

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> LAGRANGE-CALLAWAY	<u>AIRPORT ID</u> KLGC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LAGRANGE	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 694	<u>TDZE</u> 684	<u>SUPERSEDED</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 04/08/2010	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 12/5/2019	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 298/30 CW 118/30	NOPT	298/15 CW 118/15		3200
2. 298/15 CW 118/15		SUMDE	IF/IAF	3000
3. 118/30 CW 298/30		118/15 CW 298/15		3700
4. 118/15 CW 298/15		SUMDE	IAF	3000

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>
SUMDE	IF/IAF	TOGBE		TF	FB	1.00	028.34	6.61	2400
TOGBE	FAF	HUNOG/2.28 NM TO RW03		TF	FB	0.30	028.37	2.95	
HUNOG/2.28 NM TO RW03		RW03	MAP	TF	FO	0.30	028.37	2.28	
RW03	MAP	1300 MSL		CA			028.37		1300
1300 MSL		WERTU		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3500 DIRECT WERTU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SW SUMDE, RT, 028.34 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 028.37FAF: TOGBEDIST FAF TO MAP: 5.23DIST FAF TO THLD: 5.23
4. MIN ALT: SUMDE 3000, TOGBE 2400, HUNOG/2.28 NM TO RW03 1460*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:360 HAT: 0.97GS ANT:
6. MIN GP INCPT: 2400GP ALT AT FAF : TOGBE 2400OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 58.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 13, 21 NA AT NIGHT.
CHART NOTE: RWY 3 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 CIRCLING ICON.
CHART VDP AT 1.26 NM TO RW03*
*LNAV ONLY
WAAS CHANNEL #69243
REFERENCE PATH ID: W03A
CHART FAS OBST: 872 TREE 325931N/0850414W.
HOLD NW, RT, 130.59 INBOUND
LTP HAE: 177.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3

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	1064	1	380	1064	1	380	1064	1	380	1064	1	380			
LNAV/VNAV DA	1044	1	360	1044	1	360	1044	1	360	1044	1	360			
LNAV MDA	1140	1	456	1140	1	456	1140	1 3/8	456	1140	1 3/8	456			
CIRCLING	1280	1	586	1280	1	586	1540	2 1/2	846	1600	3	906			



CHANGES - REASONS

- 1. DELETED BACKUP ALTIMETER AND ASSOCIATED VDP/BARO-VNAV NOTE - MOVED TO THE BACK OF THE 8260-9 UNDER CONTIGENCY NOTES IAW WMSCR BACKUP ALTIMETER SOURCE EMAIL.
- 2. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F) TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C - UPDATED TEMPERATURES BASED OFF 5 YEAR ACT AND REMOVED FAHRENHEIT. FAHRENHEIT NO LONGER REQUIRED.
- 3. UPDATED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA TO RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - REQUIRED IAW 8260.19H PARA 8-6-11K (3).
- 4. DELETED NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH- IAW 8260.19H PARA 8-6-8 B(1).
- 5. DELETED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TIMMY VIA V222 SOUTHWEST BOUND AND CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CSG VORTAC AIRWAY RADIALS 339 CW 009 - FEEDERS REMOVED AND REPLACED WITH TAA.
- 6. DELETED CSG VORTAC TO NINPY, TIMMY TO CIRNU, NINPY TO SUMDE, CIRNU TO SUMDE FROM TERMINAL ROUTES - REPLACED WITH A TAA.
- 7. CHANGED LINES OF MINIMA AS FOLLOWS: LPV HAT/DA FROM 428/1112 TO 380/1064, LNAV/VNAV HAT/DA 480/1164 TO 360/1044, LNAV HAT/MDA FROM 436/1120 TO 456/1140, CIRCLING CAT C HAA/CMDA FROM 586/1280 TO 846/1540 AND CIRCLING CAT D HAA/CMDA FROM 586/1280 TO 906/1600 - LPV LOWERED DUE TO USING 34:1 INSTEAD OF 27.03:1, LNAV/VNAV LOWERED DUE TO NEW CONTROLLING OBSTACLE, LNAV INCREASED DUE TO NEW CONTROLLING OBSTACLE AND CIRCLING CAT C/D INCREASED DUE TO NEW CRITERIA APPLIED.
- 8. UPDATED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 3500 DIRECT COGED AND LEFT TURN VIA TRACK 287.99 TO WERTU AND HOLD TO CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3500 DIRECT WERTU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500 - COGED FIX IS BEING CANCELLED.
- 9. UPDATED DISTANCE FAF TO MAP/THLD FROM 5.15 TO 5.23 - PFAF LOCATION MOVED.
- 10. CHANGED CHART FAS OBST FROM 850 TREE TO 872 TREE - NEW CONTROLLING OBSTACLE.
- 11. CHANGED DISTANCE OF SUMDE TO TOGBE UNDER TERMINAL ROUTES FROM 6.69 TO 6.61 - MOVED PFAF LOCATION.
- 12. ADDED CHART NOTE: CIRCLING RWY 13, 21 NA AT NIGHT - 20:1 PENETRATIONS EXIST AND NO SURVEY FOR RWY 21.
- 13. ADDED LTP HAE: 177.6 M TO ADDITIONAL FLIGHT DATA - FAS DATA BLOCK WAS BLANK. UPDATED WITH CURRENT DATA.
- 14. CRC REMAINDER CHANGED FROM 44B7C9B3 TO 7AC7BE1F AND FPAP LONGITUDE CHANGED FROM 0850352.7700W TO 0850352.7745W - MOVED PFAF LOCATION AND UPDATED TCH. FPAP CHANGED BASED OFF TARGETS CALCULATION.
- 15. DELETED NOTE: @ NA WHEN LOCAL WEATHER NOT AVAILABLE - NO LONGER REQUIRED IAW 8260.19H PARA 8-6-9F(4).
- 16. ADDED CHART CIRCLING ICON UNDER ADDITIONAL FLIGHT DATA - UPDATING TO NEW CIRCLING CRITERIA.
- 17. ADDED 20:1 IS CLEAR TO FINAL - IAW 8260.19H PARA 8-6-7G(3).
- 18. ADDED CHART VDP AT 1.26 NM TO RW03 - IAW 8260.19H PARA 8-6-10N(3).
- 19. ADDED MAX 6000 TO HOLD-IN-LIEU ON LINE 2 - IAW 8260.19H PARA 8-6-7B(2).
- 20. CHANGED TCH FROM 60 TO 58 - WAS ABLE TO LOWER TCH WHILE STILL MITIGATING VGS PENETRATIONS.
- 21. CHANGED HUNOG DISTANCE FROM 2.20 NM TO 2.28 NM - MOVED PFAF LOCATION WHICH CAUSED SDF LOCATION TO MOVE AS WELL.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

Digitally signed by
CASIMIR L TABAKA

OFFICE

DATE

DEVELOPED BY

ALLAN WILL (SHANE FOWLER)

OFFICE

AJV-A423

DATE

03/01/2019

Digitally signed by

ALLAN WILL

Apr 11, 2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Apr 11, 2019

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLGC
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	330015.4670N
LTP/FTP LONGITUDE	0850436.5365W
LTP/FTP ELLIPSOIDAL HEIGHT	+01776
FPAP LATITUDE	330136.7700N
FPAP LONGITUDE	0850352.7745W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7AC7BE1F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02067
FPAP ORTHOMETRIC HEIGHT	+02067

