

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> BOWMAN FIELD	<u>AIRPORT ID</u> KLOU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> LOUISVILLE	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 546	<u>TDZE</u> 546	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 239/30 CW 038/30	NOPT	CAANT	IAF	3000
2. 038/30 CW 148/30		ANDYE	IAF	3000
3. 148/30 CW 239/30		148/16 CW 239/16		3600
4. 148/16 CW 239/16		IFALN	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>
ANDYE	IAF	CAANT	NOPT	TF	FB	1.00	037.63	5.10	3000
IFALN	IAF	CAANT	NOPT	TF	FB	1.00	239.06	6.00	3000
CAANT	IF/IAF	GDUPP		TF	FB	1.00	327.67	4.90	2300
GDUPP	FAF	PUXOJ/2.00 NM TO RW33		TF	FB	0.30	327.63	3.44	
PUXOJ/2.00 NM TO RW33		RW33	MAP	TF	FO	0.30	327.61	2.00	
RW33	MAP	1000 MSL		CA			327.61		1000
1000 MSL		ZOPOM		DF	FO	1.00			3000



MISSED APPROACH

MAP:
LP: RW33
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ZOPOM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)				
2.	HOLD SE CAANT, RT, 327.67 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.							
3. FAC:	327.63	FAF: GDUPP	DIST FAF TO MAP: 5.44	DIST FAF TO THLD: 5.44				
4. MIN ALT:	CAANT 3000, GDUPP 2300, PUXOJ/2.00 NM TO RW33 1200							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:				
6. MIN GP INCPT:	GP ALT AT FAF :		OM:	MM:	IM:			
7. GP ANGLE:	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:			
8. MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING.
CHART NOTE: STRAIGHT-IN RWY 33 NA AT NIGHT, CIRCLING RWY 6, 15, 33 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART: KSDF AIRPORT.
CHART FAS OBST: 594 TREE 381310N/0853930W
CHART CIRCLING ICON.
GDUPP TO RW33: 3.00/42.
CHART R-3704 A/B
WAAS CHANNEL #99526
REFERENCE PATH ID: W33A
CHART FAS OBST: 683 TOWER 381305N/0854020W.
HOLD NE, RT, 220.68 INBOUND
LTP HAE: 127.3 M



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

ALTERNATE: NA ☐ STANDARD - 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
LP MDA	860	1	314	860	1	314		NA			NA				
LNAV MDA	920	1	374	920	1	374		NA			NA				
CIRCLING	1060	1	514	1080	1	534		NA			NA				

CHANGES - REASONS
VERTICAL ALERT LIMIT CHANGED FROM 50 TO 0 - IAW 8260.19H APPENDIX K 4. X.
CRC REMAINDER CHANGED FROM B6BE1122 TO B8B19A57 - VERTICAL ALERT LIMIT CHANGED FROM 50 TO 0.

04/25/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/06/19.
1. DELETED NOTE: CHART NOTE: CIRCLING TO RWY 6 NA AT NIGHT.
2. ADDED NOTE: CHART NOTE: STRAIGHT-IN RWY 33 NA AT NIGHT, CIRCLING RWY 6, 15, 33 NA AT NIGHT.
3. CHANGED COPTER VISIBILITY RESTRICTION FROM 3/4 SM TO 1 SM BASED ON 20:1 PENETRATIONS.

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

FLIGHT CHECKED BY MARC JOHN HINCK	<i>Digitally signed by</i> DONALD H LANIER May 01, 2019	OFFICE FIOG	DATE 04/18/2019	
DEVELOPED BY ROBERT GRIM	<i>Digitally signed by</i> ROBERT GRIM May 01, 2019	OFFICE AJV-A431	DATE 03/06/2019	
APPROVED BY PATRICK MULQUEEN	<i>Digitally signed by</i> DONALD H LANIER May 01, 2019	OFFICE AJV-A430	DATE	TITLE MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLOU
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	381327.1620N
LTP/FTP LONGITUDE	0853942.4120W
LTP/FTP ELLIPSOIDAL HEIGHT	+01273
FPAP LATITUDE	381438.9400N
FPAP LONGITUDE	0854049.5400W
THRESHOLD CROSSING HEIGHT (TCH)	00042.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	B8B19A57

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01606
FPAP ORTHOMETRIC HEIGHT	+01606

