

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> LOUISA COUNTY/FREEMAN FIELD	<u>AIRPORT ID</u> KLKU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LOUISA	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 494	<u>TDZE</u> 494	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/29/2010	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 182/30 CW 002/30	NOPT	JODKA	IF/IAF	2900
2. 002/30 CW 182/30		002/14 CW 182/14		4000
3. 002/14 CW 182/14		JODKA	IAF	2900

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>
JODKA	IF/IAF	LUYIS		TF	FB	1.00	272.47	5.96	2300
LUYIS	FAF	OVILY/1.41 NM TO RW27		TF	FB	0.30	272.41	4.14	
OVILY/1.41 NM TO RW27		RW27	MAP	TF	FO	0.30	272.41	1.41	
RW27	MAP	1000 MSL		CA			272.41		1000
1000 MSL		GVE VORTAC		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2900 DIRECT GVE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD E JODKA, RT, 272.47 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 272.41FAF: LUYISDIST FAF TO MAP: 5.55DIST FAF TO THLD: 5.55
4. MIN ALT: JODKA 2900, LUYIS 2300, OVILY/1.41 NM TO RW27 980*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.66GS ANT:
6. MIN GP INCPT: 2300GP ALT AT FAF : LUYIS 2300OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA N OF RWY 9-27.
CHART NOTE: BARO-VNAV NA WHEN USING ORANGE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE ALL DA TO 780 FEET AND ALL MDA 40 FEET AND INCREASE LPV AND LNAV/VNAV VISIBILITY 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #58318
REFERENCE PATH ID: W27A
CHART FAS OBST: 599 TREE 380101N/0775800W.
HOLD S, RT, 002.00 INBOUND
LTP HAE: 118.1 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	744	3/4	250	744	3/4	250		NA			NA				
LNAV/VNAV DA	744	3/4	250	744	3/4	250		NA			NA				
LNAV MDA	860	1	366	860	1	366		NA			NA				
CIRCLING	900	1	406	960	1	466		NA			NA				



CHANGES - REASONS

1. CHANGED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE ALL DA 38 FEET AND ALL MDA 40 FEET AND INCREASE LNAV/VNAV VISIBILITY 1/4 MILE" TO READ "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE ALL DA TO 780 FEET AND ALL MDA 40 FEET AND INCREASE LPV AND LNAV/VNAV VISIBILITY 1/8 SM" - RASS VALUE CHANGED WITH UTILIZING NEW TARGETS PROGRAMMING AND IAW AJV-5 VISICHECK TOOL SOP.
2. FAS DATA BLOCK: CRC REMAINDER CHANGED FROM 2EE731B2 TO 51D7B00B - RECOMPUTED USING UPDATED LTP AND FPAP LAT/LONG.
3. ADDED CHARTING OF CIRCLING ICON - IAW 8260.19H, PARA 8-6-10T.
4. REMOVED CHART NOTES: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H.
5. REMOVED CHART NOTE VISIBILITY REDUCTION BY HELICOPTERS NA - NO PENETRATIONS EXIST.
6. TDZE AND APT ELEV CHANGED FROM 493 TO 494 - NEW AIRPORT SURVEY DATA AVBL IN AIRNAV.
7. MISSED APPROACH CHANGED FROM "CLIMB TO 2900 DIRECT ITQUH AND TRACK 283.51 TO GVE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900" TO READ "CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2900 DIRECT
- GVE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900" - FIX ITQUH TOO CLOSE TO MAP TO CONSTRUCT EARLY TURN TIW BACK IN TARGETS, ATC AND FPT CONCUR WITH CHANGE.
8. DELETED INITIALS FROM WERDA AND BECBA AND TAA BASES AND REPLACED WITH A MODIFIED HALF-MOON TAA - ATC/FPT REQUEST TO SIMPLIFY THE PROCEDURE.
9. REMOVED SI-TAA (NOPT) 25 NM STEPDOWN SECTOR - TARGETS ACCURATELY EVALUATES MOUNTAINOUS TERRAIN, STEPDOWN NO LONGER NEEDED.
10. LPV DA CHANGED FROM 743 TO 744 - NEW TDZE ELEV FROM SURVEY DATA.
11. LPV VISIBILITY CHANGED FROM 1 SM TO 3/4 SM- IAW 8260.3 TABLE 3-3-1.
12. LNAV/VNAV VISIBILITY CHANGED FROM 1 1/4 TO TO 3/4 SM AND DA CHANGED FROM 859 TO 744 - NEW CONTROLLING OBSTACLE DUE TO NEW RUNWAY VG SURVEY.
13. CIRCLING CAT A MDA CHANGED FROM 920 TO 900 - NEW CONTROLLING OBSTACLE DUE TO NEW RUNWAY VG SURVEY.
14. REMOVED FAHRENHEIT TEMPS FROM THE LNAV/VNAV NA BELOW NOTE - NO LONGER REQUIRED.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: AMGR, PCT TRACON, ZDC

<div><div>FLIGHT CHECKED BY</div><div>Digitally signed by</div><div>STEPHEN BAUER</div><div>Apr 15, 2019</div></div>		<div><div>OFFICE</div><div>FICO</div></div>	<div><div>DATE</div><div>4/11/19</div></div>	
<div><div>DEVELOPED BY</div><div>DAVID DANNER (JOHN LINDSEY)</div><div>Digitally signed by</div><div>DAVID DANNER</div><div>Apr 15, 2019</div></div>		<div><div>OFFICE</div><div>AJV-A421</div></div>	<div><div>DATE</div><div>02/08/2019</div></div>	
<div><div>APPROVED BY</div><div>Digitally signed by</div><div>JULIE MORGAN</div><div>DAVID DANNER</div><div>Apr 15, 2019</div></div>		<div><div>OFFICE</div><div>AJV-A42</div></div>	<div><div>DATE</div><div></div></div>	<div><div>TITLE</div><div>MANAGER</div></div>



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLKU
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	380038.2035N
LTP/FTP LONGITUDE	0775745.8330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01181
FPAP LATITUDE	380026.2945N
FPAP LONGITUDE	0775937.5605W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	51D7B00B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01504
FPAP ORTHOMETRIC HEIGHT	+01504

