

**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 ID</u> LEX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LEXINGTON	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 979	<u>TDZE</u> 969	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 01/30/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 JANUARY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4W
				<u>EPOCH YEAR</u> 1995
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 316/30 CW 135/30	NOPT	RYYYE	IF/IAF	3200
2. 135/30 CW 225/30		UUKAY	IAF	3200
3. 225/30 CW 316/30		FRNZI	IAF	3200

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>
FRNZI	IAF	RYYYE	NOPT	TF	FB	1.00	315.54	7.00	3200
UUKAY	IAF	RYYYE	NOPT	TF	FB	1.00	135.41	7.00	3200
RYYYE	IF/IAF	BLAYD		TF	FB	1.00	045.47	5.24	2500
BLAYD	FAF	JELID/1.51 NM TO RW04		TF	FB	0.30	045.52	3.20	
JELID/1.51 NM TO RW04		RW04	MAP	TF	FO	0.30	045.52	1.51	
RW04	MAP	1169 MSL		CA			045.52		
1169 MSL		KAYFC		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT KAYFC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
35
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SW RYYYY, RT, 045.47 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	045.52	FAF:	BLAYD	DIST FAF TO MAP:	4.71	DIST FAF TO THLD:	4.71							
4.	MIN ALT:	RYYYY 3200, BLAYD 2500, JELID/1.51 NM TO RW04 1480													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.53	GS ANT:				
6.	MIN GP INCPT:	2500	GP ALT AT PFAF:	BLAYD 2500					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	59.7							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, AND LNAV CATS C AND D VISIBILITY TO RVR 5500.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING; INCREASE LPV DA TO 1231 FEET AND ALL VISIBILITIES TO RVR 2000; INCREASE LNAV/VNAV DA TO 1420 FEET AND ALL VISIBILITIES TO RVR 4000; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D TO RVR 4500 AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
CHART NOTE: BARO-VNAV NA WHEN USING FRANKFORT ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 225.66 INBOUND.
FAS OBST: 1078 POLE (21-001682) 380058N/0843718W.
WAAS CHANNEL # 70401
REFERENCE PATH ID: W04A
CHART CIRCLING ICON.
LTP HAE: 253.2 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
LPV DA	1169	1800	200	1169	1800	200	1169	1800	200	1169	1800	200			
LNAV/VNAV DA	1340	3500	371	1340	3500	371	1340	3500	371	1340	3500	371			
LNAV MDA	1340	2400	371	1340	2400	371	1340	3500	371	1340	3500	371			
CIRCLING	1420	1	441	1440	1	461	1520	1 1/2	541	1600	2	621			



CHANGES - REASONS

1. CHANGED INTERMEDIATE FIX FROM SAAPP TO RYYYY – PER ATC REQUEST
2. CHANGED COURSE FRNZI IAF TO IF FROM 315.51 TO 315.54 – IAF ALIGNMENT WITH NEW FAF
3. INCREASED DISTANCE FRNZI TO IF FROM 5.00 NM TO 7.00 NM – FIX RELOCATION PER ATC REQUEST
4. CHANGED COURSE UUKAY TO IF FROM 135.43 TO 135.41 – IAF ALIGNMENT WITH NEW FAF
5. INCREASED DISTANCE UUKAY TO IF FROM 5.00 NM TO 7.00 NM – FIX RELOCATION PER ATC REQUEST
6. CHANGED FINAL APPROACH FIX FROM TUBBE TO BLAYD – PER ATC REQUEST
7. CHANGE INTERMEDIATE LEG COURSE FROM 45.46 TO 45.47 – IF ALIGNMENT WITH NEW FAF
8. DECREASED INTERMEDIATE LEG DISTANCE FROM 7.82 NM TO 5.24 NM – FIX RELOCATION PER ATC REQUEST
9. CHANGED FINAL APPROACH COURSE FROM 45.53 TO 45.52 – FIX RELOCATION
10. ADDED NEW STEPDOWN LEG JELID TO RW04 – REQUIRED TO MAINTAIN PREVIOUS LNAV MINIMUMS
11. DECREASED CA LEG ALTITUDE FROM 1274 MSL TO 1169 MSL – NEW LPV MINIMUMS
12. CHANGED MISSED APPROACH HOLDING FIX FROM UPRAW TO KAYFC – PER ATC REQUEST
13. PROFILE LINE 2 HOLDING CHANGED FROM SW SAAPP, RT, 045.46 TO SW RYYYY, RT, 045.57 – NEW HILPT FIX
14. PROFILE LINE 3 FAC CHANGED FROM 045.43 TO 045.52 – FIX RELOCATION
15. PROFILE LINE 3 INCREASED DIST FAF TO MAP AND FAF TO THLD FROM 3.73 TO 4.71 – FAF RELOCATED FOR 2500 GLIDEPATH INTERCEPT PER ATC REQUEST
16. PROFILE LINE 5 CHANGED 305 HAT TO 200 HAT AND DECREASED DISTANCE FROM 0.85 TO 0.53 – NEW LPV MINIMUMS
17. PROFILE LINE 6 MIN GP INCPT INCREASED FROM 2200 TO 2500 – PER ATC REQUEST
18. PROFILE LINE 7 34:1 CHANGED FROM 'NOT CLEAR' TO 'CLEAR' – 34:1 PENETRATION IS APPROACH LIGHT EXCLUDED IAW 8260.3E 3-3-2(C)5
19. PROFILE LINE 7 TCH DECREASED FROM 59.8 TO 59.7 – MATCH ILS RWY 4 TCH
20. UPDATED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH - GPS – 8260.19I 8-6-8
21. CHANGED CHART NOTE FROM “FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, AND LNAV ALL CATS VISIBILITY TO RVR 5500” TO “FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, AND LNAV CATS C AND D VISIBILITY TO RVR 5500” – 8260.3E TABLE 3-3-1
22. CHANGED BACKUP ALTIMETER NOTE FROM “INCREASE LPV DA TO 1336 FEET, LNAV/VNAV DA TO 1424 FEET, AND ALL MDA 80 FEET, INCREASE LNAV CAT C VISIBILITY TO RVR 4500, AND CIRCLING CAT C/D VISIBILITY 1/4 SM” TO “INCREASE LPV DA TO 1231 FEET AND ALL VISIBILITIES TO RVR 2000; INCREASE LNAV/VNAV DA TO 1420 FEET AND ALL VISIBILITIES TO RVR 4000; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D TO RVR 4500 AND CIRCLING VISIBILITY CAT C/D 1/4 SM” – NEW FINAL APPROACH CONTROLLING OBSTACLES
23. REMOVED CHART NOTE FOR INOP ALS WHEN USING FRANKFORT ALTIMETER – NO LONGER REQUIRED
24. UPDATED CHART NOTE “BARO-VNAV AND VDP NA WHEN USING FRANKFORT ALTIMETER SETTING” TO “BARO-VNAV NA WHEN USING FRANKFORT ALTIMETER SETTING” – VDP NOT PUBLISHABLE
25. REMOVED CHART NOTE “NO PT FOR ARRIVAL AT SAAPP ON V171-178 EASTBOUND” – SAAPP REPLACED WITH RYYYY NOT ON AIRWAY
26. REMOVED “CHART VDP AT 1.06 NM TO RW04*” NOTE – VDP NOT PUBLISHABLE
27. REMOVED “* LNAV ONLY” NOTE – 8260.19I 1-1-5.F
28. LPV DA/HAT DECREASED FROM 1274/305 TO 1169/200 – PREVIOUS CONTROLLING OBSTACLE (FINAL OCS PENETRATION) CONSIDERED ACCEPTABLE IAW 8260.3E 10-6-1
29. LPV VISIBILITY DECREASED FROM RVR 4000 TO RVR 1800 – 8260.3E TABLE 3-3-1
30. LNAV/VNAV DA/HAT DECREASED FROM 1362/393 TO 1340/371 – NEW SLOPED SURFACE EVALUATION RESULTS
31. LNAV/VNAV VISIBILITY DECREASED FROM RVR 5000 TO RVR 4000 – 8260.3E TABLE 3-3-1
32. LNAV MDA VISIBILITY CATS A AND B DECREASED FROM RVR 4000 TO RVR 2400, CAT C DECREASED FROM RVR 4000 TO RVR 3500 AND CAT D DECREASED FROM RVR 5000 TO RVR 3500 – 8260.3E TABLE 3-3-1
33. CIRCLING VISIBILITY CATS A AND B DECREASED FROM 1 1/2 TO 1 – 8260-3E TABLE 3-3-7
34. FAS DATA CHANGES: CRC REMAINDER CHANGED FROM 06F53F8C TO 36CB9324 - FPAP COORDINATES CHANGED FROM 380246.4240N 0843539.5660W TO 380246.4200N 0843539.5605W, TCH CHANGED FROM 59.8 TO 59.7, VAL CHANGED FROM 50.0 TO 35.0

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER:

ZID, LEX APP CON, LEX ATCT, AMGR

<div><div>FLIGHT CHECKED BY</div><div>ROBERT E WILLAMS</div></div>		<div><div>Digitally signed by</div><div>JOHN BORDY</div><div>Nov 16, 2023</div></div>	<div><div>OFFICE</div><div>FPO</div></div>	<div><div>DATE</div><div>11/14/2023</div></div>		
<div><div>DEVELOPED BY</div><div>CASIMIR L. TABAKA (JON NEIDIGH)</div></div>		<div><div>Digitally signed by</div><div>JOHN BORDY</div><div>Nov 16, 2023</div></div>	<div><div>OFFICE</div><div>AJV-A432</div></div>	<div><div>DATE</div><div>10/02/2023</div></div>		
<div><div>APPROVED BY</div><div>JOHN BORDY</div><div>Nov 16, 2023</div></div>			<div><div>OFFICE</div><div>AJV-A33</div></div>	<div><div>DATE</div><div>11/16/2023</div></div>	<div><div>TITLE</div><div>MANAGER</div></div>	<div><div>QUALITY</div><div>35</div><div>CHECKED</div></div>

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLEX
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	380139.6850N
LTP/FTP LONGITUDE	0843654.3915W
LTP/FTP ELLIPSOIDAL HEIGHT	+02532
FPAP LATITUDE	380246.4200N
FPAP LONGITUDE	0843539.5605W
THRESHOLD CROSSING HEIGHT (TCH)	00059.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	36CB9324

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02865
FPAP ORTHOMETRIC HEIGHT	+02865

