

**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> BLUE GRASS	<u>AIRPORT ID</u> KLEX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1B	<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SUPERSEDED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> 1A	<u>DATED</u> 07/31/2008	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TAA THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 20-02.

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

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FRNZI	IAF	SAAPP	NOPT	TF	FB	1.00	315.51	5.00	3200
UUKAY	IAF	SAAPP	NOPT	TF	FB	1.00	135.43	5.00	3200
SAAPP	IF/IAF	TUBBE		TF	FB	1.00	045.46	7.82	2200
TUBBE	FAF	RW04	MAP	TF	FO	0.30	045.53	3.73	
RW04	MAP	1274 MSL		CA			045.53		
1274 MSL		UPRAW		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT UPRAW AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD SW SAAPP, RT, 045.46 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 045.53 **FAF:** TUBBE **DIST FAF TO MAP:** 3.73 **DIST FAF TO THLD:** 3.73
- 4. **MIN ALT:** SAAPP 3200, TUBBE 2200
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **305 HAT:** 0.85 **GS ANT:**
- 6. **MIN GP INCPT:** 2200 **GP ALT AT FAF :** TUBBE 2200 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 59.8
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: 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.
 CHART NOTE: FOR INOPERATIVE ALS WHEN USING FRANKFORT ALTIMETER SETTING, INCREASE LNAV CAT A/B VISIBILITY TO RVR 5500.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING AND 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.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FRANKFORT ALTIMETER SETTING.
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SAAPP ON V171-178 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 1.06 NM TO RW04*
 *LNAV ONLY
 WAAS CHANNEL #70401
 REFERENCE PATH ID: W04A
 CHART FAS OBST: 1081 TRANSMISSION LINE 380014N/0843904W.
 CHART: 1234 TOWER 375757N/0843851W.
 HOLD SW, RT, 046.00 INBOUND
 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	1274	4000	305	1274	4000	305	1274	4000	305	1274	4000	305				
LNAV/VNAV DA	1362	5000	393	1362	5000	393	1362	5000	393	1362	5000	393				
LNAV MDA	1340	4000	371	1340	4000	371	1340	4000	371	1340	5000	371				
CIRCLING	1420	1 1/2	441	1440	1 1/2	461	1520	1 1/2	541	1600	2	621				

CHANGES - REASONS

1. DECREASED TDZE FROM 971 TO 969 - UPDATED RWY DATA.
2. ADDED CA LEG TO TERMINAL ROUTES - IAW 8260.58A PARA 3-5-2.
3. CHANGED PROFILE: 5. FROM 303 HAT: 0.86 TO 305 HAT: 0.85 - UPDATED RWY DATA.
4. ADDED PROFILE: 20:1 IS CLEAR - IAW 8260.19H PARA 8-6-7 G(3).
5. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE - IAW 8260.19H PARA 8-6-8 B(1).
6. DELETED CHART NOTE: "DME/DME RNP-0.3 NA" - IAW 8260.19H PARA 8-6-8 B(1).
7. REMOVED CHART NOTE: "VISIBILITY REDUCTION BY HELICOPTERS NA" - IAW 8260.19H PARA 8-6-11 K AND NEW OBSTACLE EVALUATION.
8. CHANGED CHART NOTE: "FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, AND LNAV CATS A, B, C TO RVR 5000, CAT D TO RVR 6000" TO "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" - IAW 8260.19H PARA 8-6-11 0(3)(D).
9. ADDED CHART NOTE: "FOR INOPERATIVE ALS WHEN USING FRANKFORT ALTIMETER SETTING, INCREASE LNAV CAT A/B VISIBILITY TO RVR 5500" - IAW 8260.19H PARA 8-6-11 0(3)(D).
10. CHANGED NOTE "IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAPITAL CITY ALTIMETER SETTING AND INCREASE ALL DAS 63 FEET AND ALL MDAS 80 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING AND INCREASE LPV DA TO 1336 FEET, LNAV/VNAV DA TO 1424 FEET, AND ALL MDA 80 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, LNAV CAT C/D VISIBILITY TO RVR 4500, AND CIRCLING CAT C/D VISIBILITY 1/4 SM." - IAW 8260.19H PARA 8-6-11 N(1)(A)(1) AND UPDATED RWY DATA.
11. CHANGED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 47°C (116°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" - IAW 8260.19H PARA 8-6-9 S.
12. DELETED CHART PROFILE NOTE: "VGS1 AND RNAV GLIDEPATH NOT COINCIDENT" - THEY ARE COINCIDENT IAW 8260.19H PARA 8-6-9 M.
13. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-10 T.
14. DELETED NOTE "THIS IS A TRANSCRIBED FORM, SOME DATA MAY DIFFER FROM THE ORIGINAL DOCUMENT DUE TO UPDATED INFORMATION" - NOT REQUIRED.
15. DELETED ADDITIONAL FLIGHT DATA "CHART APT ELEV 979" - INFORMATION IS ON NEW FORMS.
16. DELETED ADDITIONAL FLIGHT DATA "CHART MALSR" - NOT REQUIRED.
17. INCREASED LPV HAT FROM 303 TO 305, LNAV/VNAV HAT FROM 391 TO 393, AND LNAV HAA FROM 369 TO 371 - UPDATED RWY DATA.
18. CHANGED PROFILE: 2. "HOLD SW SAAPP, RT, 045.46 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 14000" TO "HOLD SW SAAPP, RT, 045.46 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000" - CURRENT AIRNAV DATA.
19. ADDED "CHART FAS OBST: 1081 TRANSMISSION LINE 380014N/0843904W" TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-10 C.
20. CHANGED ADDITIONAL FLIGHT DATA "CHART 1235 TOWER 375757N/0843851W" TO "CHART: 1234 TOWER 375757N/0843851W" - CURRENT OBSTACLE DATA.
21. CHANGED ADDITIONAL FLIGHT DATA "LTP HAE: 253.3 M" TO "LTP HAE: 253.2 M" - CURRENT AIRNAV DATA.
22. INCREASED CIRCLING HAA/MDA CAT C FROM 461/1440 TO 541/1520 AND CAT D FROM 561/1540 TO 621/1600 - NEW CIRCLING CRITERIA.
23. CHANGED FAS DATA BLOCK INFORMATION: LTP/FTP LATITUDE/LONGITUDE FROM 380139.6830N/0843654.3905W TO 380139.6850N/0843654.3915W, FPAP LATITUDE/LONGITUDE FROM 380231.4800N/0843556.3200W TO 380246.4240N/0843539.5660W, LTP/FTP ELLIPSOIDAL HEIGHT FROM 02533 TO 02532, CRC REMAINDER FROM 10CB6E1C TO 06F53F8C, LTP ORTHOMETRIC HEIGHT FROM 02866 TO 02865, AND FPAP ORTHOMETRIC HEIGHT FROM 02865 TO 02865 - UPDATED RWY DATA.
24. CHANGED "BARO-VNAV AND VDP NA WHEN USING CAPITAL CITY ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FRANKFORT ALTIMETER SETTING" - NEW BACKUP ALTIMETER SOURCE.
25. CHANGED ADDITIONAL FLIGHT DATA: "CHART VDP AT 1.15 NM TO RW04*" TO "CHART VDP AT 1.06 NM TO RW04*" - TARGETS EVALUATION.
26. DELETED ADDITIONAL FLIGHT DATA "CHART TDZE: 969" - INFORMATION IS ON NEW FORMS.
27. ADDED CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SAAPP ON V171-178 EASTBOUND - IAW 8260.19H PARA 8-2-5 G(2).



12/13/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 10/03/19:

1. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING AND INCREASE LPV DA TO 1336 FEET, LNAV/VNAV DA TO 1424 FEET, AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, LNAV CAT C/D VISIBILITY TO RVR 4500, AND CIRCLING CAT C/D VISIBILITY 1/4 SM." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRANKFORT ALTIMETER SETTING AND 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."

COORDINATED WITH:

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

FLIGHT CHECKED BY

Digitally signed by

BEV L BORDY

Dec 16, 2019

OFFICE

FIOG

DATE

11/12/2019

MARC J HINCK

DEVELOPED BY

Digitally signed by

BEV L BORDY

Dec 16, 2019

OFFICE

AJV-A432

DATE

09/03/2019

WARDELL HENNING (KENO HARTSHORN)

APPROVED BY

Digitally signed by

BEV L BORDY

Dec 16, 2019

OFFICE

AJV-A430

DATE

LONNIE EVERHART

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	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	380246.4240N
FPAP LONGITUDE	0843539.5660W
THRESHOLD CROSSING HEIGHT (TCH)	00059.8
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)	50.0
CRC REMAINDER	06F53F8C

ADDITIONAL PATH POINT RECORD INFORMATION

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

