

**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> KGVL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GAINESVILLE	<u>STATE</u> GA		
<u>AIRPORT ELEVATION</u> 1277	<u>TDZE</u> 1274	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
REELL		FEGTA		TF	FB	1.00	355.65	19.68	3500
AWSON		JATOX		TF	FB	1.00	089.46	10.53	4800
FEGTA	IAF	DUBNE	NOPT	TF	FB	1.00	314.16	6.35	3500
JATOX	IAF	DUBNE	NOPT	TF	FB	1.00	134.04	6.35	3500
DUBNE	IF/IAF	BUYAC		TF	FB	1.00	224.11	6.33	2900
BUYAC	FAF	LAGME/3.10 NM TO RW23		TF	FB	0.30	224.05	1.98	
LAGME/3.10 NM TO RW23		RW23	MAP	TF	FO	0.30	224.05	3.10	
RW23	MAP	1541 MSL		CA			224.05		
1541 MSL		IYULU		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT IYULU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE DUBNE, LT, 224.11 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 224.05FAF: BUYACDIST FAF TO MAP: 5.08DIST FAF TO THLD: 5.08

4. MIN ALT: DUBNE 3500, BUYAC 2900, LAGME/3.10 NM TO RW23 2040

5. DIST TO THLD FROM OM:MM:IM:150 HAT:267 HAT: 0.81GS ANT:

6. MIN GP INCPT: 2900GP ALT AT PFAF : BUYAC 2900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW23 5600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 11, 29 NA AT NIGHT.
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REELL ON T292 SOUTHEAST BOUND, T321 SOUTHBOUND, AND T297 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AWSON ON V5-311 WESTBOUND AND T297 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 043.93 INBOUND.
CHART FAS OBST: 1537 TOWER (13-002744) 341846N/0834712W.
CHART VDP AT 1.63 NM TO RW23.
WAAS CHANNEL # 77605
REFERENCE PATH ID: W23A
LTP HAE: 349 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	1541	7/8	267	1541	7/8	267	1541	7/8	267	1541	7/8	267			
LNAV/VNAV DA	1637	1	363	1637	1	363	1637	1	363	1637	1	363			
LNAV MDA	1800	1	526	1800	1	526	1800	1 1/2	526	1800	1 1/2	526			
CIRCLING	1800	1	523	2000	1	723	2000	2	723	2020	2 1/2	743			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM FDC NOTAM 1/0667 INTO FORM.
2. TERMINAL ROUTES: CHANGED FEEDER ROUTE FROM "ANNYE TO JATOX" TO "AWSON TO JATOX" - VORMON DECOMMISSIONING GQO VORTAC.
3. TERMINAL ROUTES: CHANGED FEEDER ROUTE FROM "IRMOS TO FEGTA" TO "REELL TO FEGTA" - VORMON DECOMMISSIONING GQO VORTAC.
4. TERMINAL ROUTES: ADDED "NOPT" TO FEGTA TO DUBNE AND JATOX TO DUBNE FIX TYPE - HOLD IN LIEU ADDED AT DUBNE.
5. TERMINAL ROUTES: CHANGED DUBNE TO BUYAC FIX TYPE FROM "IF" TO "IF/IAF" - HOLD IN LIEU ADDED AT DUBNE.
6. TERMINAL ROUTES: CHANGED DUBNE TO BUYAC COURSE/DISTANCE/ALTITUDE FROM "224.10/6.09/3000" TO "224.11/6.33/2900" - FAF MOVED TO MAINTAIN 3.00 GPA.
7. TERMINAL ROUTES: CHANGED BUYAC TO LAGME/3.10 NM TO RW23 COURSE/DISTANCE FROM "224.06/2.22" TO "224.05/1.98" - FAF MOVED TO MAINTAIN 3.00 GPA.
8. TERMINAL ROUTES: CHANGED LAGME TO RW23 FROM "LAGME" TO "LAGME/3.10 NM TO RW23" AND COURSE FROM "224.06 TO 224.05" - FAF MOVED TO MAINTAIN 3.00 GPA.
9. TERMINAL ROUTES: ADDED CA LEG "RW23 TO 1541 MSL" - IAW 8260.58B PARA 3-5-2.
10. TERMINAL ROUTES: CHANGED DF LEG ROUTE/ALTITUDE FROM "RW23 TO ZADIT/4000" TO "1541 MSL TO IYULU/3100" - MISSED APPROACH ROUTING CHANGED DUE TO VORMON DECOMMISSIONING GQO VORTAC.
11. TERMINAL ROUTES: DELETED "ZADIT TO WOMAC" TF LEG - MISSED APPROACH ROUTING CHANGED DUE TO VORMON DECOMMISSIONING GQO VORTAC.
12. MISSED APPROACH: AMENDED INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT ZADIT AND ON 199.62 TRACK TO WOMAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000" TO "CLIMB TO 3100 DIRECT IYULU AND HOLD" - MISSED APPROACH ROUTING CHANGED DUE TO VORMON DECOMMISSIONING GQO VORTAC.
13. PROFILE LINE 2: CHANGED FROM "PROFILE STARTS AT DUBNE" TO "HOLD NE DUBNE, LT, 224.11 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000" - HOLD IN LIEU ADDED AT DUBNE.
14. PROFILE LINE 3: CHANGED FAC FROM "224.06" TO "224.05", DIST FAF TO MAP FROM "5.32" TO "5.08" AND DIST FAF TO THLD FROM "5.32" TO "5.08" - FAF MOVED TO MAINTAIN 3.00 GPA.
15. PROFILE LINE 4: CHANGED MINIMUM ALTITUDES FROM "DUBNE 3500, BUYAC 3000, LAGME/3.10 NM TO RW23 2220" TO "DUBNE 3500, BUYAC 2900, LAGME/3.10 NM TO RW23 2040" - NEW OBSTACLE EVALUATION RESULTED IN LOWER MINIMUMS.
16. DELETED ASTERISK NEXT TO STEPDOWN FIX ALTITUDE ON PROFILE LINE 4 AND "LNAV ONLY" CHART NOTE - NO LONGER REQUIRED IAW 8260.19I, PARA 8-6-10.M.
17. PROFILE LINE 5: CHANGED HAT INFORMATION FROM "448 HAT: 1.38" TO "267 HAT: 0.81" - NEW OBSTACLE EVALUATION RESULTED IN LOWER LPV MINIMUMS.
18. PROFILE LINE 6: CHANGED MINIMUM GP INTERCEPT ALTITUDE FROM "3000" TO "2900" AND ADDED "2900" TO GP ALTITUDE AT PFAF: BUYAC - PFAF LOCATION MOVED TO MAINTAIN 3.00 GPA/NEW OBSTACLE EVALUATION RESULTED IN LOWER MINIMUMS/IAW 8260.19I PARA 8-6-7.F.(3).
19. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - IAW 8260.19I PARA 8-6-8.G.(3).
20. PROFILE LINE 8: CHANGED MSA ALTITUDE FROM "5700" TO "5600" - NEW CONTROLLING OBSTACLE.
21. UPDATED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I PARA 8-6-8.B.(2).
22. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 46°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6°C OR ABOVE 54°C" - NEW 5-YEAR HISTORICAL TEMPERATURE CALCULATION.
23. DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT IRMOS ON V5-51-267-417 SOUTHBOUND" - IRMOS FEEDER SEGMENT DELETED DUE TO VORMON GQO DECOMMISSIONING.
24. ADDED CHART PLANVIEW NOTES "PROCEDURE NA FOR ARRIVALS AT REELL ON T292 SOUTHEAST BOUND, T321 SOUTHBOUND, AND T297 SOUTHEAST BOUND" AND PROCEDURE NA FOR ARRIVALS AT AWSON ON V5-311 WESTBOUND AND T297 NORTHWEST BOUND" - IAW 8260.19I PARA 8-2-5.E.(2).
25. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES - UPDATED AND MOVED TO 8260-9 PART C FOR CONTINGENCY USE; PRIMARY WEATHER SOURCE ON WMSCR.
26. ADDITIONAL FLIGHT DATA: CHANGED HOLDING FROM "HOLD NE, RT, 224.66 INBOUND" TO "HOLD SW, LT, 044.93 INBOUND" - MISSED APPROACH HOLDING CHANGED DUE TO VORMON DECOMMISSIONING GQO VORTAC.
27. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "1532 TOWER 341846N/0834712W, 1440 TOWER 341729N/0834932W" TO "1537 TOWER (13-002744) 341846N/0834712W" - NEW CONTROLLING OBSTACLE AND IAW 8260.19I PARA 8-6-10.C.
28. ADDITIONAL FLIGHT DATA: DELETED "CHART 1740 TOWER 341938N/0834745W" - NO 7:1 OBSTACLES EXIST.
29. MINIMUMS: DECREASED LPV DA/HAT ALL CATS FROM "1722/448" TO "1541/267" AND ALL CATS VISIBILITY FROM "1 3/4 SM" TO "7/8 SM" - NEW CONTROLLING OBSTACLE.
30. MINIMUMS: DECREASED LNAV/VNAV DA/HAT ALL CATS FROM "1884/610" TO "1637/363" AND ALL CATS VISIBILITY FROM "2 SM" TO "1 SM" - NEW CONTROLLING OBSTACLE.
31. MINIMUMS: DECREASED LNAV MDA/HAT ALL CATS FROM "1840/566" TO "1800/526" AND CAT D VISIBILITY FROM "1 3/4 SM" TO "1 1/2 SM" - NEW CONTROLLING OBSTACLE.
32. MINIMUMS: DECREASED CIRCLING MDA/HAA CAT A FROM "1880/603" TO "1800/523" AND CAT D FROM "2060/783" TO "2020/743" - NEW CONTROLLING OBSTACLE.
33. FAS DATA: UPDATED LTP/FTP LATITUDE/LONGITUDE FROM "341639.5070N/0834936.6580W" TO "341639.5160N/0834936.6675W" AND FPAP LATITUDE/LONGITUDE FROM "341532.1600N/0835047.2100W" TO "341532.1620N/0835047.2090W" - UPDATED AIRNAV DATA.
34. FAS DATA: UPDATED CRC REMAINDER FROM "EAB85816" TO "CD8DF17C" - LTP/FTP LATITUDE/LONGITUDE AND FPAP LATITUDE/LONGITUDE UPDATED.



AIRPORT ID
KGV L

PROCEDURE NAME
RNAV (GPS) RWY 23

ORIGINAL/AMENDMENT
2

CITY
GAINESVILLE

STATE
GA

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, ATL APP CON, AMGR

FLIGHT CHECKED BY
ERIC L GEYER

Digitally signed by
JASON KRETSCHMER
Nov 28, 2022

OFFICE
FPO

DATE
11/21/2022

DEVELOPED BY
ALLAN WILL (JILL M. SUPPES)

Digitally signed by
JASON KRETSCHMER
Oct 24, 2022

OFFICE
AJV-A423

DATE
08/08/2022

APPROVED BY
MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Oct 24, 2022

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	KGVL
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	341639.5160N
LTP/FTP LONGITUDE	0834936.6675W
LTP/FTP ELLIPSOIDAL HEIGHT	+03490
FPAP LATITUDE	341532.1620N
FPAP LONGITUDE	0835047.2090W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CD8DF17C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03787
FPAP ORTHOMETRIC HEIGHT	+03787

