

**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> KLAL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-G	<u>CITY</u> LAKELAND	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 142	<u>TDZE</u> 136	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-F	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 321/30 CW 141/30	NOPT	321/20 CW 141/20		2800
2. 321/20 CW 141/20		ZUXON	IF/IAF	2700
3. 141/30 CW 231/30		IPUNE	IAF	2700
4. 231/30 CW 321/30		SANOY	IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
IPUNE	IAF	ZUXON	NOPT	TF	FB	1.00	140.75	5.00	2700
SANOY	IAF	ZUXON	NOPT	TF	FB	1.00	320.81	5.00	2700
ZUXON	IF/IAF	BIYAT		TF	FB	1.00	050.78	6.10	1700
BIYAT	FAF	RW05	MAP	TF	FO	0.30	050.82	4.69	
RW05	MAP	336 MSL		CA			050.82		
336 MSL		OBTOQ		DF	FB	1.00			
OBTOQ		PLUMY		TF	FO	1.00	313.01	12.17	2000

QUALITY
20
CHECKED

AIRPORT ID
KLAL

PROCEDURE NAME
RNAV (GPS) RWY 5

ORIGINAL/AMENDMENT
ORIG-G

CITY
LAKELAND

STATE
FL

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT OBTOQ AND LEFT TURN ON TRACK 313.01 TO PLUMY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW ZUXON, RT, 050.78 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	050.82	FAF: BIYAT	DIST FAF TO MAP: 4.69		DIST FAF TO THLD: 4.69
4. MIN ALT:	ZUXON 2700, BIYAT 1700				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.47	GS ANT:
6. MIN GP INCPT:	1700	GP ALT AT FAF :	BIYAT 1700	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 56.4	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLANT CITY ALTIMETER SETTING AND INCREASE ALL DA/MDA 20 FT AND LNAV CAT C/D VISIBILITY 1/8 SM.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PLANT CITY ALTIMETER SETTING.

CHART NOTE: CIRCLING NA TO RWYS 8, 26.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 197 TREE 275835N/0820146W

HOLD NE, RT, 243.00 INBOUND.

CHART FAS OBST: 197 TREE 275835N/0820146W.

CHART VDP AT 1.17 NM TO RW05

WAAS CHANNEL # 42805

REFERENCE PATH ID: W05A

LTP HAE: 13.9 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	336	3/4	200	336	3/4	200	336	3/4	200	336	3/4	200			
LNAV/VNAV DA	505	1 1/4	369	505	1 1/4	369	505	1 1/4	369	505	1 1/4	369			
LNAV MDA	560	1	424	560	1	424	560	1 1/4	424	560	1 1/4	424			
CIRCLING	600	1	458	660	1	518	660	1 1/2	518	700	2	558			

CHANGES - REASONS

1. CHANGED AIRPORT MAGVAR FROM W04/2000 TO W06/20225.
2. CHANGED HEADINGS ON ALL SEGMENTS, ADDED TWO DEGREES.
3. FAS DATA LTP COORDINATES AND CRC REMAINDER CHANGED - NEW DATA.

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMA, TPA APCH, LAL ATCT, AMGR**FLIGHT CHECKED BY**

JEFFREY ECKMAN

*Digitally signed by***JOHN BORDY**

May 04, 2021

OFFICE

FICO

DATE

4/29/2021

DEVELOPED BY

WILLIAM D. MELTON

*Digitally signed by***WILLIAM D MELTON**

Mar 10, 2021

OFFICE

AJV-A422

DATE

02/08/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

May 04, 2021

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	KLAL
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	275900.4225N
LTP/FTP LONGITUDE	0820113.3435W
LTP/FTP ELLIPSOIDAL HEIGHT	+00139
FPAP LATITUDE	280003.7300N
FPAP LONGITUDE	0820002.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00056.4
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)	35.0
CRC REMAINDER	1190E45F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00397
FPAP ORTHOMETRIC HEIGHT	+00397

