 21	1A	BARDSTOWN	KY	669	RNAV

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.11
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	201.56
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	730
DISTANCE FROM	THLD	TO 1500FT POINT	5.02
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.57
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	201.56
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	730

THRESHOLD
COORDINATES
(IF STR-IN)

374914.57N/0852947.27W

ARP COORDINATES

374851.60N/0852958.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 3 DISTANCE 0.41 NM

FAF
COORDINATES

375428.88N/0852710.91W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

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18
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<u>AIRPORT</u> SAMUELS FIELD	<u>AIRPORT ID</u> KBRY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>AMDT NO.</u> 1A	<u>CITY</u> BARDSTOWN	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 669	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (TODD BOWLING)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 06/10/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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QUALITY
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