

**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> 3	<u>CITY</u> LEXINGTON	<u>STATE</u> KY
<u>AIRPORT ELEVATION</u> 980	<u>TDZE</u> 980	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>DATED</u> 01/25/2024	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 OCTOBER 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	3000
2. 316/30 CW 046/30		316/10 CW 046/10		3100
3. 316/10 CW 046/10		SIRBE	IAF	3000
4. 046/30 CW 136/30		VICGO	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>
SIRBE	IAF	KAYFC	NOPT	TF	FB	1.00	315.72	7.00	3000
VICGO	IAF	KAYFC	NOPT	TF	FB	1.00	135.59	7.00	3000
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	1180 MSL		CA			225.61		
1180 MSL		RYYYY		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW22

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT RYYYY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
- 2. HOLD NE KAYFC, RT, 225.66 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- 3. **FAC:** 225.61                      **FAF:** BRIDL                      **DIST FAF TO MAP:** 4.93                      **DIST FAF TO THLD:** 4.93
- 4. **MIN ALT:** KAYFC 3000, 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 -13°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 045.47 INBOUND.  
CHART FAS OBST: 1100 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	1180	3/4	200	1180	3/4	200	1180	3/4	200	1180	3/4	200				
LNAV/VNAV DA	1261	7/8	281	1261	7/8	281	1261	7/8	281	1261	7/8	281				
LNAV MDA	1360	1	380	1360	1	380	1360	1	380	1360	1	380				
CIRCLING	1420	1	440	1440	1	460	1520	1 1/2	540	1600	2	620				



**CHANGES - REASONS**

-SI TAA SEGMENT 136/30 CW 316/30 ALTITUDE CHANGED FROM 3200 TO 3000 - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -LB TAA SEGMENT: ADDED 316/10 CW 046/10, RYYYY , IF/IAF, 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -LB TAA SEGMENT 316/30 CW 046/30 CHANGED FROM 3200 TO 3100. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -RB TAA SEGMENT 046/30 CW 136/30 CHANGED FROM 3200 TO 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -TERMINAL ROUTES: SIRBE TO KAYFC ALTITUDE CHANGED FROM 3200 TO 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -TERMINAL ROUTE: VICGO TO KAYFC ALTITUDE CHANGED FROM 3200 TO 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -TERMINAL ROUTES: CA LEG ALTITUDE CHANGED FROM 1179 TO 1180. -TDZE CHANGED FROM 979 TO 980.  
 -MISSED APPROACH INSTRUCTION CHANGED FROM "CLIMB TO 3200 DIRECT RYYYY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200." TO "CLIMB TO 3000 DIRECT RYYYY AND HOLD". - CLEARANCE LIMIT AT RYYYY LOWERED TO 3000, CIH NO LONGER REQUIRED.  
 -PROFILE LINE 2: HIL AT KAYFC ALTITUDE CHANGED FROM 3200 TO 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE/HIL ALTITUDE FROM 3200 TO 3000.  
 -PROFILE LINE 4: MIN ALT AT KAYFC CHANGED FROM 3200 TO 3000. - PER FPT, REDUCE TAA/INITIAL/INTERMEDIATE ALTITUDE FROM 3200 TO 3000  
 -REMOVED NOTES REFERENCING FRANKFORT (FFT) ALTIMETER SETTING. - PLACED ON BACK OF 8260-9 IAW 8260.19J 8-6-9-F (3)  
 -NOTES: CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, FROM "LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C." TO CHART NOTE: FOR "UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13°C OR ABOVE 54°C." -UPDATED CALCULATION PER LATEST AVAILABLE HISTORICAL DATA (2019-2023).  
 -FAS DATA: CHANGED LTP/FTP COORDINATES FROM "380231.4865N/0843556.3105W" TO "380231.4795N/0843556.3135W", FPAP COORDINATES FROM "380124.7485N/0843711.1330W" TO "380124.7410N/0843711.1355W". - USED AIRPORT/RUNWAY PENDING DATA.  
 -FAS DATA: CRC REMAINDER CHANGED FROM 54CC48E0 TO E48B7788. - LTP LAT/LONG UPDATED.  
 -LPV DA/MDA CHANGED FROM 1179 TO 1180. - TDZE CHANGED FROM 979 TO 980.  
 -LNAV/VNAV DA/MDA CHANGED FROM 1265 TO 1261. -EXISTING CONTROLLING OBS AMSL DECREASED 4 FT.  
 - CIRCLING HAT/HAA CHANGED FROM 441/461/541/621 TO 440/460/540/620. - APT ELEZ, TDZE CHANGED FROM 979 TO 980

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** ZID, LEX APP CON, LEX ATCT, AMGR

**FLIGHT CHECKED BY**

GEORGE E SEARLES

*Digitally signed by*

**DAVID DANNER**

Aug 09, 2024

**OFFICE**

FPO

**DATE**

08/07/2024

**DEVELOPED BY**

LEO PALMER

*Digitally signed by*

**LEO PALMER**

Jun 05, 2024

**OFFICE**

AJV-A421

**DATE**

03/06/2024

**APPROVED BY**

DAVID DANNER

*Digitally signed by*

**DAVID DANNER**

Aug 09, 2024

**OFFICE**

AJV-A420

**DATE**

**TITLE**

MANAGER



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	380231.4795N
LTP/FTP LONGITUDE	0843556.3135W
LTP/FTP ELLIPSOIDAL HEIGHT	+02631
FPAP LATITUDE	380124.7410N
FPAP LONGITUDE	0843711.1355W
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 E48B7788

ADDITIONAL PATH POINT RECORD INFORMATION

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

