

**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 22	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LEXINGTON	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 979	<u>TDZE</u> 979	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>DATED</u> 10/08/2020	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 JANUARY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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. 136/30 CW 316/30	NOPT	KAYFC	IF/IAF	3200
2. 316/30 CW 046/30		SIRBE	IAF	3200
3. 046/30 CW 136/30		VICGO	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>
SIRBE	IAF	KAYFC	NOPT	TF	FB	1.00	315.72	7.00	3200
VICGO	IAF	KAYFC	NOPT	TF	FB	1.00	135.59	7.00	3200
KAYFC	IF/IAF	BRIDL		TF	FB	1.00	225.66	5.20	2600
BRIDL	FAF	MABBU/1.61 NM TO RW22		TF	FB	0.30	225.61	3.33	
MABBU/1.61 NM TO RW22		RW22	MAP	TF	FO	0.30	225.61	1.61	
RW22	MAP	1179 MSL		CA			225.61		
1179 MSL		RYYYY		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT RYYYY 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 NE KAYFC, RT, 225.66 INBOUND, 3200 FT. MAX 6000.														
3.	FAC:	225.61	FAF:	BRIDL	DIST FAF TO MAP:	4.93	DIST FAF TO THLD:	4.93							
4.	MIN ALT:	KAYFC 3200, BRIDL 2600, MABBU/1.61 NM TO RW22 1540													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.47	GS ANT:				
6.	MIN GP INCPT:	2600	GP ALT AT PFAF:	BRIDL 2600					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	55.9							
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FRANKFORT ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING: INCREASE LPV DA TO 1241 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1327 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 045.47 INBOUND.
CHART FAS OBST: 1104 LIGHTING (21-033336) 380214N/0843548W.
CHART VDP AT 1.03 NM TO RW22.
WAAS CHANNEL # 90201
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 263.1 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	1179	3/4	200	1179	3/4	200	1179	3/4	200	1179	3/4	200			
LNAV/VNAV DA	1265	7/8	286	1265	7/8	286	1265	7/8	286	1265	7/8	286			
LNAV MDA	1360	1	381	1360	1	381	1360	1 1/8	381	1360	1 1/8	381			
CIRCLING	1420	1	441	1440	1	461	1520	1 1/2	541	1600	2	621			



CHANGES - REASONS

1. CHANGED INTERMEDIATE FIX FROM UPRAW TO KAYFC – PER ATC REQUEST
2. LEFT BASE INITIAL COURSE CHANGED FROM 315.73 TO 315.72 AND DISTANCE CHANGED FROM 5 NM TO 7 NM – IAF ALIGNMENT WITH NEW FAF
3. RIGHT BASE INITIAL COURSE CHANGED FROM 135.63 TO 135.59 AND DISTANCE CHANGED FROM 5 NM TO 7 NM – IAF ALIGNMENT WITH NEW FAF
4. CHANGED FINAL APPROACH FIX FROM MUMME TO BRIDL – TO ALIGN WITH ILS RWY 22
5. INTERMEDIATE LEG COURSE CHANGED FROM 225.68 TO 225.66, DISTANCE CHANGED FROM 6.1 NM TO 5.2 NM, AND ALTITUDE CHANGED FROM 3200 TO 2600 – FIX RELOCATION
6. CHANGED FINAL APPROACH COURSE FROM 225.63 TO 225.61 – FIX RELOCATION
7. ADDED NEW STEPDOWN LEG MABBU TO RW22 – LOWERED LNAV MINIMUMS
8. DECREASED CA LEG ALTITUDE FROM 1267 TO 1179 – NEW LPV MINIMUMS
9. UPDATED MISSED APPROACH CLEARANCE LIMIT FROM SAAPP TO RYYYE – PER ATC REQUEST
10. PROFILE LINE 2 HOLDING CHANGED FROM NE UPRAW, RT, 225.58 INBOUND TO NE KAYFC, RT, 225.66 INBOUND – NEW HILPT FIX
11. PROFILE LINE 3 FAC CHANGED FROM 225.63 TO 225.61 – FIX RELOCATION
12. PROFILE LINE 3 DECREASED DIST FAF TO MAP AND DIST FAF TO THLD FROM 6.69 TO 4.93 – FAF RELOCATED FOR 2500 GLIDEPATH INTERCEPT AS REQUESTED BY ATC
13. PROFILE LINE 4 CHANGED FROM UPRAW 3200, MUMME 3200 TO KAYFC 3200, BRIDL 2600, MABBU/1.61 NM TO RW22 1540 – NEW IF, FAF AND STEPDOWN FIXES
14. PROFILE LINE 5 ADDED 200 HAT DISTANCE 0.47 NM – NEW LPV MINIMUMS
15. PROFILE LINE 6 MIN GP INCPT DECREASED FROM 3200 TO 2600 – PER ATC REQUEST
16. PROFILE LINE 6 ADDED BRIDL 2600 TO GS ALT AT PFAF – NEW PFAF ALTITUDE
17. PROFILE LINE 7 34:1 CHANGED FROM 'IS NOT CLEAR' TO 'IS CLEAR' AND ADDED '20:1 IS CLEAR' – NEW EVALUATION RESULTS
18. PROFILE LINE 7 TCH INCREASED FROM 55.4 TO 55.9 – MATCH ILS TCH
19. ADDED PBN REQUIREMENTS NOTE "RNP APCH – GPS"– 8260.19I 8-6-8
20. REMOVED FAHRENHEIT TEMPERATURES FROM UNCOMPENSATED BARO-VNAV NOTE – 8260.19I 8-6-9
21. CHANGED MAXIMUM TEMPERATURE FROM 47 TO 54 DEGREES CELSIUS – 8260.58B 3-3-4
22. REMOVED CHART NOTE DME/DME RNP 0.3 NA NOTE – 8260.19I 1-1-5.F
23. REMOVED CHART NOTE VISIBILITY REDUCTION BY HELICOPTERS NA – 34:1 SURFACE CLEAR
24. CHANGED BACKUP ALTIMETER CHART NOTE FROM "INCREASE LPV DA TO 1329 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 1434 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY CATS C AND D 1/4 SM" TO "INCREASE LPV DA TO 1241 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1327 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 80 FEET AND VISIBILITY CAT C/D 1/4 SM" - NEW MINIMUMS, LOWER ALTITUDE APPROVED BY FPT/OIT
25. FAS OBST CHART NOTE CHANGED FROM 1051 TREE/1225 TOWER TO 1104 LIGHTING – NEW FAS OBSTACLES BASED ON EVALUATION
26. REMOVED * FROM VDP IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED IN CURRENT CRITERIA
27. REMOVED ROUTE TYPE AND ROUTE TYPE QUALIFIER ½ FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED IN CURRENT CRITERIA
28. VDP LOCATION CHANGED FROM 1.56 MILES TO RWY22 TO 1.03 NM TO RW22 – NEW LNAV MDA
29. REMOVED PROFILE NOTE *LNAV ONLY – 8260.19I 1-1-5.F
30. LPV DA/HAT DECREASED FROM 1267/288 TO 1179/200 AND VISIBILITY DECREASED FROM 1 SM TO 3/4 SM – OCS CLEAR/8260.3E TABLE 3-3-1, , LOWER ALTITUDE APPROVED BY FPT/OIT
31. LNAV/VNAV DA/HAT DECREASED FROM 1372/393 TO 1265/286 AND VISIBILITY DECREASED FROM 1 1/4 TO 7/8 SM – NEW CONTROLLING OBSTACLE/8260.3E TABLE 3-3-1, , LOWER ALTITUDE APPROVED BY FPT/OIT
32. LNAV MDA/HAT DECREASED FROM 1520/541 TO 1360/381, VISIBILITY CAT C DECREASED FROM 1 1/2 SM TO 1 1/8 SM AND VISIBILITY CAT D DECREASED FROM 1 3/4 SM TO 1 1/8 SM – ADDITION OF STEPDOWN FIX/8260.3E TABLE 3-3-1, , LOWER ALTITUDE APPROVED BY FPT/OIT
33. FAS DATA CHANGES: CRC REMAINDER FROM 205D94F5 TO 54CC48E0 – CHANGED LTP/FTP COORDINATES FROM 380231.4765N 0843556.3155W TO 380231.4865N 0843556.3105W, LTP/FTP ELLIPSOIDAL HEIGHT FROM +02632 TO +02631, FPAP COORDINATES FROM 380129.8000N 0843705.4700W TO 380124.7485N 0843711.1330W, TCH CHANGED 55.4 TO 55.9, COURSE WIDTH AT THRESHOLD FROM 107.25 TO 106.75, LENGTH OFFSET FROM 0408 TO 0616, VAL FROM 50.0 TO 35.0

COORDINATED WITH:

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

FLIGHT CHECKED BY

ROBERT E WILLIAMS

*Digitally signed by***JOHN BORDY**

Nov 16, 2023

OFFICE

FPO

DATE

11/14/2023

DEVELOPED BY

CASIMIR L. TABAKA (JON NEIDIGH)

*Digitally signed by***JOHN BORDY**

Nov 16, 2023

OFFICE

AJV-A432

DATE

01/25/2024

APPROVED BY
JOHN BORDY*Digitally signed by***JOHN BORDY**

Nov 16, 2023

OFFICE

AJV-A430

DATE

11/16/2023

TITLE
MANAGERQUALITY
35
CHECKED

AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

ORIGINAL/AMENDMENT
2

CITY
LEXINGTON

STATE
KY

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLEX
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	380231.4865N
LTP/FTP LONGITUDE	0843556.3105W
LTP/FTP ELLIPSOIDAL HEIGHT	+02631
FPAP LATITUDE	380124.7485N
FPAP LONGITUDE	0843711.1330W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
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	54CC48E0
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02965
FPAP ORTHOMETRIC HEIGHT	+02965

