

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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
LOUISVILLE MUHAMMAD ALI INTL	KSDF	RNAV (GPS) Y RWY 35L	1E	LOUISVILLE	KY	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
501	464	RNAV (GPS) Y RWY 35L	1D	03/29/2018	5W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		15 AUGUST 2019	ROUTINE			

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>
BRBON	IAF	RDBRD		TF	FB	1.00	350.45	4.41	5000
RDBRD	IF	AWLEE		TF	FB	1.00	350.44	3.53	4000
AWLEE		CRDNL		TF	FB	1.00	350.43	6.10	2400
CRDNL	FAF	BARRR/2.70 NM TO RW35L		TF	FB	0.30	350.41	3.20	
BARRR/2.70 NM TO RW35L		RW35L	MAP	TF	FO	0.30	350.41	2.70	
RW35L	MAP	1000 MSL		CA			350.41		1000
1000 MSL		DAMEN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW35L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT DAMEN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT RDBRD				
3. FAC:	350.41	FAF: CRDNL	DIST FAF TO MAP: 5.90	DIST FAF TO THLD: 5.90	
4. MIN ALT:	RDBRD 5000, AWLEE 4000, CRDNL 2400, BARRR/2.70 NM TO RW35L 1380*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 2400	GP ALT AT FAF : CRDNL 2400			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 59.1		
8. MSA FROM:	RW35L 3600				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: ARRIVAL HOLDING NOT REQUIRED AT BRBON ON V5-513 NORTHBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 1/2 SM.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT BRBON: HOLD S, RT, 008.43 INBOUND, 5000.
CHART CIRCLING ICON.
CHART R-3704 A AND B
CHART VDP AT 1.46 NM TO RW35L*
*LNAV ONLY
WAAS CHANNEL #86203
REFERENCE PATH ID: W35A
CHART FAS OBST: 740 ATCT 380933N/0854348W.
CHART: 1249 TOWER 380349N/0854352W, 899 TREE 380644N/0854241W.
HOLD W, RT, 099.00 INBOUND
LTP HAE: 107.4 M



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

ALTERNATE: NA ☐ STANDARD - CAT D 900-3

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	664	1800	200	664	1800	200	664	1800	200	664	1800	200			
LNAV/VNAV DA	904	5000	440	904	5000	440	904	5000	440	904	5000	440			
LNAV MDA	1000	2400	536	1000	2400	536	1000	5500	536	1000	5500	536			
CIRCLING	1040	1	539	1140	1	639	1160	1 3/4	659	1400	3	899			

CHANGES - REASONS

1. UPDATED PROCEDURE NAME FROM LOUISVILLE INTL-STANDIFORD FIELD TO LOUISVILLE MUHAMMAD ALI INTL - UPDATED DATA BASE WITH AIRPORT NAME CHANGE.
2.DELETED CHART NOTE: DME/DME RNP -0.3 NA AND ADDED NOTE: RNP APCH - UPDATED PBN REQUIREMENTS REFERENCE REVISED CRITERIA/FORMAT CHANGE.
3. UPDATED BARO-VNAV NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C OR ABOVE 54C - FAHRENHEIT NO LONGER REQUIRED.

COORDINATED WITH:

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

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

DEVELOPED BY *Digitally signed by*
SYLVAN DRAKES **SYLVAN DRAKES**
Mar 25, 2019

APPROVED BY *Digitally signed by*
LONNIE EVERHART **WARDELL HENNING**
Jul 02, 2019

OFFICE *Digitally signed by* **DATE**
WARDELL HENNING
Jul 02, 2019

OFFICE **DATE**
AJV-A433 03/25/2019

OFFICE **DATE** **TITLE**
AJV-A430
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSDF
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	380929.3990N
LTP/FTP LONGITUDE	0854421.3700W
LTP/FTP ELLIPSOIDAL HEIGHT	+01074
FPAP LATITUDE	381113.1900N
FPAP LONGITUDE	0854455.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00059.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	354A53B0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01407
FPAP ORTHOMETRIC HEIGHT	+01407

