

**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> KIIY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WASHINGTON	<u>STATE</u> GA		
<u>AIRPORT ELEVATION</u> 646	<u>TDZE</u> 640	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 7W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 223/30 CW 043/30	NOPT	223/20 CW 043/20		2900
2. 223/20 CW 043/20		LUYIG	IF/IAF	2400
3. 043/30 CW 223/30		LUYIG	IF/IAF	2400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LUYIG	IF/IAF	NICIY		TF	FB	1.00	313.06	7.13	2400
NICIY	FAF	ORAYO/2.77 NM TO RW31		TF	FB	0.30	312.99	2.43	
ORAYO/2.77 NM TO RW31		RW31	MAP	TF	FO	0.30	312.99	2.77	
RW31	MAP	891 MSL		CA			312.99		
891 MSL		PACIY		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 DIRECT PACIY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE LUYIG, RT, 313.06 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 312.99FAF: NICIYDIST FAF TO MAP: 5.21DIST FAF TO THLD: 5.21

4. MIN ALT: LUYIG 2400, NICIY 2400, ORAYO/2.77 NM TO RW31 1600

5. DIST TO THLD FROM OM:MM:IM:150 HAT:251 HAT: 0.62GS ANT:

6. MIN GP INCPT: 2400GP ALT AT PFAF : NICIY 2400OM:MM:IM:

7. GP ANGLE: 3.1034:1: IS NOT CLEAR20:1: IS CLEARTCH: 55.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 31 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.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 132.83 INBOUND.
CHART FAS OBST: 783 TOWER (13-021474) 334540N/0824721W.
CHART VDP AT 1.18 NM TO RW31.
WAAS CHANNEL # 45609
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 163.8 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	891	3/4	251	891	3/4	251	891	3/4	251		NA				
LNAV/VNAV DA	910	7/8	270	910	7/8	270	910	7/8	270		NA				
LNAV MDA	1040	1	400	1040	1	400	1040	1 1/8	400		NA				
CIRCLING	1080	1	434	1100	1	454	1100	1 1/2	454		NA				



CHANGES - REASONS

1. DELETED ALL FEEDER/INITIAL SEGMENT AND ASSOCIATED NOTES. - PER FPT CHECKLIST/ADDED TAA.
2. ADDED TAA AND HOLD-IN-LIEU AT LUYIG. - PER FPT CHECKLIST/CRITERIA.
3. ADDED STEPDOWN FIX (ORAYO 2.77 NM TO RW 31). - TO ACHIEVE LOWER LNAV MINIMUMS.
4. UPDATED INTERMEDIATE SEGMENT DISTANCE/ALTITUDE FROM 6.10/2300 TO 7.13/2400. - INTERMEDIATE FIX MOVED 1.17 NM SW.
5. UPDATED FINAL COURSE/DISTANCE FROM 309.00/5.07 TO 312.99/5.21. - FAF NICIY MOVED FOR UPDATED GPA/TCH 3.10/55.0; MAGVAR UPDATED.
6. ADDED MISSED APPROACH CA LEG. - IAW 8260.58B 3-5-2.
7. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2500 DIRECT HOXOD AND VIA 025.93 TACK TO VESTO AND HOLD" TO "CLIMB TO 2400 DIRECT PACIY AND HOLD." - REDESIGNED PER FPT CHECKLIST.
8. PROFILE LINE 4: UPDATED MIN ALTITUDE FROM "LUYIG 2400, NICIY 2300" TO "LUYIG 2400, NICIY 2400, ORAYO/2.77 NM TO RW31 1600." - FAF ALTITUDE UPDATED; STEPDOWN ADDED.
9. PROFILE LINE 5: DIST TO THLD FROM HAT UPDATED FROM 352 HAT: 1.03 TO 251 HAT: 0.62. - LPV MINS UPDATED DUE TO NEW CONTROLLING OBSTACLE.
10. PROFILE LINE 7: CHANGED GPA/TCH FROM 3.00/32.0 TO 3.10/55.0, AND 34:1 IS CLEAR TO 34:1 IS NOT CLEAR; ADDED 20:1 IS CLEAR. - PER DESIGN GPA/TCH; 20:1 EVALUATION IS CLEAR.
11. CHANGED PBN REQUIREMENTS FROM "RNP APCH" TO "RNP APCH - GPS." - IAW 8260.19I 8-6-8 B(2).
12. ADDED CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 34:1 PENETRATIONS PRESENT.
13. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F) UPDATED TO -16F TO 54C. - FAHRENHEIT REMOVED IAW 8260.19I.
14. ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19I 8-6-9 M.
15. REMOVED CHART NOTES: ALTERNATE ALTIMETER NOTE AND BARO-VNAV NA NOTE. - MOVED TO 8260-9 FOR CONTINGENCY USE.
16. ADDITIONAL FLIGHT DATA: ADDED CHART VDP AT 1.18 NM TO RW31. - 20:1 IS CLEAR.
17. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON. - NEW CIRCLING RADII ADDED.
18. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "779 TREE 334627N/0824843W, 1037 TOWER 334309N/0824547W" TO "783 TOWER (13-021474) 334540N/0824721W. - FINAL LNAV STEPDOWN ADDED.
19. UPDATED ALTERNATE MINIMUMS FROM NA TO STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE - PRIMARY ALTIMETER IS ON WMSCR.
20. LPV DA/HAT ALL CATS DECREASED FROM 992/352 TO 891/251; VISIBILITY DECREASED FROM 1 1/4 TO 3/4. - NEW OBSTACLE EVALUATION.
21. LNAV/VNAV DA/HAT ALL CATS DECREASED FROM 1049/409 TO 910/270; VISIBILITY DECREASED FROM 1 1/2 TO 7/8. - NEW OBSTACLE EVALUATION.
22. LNAV MDA/HAT ALL CATS DECREASED FROM 1200/560 TO 1040/400; CAT C VISIBILITY DECREASED FROM 1 5/8 TO 1 1/8. - NEW OBSTACLE EVALUATION.
23. CIRCLING MDA/HAA DECREASED FROM 1200/554 TO CAT A 1080/434, CAT B/C 1100/454; CAT VISIBILITY DECREASED FROM 1 5/8 TO 1 1/2. - NEW OBSTACLE EVALUATION.
24. UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 334634.1835N/0824837.7045W TO 334634.1840N/0824837.7040W. - UPDATED AIRNAV DATA.
25. UPDATED LTP ELLIPSOIDAL HEIGHT FROM +01639 TO +01638. - LTP/FTP LATITUDE/LONGITUDE UPDATED.
26. UPDATED FPAP LATITUDE/LONGITUDE FROM 334726.5800N/0825004.2400W TO 334726.5725N/0825004.2545W. - UPDATED AIRNAV DATA.
27. UPDATED CRC REMAINDER FROM 63707D33 TO 20FF2647. - UPDATED LTP/FTP AND FPAP LATITUDE/LONGITUDE.
28. MAGVAR UPDATED FROM 3W TO 7W, ALL COURSES UPDATED. - MAGVAR RAISED TO 2025 VALUE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

KEVIN RIESE

Digitally signed by

JON DENTON**OFFICE**

FPO

DATE

11/26/21

Nov 29, 2021

DEVELOPED BY

LONNIE EVERHART (BARBARA GORMAN)

Digitally signed by

JON DENTON**OFFICE**

AJV-A432

DATE

09/17/2021

Nov 29, 2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON**OFFICE**

AJV-A430

DATE

Nov 29, 2021

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIIY
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	334634.1840N
LTP/FTP LONGITUDE	0824837.7040W
LTP/FTP ELLIPSOIDAL HEIGHT	+01638
FPAP LATITUDE	334726.5725N
FPAP LONGITUDE	0825004.2545W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	20FF2647

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01926
FPAP ORTHOMETRIC HEIGHT	+01926

