

**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 23	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> LAKELAND	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 142	<u>TDZE</u> 141	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<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. 141/30 CW 321/30	NOPT	JOVMU	IF/IAF	2700
2. 321/30 CW 051/30		EHAGU	IAF	2700
3. 051/30 CW 141/30		LEZTI	IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EHAGU	IAF	JOVMU	NOPT	TF	FB	1.00	320.95	5.00	2700
LEZTI	IAF	JOVMU	NOPT	TF	FB	1.00	140.89	5.00	2700
JOVMU	IF/IAF	OBTOQ		TF	FB	1.00	230.92	6.10	1700
OBTOQ	FAF	RW23	MAP	TF	FO	0.30	230.88	4.68	
RW23	MAP	426 MSL		CA			230.88		
426 MSL		BIYAT		DF	FB	1.00			
BIYAT		MIREE		TF	FB	1.00	330.00	6.50	
MIREE		PLUMY		TF	FO	1.00	013.82	9.37	2000



AIRPORT ID
KLAL

PROCEDURE NAME
RNAV (GPS) RWY 23

ORIGINAL/AMENDMENT
ORIG-E

CITY
LAKELAND

STATE
FL

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT BIYAT AND RIGHT TURN ON TRACK 330.00 TO MIREE THEN ON TRACK 013.82 TO PLUMY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NE JOVMU, RT, 230.92 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	230.88	FAF: OBTOQ	DIST FAF TO MAP: 4.68		DIST FAF TO THLD: 4.68
4. MIN ALT:	JOVMU 2700, OBTOQ 1700				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	285 HAT: 0.74	GS ANT:
6. MIN GP INCPT:	1700	GP ALT AT FAF :	OBTOQ 1700	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 50.0	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 FEET AND INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/8 SM.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PLANT CITY ALTIMETER SETTING.
CHART NOTE: RWY 23 HELICOPTOR VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.

ADDITIONAL FLIGHT DATA:

CHART 580 TOWER 280300N/0815632W
HOLD NE, RT, 243.00 INBOUND.
CHART FAS OBST: 465 TOWER 280224N/0815738W.
CHART VDP AT 1.66 NM TO RW23
WAAS CHANNEL # 77805
REFERENCE PATH ID: W23A
LTP HAE: 17.2 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	426	1	285	426	1	285	426	1	285	426	1	285			
LNAV/VNAV DA	480	1 1/4	339	480	1 1/4	339	480	1 1/4	339	480	1 1/4	339			
LNAV MDA	720	1	579	720	1	579	720	1 5/8	579	720	1 3/4	579			
CIRCLING	720	1	578	720	1	578	720	1 5/8	578	720	2	578			

CHANGES - REASONS

1. CHANGED AIRPORT MAG VAR FROM W04/2000 TO W06/2025.
2. CHANGED HEADINGS FOR ALL ROUTES 2 DEGREES.
3. FAS DATA LTP COORDINATES AND CRC REMAINDER CHANGED - NEW DATA.

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** LAL ATCT, TAMPA APP CON, ZMA,**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

02/05/2021

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	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	275935.5185N
LTP/FTP LONGITUDE	0820034.0070W
LTP/FTP ELLIPSOIDAL HEIGHT	+00172
FPAP LATITUDE	275832.1800N
FPAP LONGITUDE	0820144.9800W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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	4F19042F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00430
FPAP ORTHOMETRIC HEIGHT	+00430

