

**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> KVUJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> ALBEMARLE	<u>STATE</u> NC		
<u>AIRPORT ELEVATION</u> 609	<u>TDZE</u> 584	<u>SUPERSEDED</u> RNAV (GPS) RWY 22L	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 09/09/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 133/30 CW 313/30	NOPT	EWUKO	IF/IAF	4000
2. 313/30 CW 043/30		PIBTE	IAF	4000
3. 043/30 CW 133/30		OMDOE	IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PIBTE	IAF	EWUKO	NOPT	TF	FB	1.00	313.33	5.00	4000
OMDOE	IAF	EWUKO	NOPT	TF	FB	1.00	133.23	5.00	4000
EWUKO	IF/IAF	FIKBI		TF	FB	1.00	223.28	3.00	3300
FIKBI		PPAGE		TF	FB	1.00	223.25	3.49	2400
PPAGE	FAF	RW22L	MAP	TF	FO	0.30	223.23	5.52	
RW22L	MAP	919 MSL		CA			223.23		
919 MSL		RENZI		DF	FB	1.00			
RENZI		HUNOS		TF	FB	1.00	333.19	11.00	
HUNOS		EWUKO		TF	FO	1.00	077.89	18.10	4000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT RENZI AND RIGHT TURN ON TRACK 333.19 TO HUNOS AND RIGHT TURN ON TRACK 077.89 TO EWUKO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- 1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- 2. HOLD NE EWUKO, RT, 223.28 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. FAC: 223.23 FAF: PPAGE DIST FAF TO MAP: 5.52 DIST FAF TO THLD: 5.52
- 4. MIN ALT: EWUKO 4000, FIKBI 3300, PPAGE 2400
- 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 335 HAT: 0.93 GS ANT:
- 6. MIN GP INCPT: 2400 GP ALT AT PFAF : PPAGE 2400 OM: MM: IM:
- 7. GP ANGLE: 3.04 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
- 8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 4L, 22R NA AT NIGHT.
CHART NOTE: RWY 22L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 821 TREE (37-113358) 352622N/0800822W.
994 AAO 353006N/0800539W.
CHART VDP AT 1.51 NM TO RW22L.
WAAS CHANNEL # 78317
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 145.6 M



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT D 800-2 1/2, 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	919	1	335	919	1	335	919	1	335	919	1	335				
LNAV/VNAV DA	1272	2	688	1272	2	688	1272	2	688	1272	2	688				
LNAV MDA	1100	1	516	1100	1	516	1100	1 3/8	516	1100	1 3/8	516				
CIRCLING	1260	1	651	1260	1	651	1260	1 3/4	651	1380	2 1/2	771				

CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAM ORIG-A INTO THESE FORMS - IAW 8260.191 8-3-4C(3).
2. LPV DA/HAT/VIS ALL CATS INCREASED FROM 784/200/3/4 SM TO 919/335/1 SM - NEW OBSTACLE EVALUATION.
3. CHANGED LNAV/VNAV ALL CATS VIS FROM 2 1/2 TO 2 SM - IAW 8260.3E CH. 3 TABLE 3-3-1 VISIBILITIES.
4. CHANGED LNAV CAT C VIS FROM 1 1/2 TO 1 3/8 SM, CAT D FROM 1 3/4 TO 1 3/8 SM - IAW 8260.3E CH. 3 TABLE 3-3-1 VISIBILITIES.
5. ADDED A CA LEG TO TERMINAL ROUTES - REQUIRED FOR CODING RNAV PROCEDURES.
6. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE RNP APCH - GPS - IAW 8260.191 8-6-8 B(2).
7. ADDITIONAL FLIGHT DATA: UPDATED CHART VDP FROM 1.52 NM TO RW22L TO 1.51 NM TO RW22L; *LNAV ONLY REMOVED - IAW 8260.191 8-6-9 M; IAW 8260.191 1-1-5 F(12).
8. ADDITIONAL FLIGHT DATA: UPDATED FROM CHART FAS OBST: 837 TREE 352627N/0800809W, 929 AAO 352851N/0800431W TO FAS OBST: 821 TREE (37-113358) 352622N/0800822W - NEW NON-PRECISION FINAL CONTROLLING OBSTACLE.
9. ADDED "MAX 6000" TO PROFILE, LINE 2 - 8260.191 8-6-7, B(2).
10. PROFILE LINE 7 ADDED: 20:1 IS CLEAR, 34:1 IS NOT CLEAR - NO 20:1 PENETRATIONS PRESENT, 34:1 PENETRATIONS ARE PRESENT.
11. RELOCATED BACKUP ALTIMETER NOTES FROM THIS FORM TO THE 8260-9 FOR CONTINGENCY PURPOSES - 8260.191, 8-6-9.F (3).
12. ADDED CHART NOTE: RWY 22L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS PRESENT.
13. FAS DATA: UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 352516.8460N/0800843.1985W TO 352516.8380N/0800843.1995W; UPDATED LTP/FTP ELLIPSOIDAL HEIGHT FROM +01455 TO +01456 - NEW AIRNAV DATA INCORPORATED.
14. FAS DATA: UPDATED FPAP LATITUDE/LONGITUDE FROM 352433.5000N/0800923.3800W TO 352405.7495N/0800949.0910W - NEW AIRNAV DATA INCORPORATED.
15. FAS DATA: UPDATED COURSE WIDTH AT THRESHOLD FROM 103.75 TO 106.75, LENGTH OFFSET FROM 0000 TO 1072 - NEW AIRNAV DATA INCORPORATED.
16. FAS DATA: UPDATED LTP/FPAP ORTHOMETRIC HEIGHT FROM +01758 TO +01760 - LTP/FTP LATITUDE/LONGITUDE UPDATED.
17. FAS DATA: UPDATED CRC REMAINDER FROM 46F75749 TO D7B2B3A6 - LTP/FTP LATITUDE/LONGITUDE AND FPAP ELLIPSOIDAL HEIGHT UPDATED.
18. DELETED FAHRENHEIT TEMPERATURES FROM THE BARO-VNAV NOTE AND CHANGED HIGH TEMP FROM 47 TO 54C - IAW 8260.191, 8-6-9R.
19. UPDATED CIRCLING RESTRICTION FOR RWY 4L, RWY 22R; CHANGED "/" TO "," BETWEEN RWY NUMBERS AND REMOVED THE WORD "TO" - FORMAT PER 8160.191 8-6-110(2)G.
20. ADDED ADDITIONAL FLIGHT DATA NOTE: CHART CIRCLING ICON - CIRCLING RADII AND OBSTACLES WERE AMENDED IN ORIG-A.
21. CHANGED ADDITIONAL FLIGHT DATA 7:1 OBSTACLE FROM "929 AAO 352851N/0800431W" TO "994 AAO 353006N/0800539W" - NEW EVALUATION.
22. PROFILE LINE 7: CHANGED GPA FROM 3.00 TO 3.04 - REQUIRED INPUT IN EVALUATION TO MAINTAIN PFAF POSITION/ALTITUDE IN MINOR AMENDMENT.
23. PROFILE LINE 5: CHANGED HAT FROM 200 TO 335 AND DISTANCE FROM 0.53NM TO 0.93NM - NEW EVALUATION.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZTL, GSO APP CON, CLT APP CON, AMGR.

FLIGHT CHECKED BY

WILLIAM R GEISER

Digitally signed by
CASIMIR L TABAKA
Jun 23, 2022

OFFICE
FPO

DATE
06/14/2022

DEVELOPED BY

JON DENTON (GORDON LEMON)

Digitally signed by
CASIMIR L TABAKA
Mar 04, 2022

OFFICE
AJV-A432

DATE
09/29/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by
CASIMIR L TABAKA
Mar 04, 2022

OFFICE
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DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVUJ
RUNWAY	RW22L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	352516.8380N
LTP/FTP LONGITUDE	0800843.1995W
LTP/FTP ELLIPSOIDAL HEIGHT	+01456
FPAP LATITUDE	352405.7495N
FPAP LONGITUDE	0800949.0910W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D7B2B3A6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01760
FPAP ORTHOMETRIC HEIGHT	+01760

