

**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.

AIRPORT ID LEX	PROCEDURE NAME RNAV (GPS) RWY 22	ORIGINAL/AMENDMENT 2	CITY LEXINGTON	STATE KY
AIRPORT ELEVATION 979	TDZE 979	SUPERSEDED RNAV (GPS) RWY 22	DATED 10/08/2020	MAG VAR 4W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1995
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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:



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
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

OFFICE

FPO

DATE

11/14/2023

DEVELOPED BY

CASIMIR L. TABAKA (JON NEIDIGH)

OFFICE

AJV-A432

DATE

01/25/2024

APPROVED BY

JOHNNIE BAKER III

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	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

ADDITIONAL PATH POINT RECORD INFORMATION

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



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> LEX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>AMDT NO.</u> 2	<u>CITY</u> LEXINGTON	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 979	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 136/30 CW 316/30	TO KAYFC
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000496)	375433.31N/0835530.30W	1695	20	3	1A	1000				AT505	3200
TERRAIN	375442.00N/0835609.00W	1453 (1500)								AS1500	3000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

LEFT BASE AREA

FROM 316/30 CW 046/30	TO SIRBE
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-002125)	375250.86N/0841915.94W	2049	500	50	5D	1000				AT151	3200
TERRAIN	374636.00N/0835757.00W	1482 (1500)								AS1500	3000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

RIGHT BASE AREA

FROM
046/30 CW 136/30

TO
VICGO

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (21-000335)	381058.10N/0850628.35W	1649	250	50	4D	1000				AT551	3200
TERRAIN	381039.00N/0850642.00W	1187 (1200)								AS1500	2700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
SIRBE

TO
KAYFC

RNP DISTANCE PAT MAP HAT HMAS
1.00 7.00

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (21-000127)	380724.00N/0842637.00W	1617	250	50	4D	1000				AT583	3200
TERRAIN	380845.00N/0842215.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

INITIAL

FROM
VICGO

TO
KAYFC

RNP
1.00

DISTANCE
7.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-020516)	381215.26N/0843250.79W	1331	250	50	4D	1000				AT869	3200
TERRAIN	381015.00N/0842518.00W	967 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
KAYFC

TO
BRIDL

RNP
1.00

DISTANCE
5.20

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000127)	380724.00N/0842637.00W	1617	250	50	4D	500				AT483	2600
TERRAIN	380606.00N/0843136.00W	987 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

FINAL: LPV

FROM
BRIDL

TO
RW22

RNP
0.30

DISTANCE
4.93

PAT

MAP
DA

HAT
200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1179

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
BRIDL

TO
RW22

RNP
0.30

DISTANCE
4.93

PAT

MAP
DA

HAT
286

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
LIGHTING (21-033336)	380213.99N/0843548.32W	1104	20	3	1A	161					1265

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
BRIDL

TO
MABBU/1.61 NM TO RW22

RNP
0.30

DISTANCE
3.33

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000895)	380447.74N/0843247.48W	1207	20	3	1A	250				RA80	1540

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
MABBU/1.61 NM TO RW22

TO
RW22

RNP
0.30

DISTANCE
1.61

PAT

MAP
RW22

HAT
381

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
LIGHTING (21-033336)	380213.99N/0843548.32W	1104	20	3	1A	250					1360

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
KAYFC

TO
P-5

RNP

DISTANCE

PAT
P-5

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000127)	380724.00N/0842637.00W	1617	250	50	4D	1000				AT583	3200
TERRAIN	381751.00N/0842621.00W	1056 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

MISSED APPROACH: LPV

FROM
DA **TO**
RYYYYE

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1008

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3200
TOWER (21-000956)	375757.28N/0843850.80W	1241	250	50	4D	1000					2300
TERRAIN	375815.00N/0843818.00W	1000 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
RYYYYE

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1104

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3200
TOWER (21-000956)	375757.28N/0843850.80W	1241	250	50	4D	1000					2300
TERRAIN	375815.00N/0843818.00W	1000 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

MISSED APPROACH: LNAV

FROM
RW22 **TO**
RYYYYE

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1260

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3200
TOWER (21-000956)	375757.28N/0843850.80W	1241	250	50	4D	1000					2300
TERRAIN	375815.00N/0843818.00W	1000 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
WATER_TOWER (21-034121)	380310.07N/0843626.80W	1.30	441	1112	20	10	1B	300			1420
CATEGORY B											
WATER_TOWER (21-034121)	380310.07N/0843626.80W	1.84	461	1112	20	10	1B	300		HAA	1440
CATEGORY C											
ANTENNA (21-052343)	380243.12N/0843930.05W	2.89	541	1215	20	3	1A	300			1520
CATEGORY D											
TOWER (21-000894)	380339.00N/0843128.00W	3.78	621	1249	500	50	5D	300		AC50	1600

CIRCLING REMARKS:

MSA/ESA

CENTER **RADIUS**

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION HEIGHT PER FPT.



AIRPORT ID
LEX

PROCEDURE NAME
RNAV (GPS) RWY 22

AMDT NO.
2

CITY
LEXINGTON

STATE
KY

AIRPORT ELEVATION
979

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

LEX APP CON, ZID ARTCC, LEX TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	LEX	24	LEX	0	Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	FFT	24	FFT	16.56	Y	62

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KLEX 979, KFFT 812
RA = 61.6

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - REIL, MIRL, PAPI-4L	NPI-G	
RW27 - MIRL, REIL, PAPI-4L	NPI-G	
RW04 - MALSR, TDZ, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH
RW22 - REIL, C/LINE (PCL), HIRL, PAPI-4L	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	972.7	55.9			3.00	59.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.06C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 968 HIGH TEMP 1277.



"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	RWY 27: CIRCLING
20:1	
1014 TOWER (21-021530) 380225.37N/0843607.39W (16.2)	
PENETRATIONS REMARKS:	
RWY 27 CIRCLING 20:1 OBSTACLE IS LIT. NO NIGHT RESTRICTION REQUIRED.	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	221.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	4.73
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	221.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD COORDINATES (IF STR-IN)	380231.49N/0843556.31W
ARP COORDINATES	380212.30N/0843631.10W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 4 DISTANCE 0.62 NM
FAF COORDINATES	380613.15N/0843147.43W
FIX NAME COORDINATES	IF/IAF KAYFC 381006.59N/0842724.70W, IAF SIRBE 380526.94N/0842047.21W, IAF VICGO 381445.87N/0843403.02W

REMARKS

30 NM RADIUS APPLIED AT TAA FIXES KAYFC, SIRBE, VICGO



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RNAV (GPS) RWY 22

AMDT NO.
2

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AIRPORT ELEVATION
979

FACILITY
RNAV

PART E: PREPARED BY

NAME
CASIMIR L. TABAKA (JON NEIDIGH)

OFFICE
AJV-A432

DATE
01/25/2024

TITLE
AERONAUTICAL INFORMATION SPECIALIST

