

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
LKU	LOC RWY 27	4A	LOUISA	VA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
494	494	LOC RWY 27	4	08/15/2019	10W	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-LKU			ROUTINE			

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>
GVE VORTAC		JODKA/I-LKU 12.26 DME					092.11	20.47	2900
JODKA/I-LKU 12.26 DME	IF/IAF	LUYIS/I-LKU 6.30 DME					272.33 (I-LKU)	5.96	2300

MISSED APPROACH

MAP:

LOC: I-LKU /0.76 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB 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/I-LKU 12.26 DME, RT, 272.33 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 4900. | | | | |
| 3. FAC: | 272.33 | FAF: | LUYIS/I-LKU 6.30 DME | DIST FAF TO MAP: | DIST FAF TO THLD: 5.55 |
| 4. MIN ALT: | JODKA/I-LKU 12.26 DME 2900, LUYIS/I-LKU 6.30 DME 2300, OVILY/I-LKU 2.17 DME 980 | | | | |
| 8. MSA FROM: | GVE VORTAC 045-225 2000, 225-045 4900 | | | | |

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA N OF RWYS 9 AND 27.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OMH ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: GVE 20.47 DME AT JODKA.

HOLD S, RT, 002.00 INBOUND.

CHART FAS OBST: 586 TOWER (51-073258) 380058N/0775534W.

LUYIS TO RW27: 3.00/40.

CHART CIRCLING ICON.



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

ALTERNATE: NA ☒

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
S-LOC 27	900	1	406	900	1	406		NA			NA				
CIRCLING	920	1	426	960	1	466		NA			NA				

CHANGES - REASONS

- 1.PROFILE: LINE 3 REMOVED "5.55" FROM DISTANCE FAF TO MAP - NO LONGER NEEDED, TIME/DISTANCE TABLE IS NOT REQUIRED.
2. NOTES: REMOVED CHART NOTE "VDP NA WHEN USING ORANGE ALTIMETER SETTING" - VDP IS NOT PUBLISHABLE, VDP IS WITHIN 0.5 NM OF SDF.
3. NOTES: CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OMH ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET" - UPDATED TO CURRENT 8260.19J FORMATTING.
4. ADDITIONAL FLIGHT DATA: ADDED "CHART FAS OBST: 586 TOWER (51-073258) 380058N/0775534W" - NEW CONTROLLING OBSTACLE.
5. ADDITIONAL FLIGHT DATA: REMOVED "CHART VDP AT 1.65 DME" VDP IS NOT PUBLISHABLE.
6. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE VDP TO THLD 0.90 NM" - VDP IS NOT PUBLISHABLE.
7. MINIMUMS: CHANGED FROM S-LOC 27 "MDA 820/326 HAT" TO "MDA 900/406 HAT" - NEW OBSTACLE SURVEY.
8. MINIMUMS: CHANGED FROM CIRCLING CAT A FROM "CMDA 900/406 HAA" TO "CMDA 920/426 HAA" - NEW OBSTACLE SURVEY.
9. MISSED APPROACH INSTRUCTIONS: MISSED APPROACH CHANGED FROM "CLIMB TO 2900 DIRECT GVE VORTAC AND HOLD" TO "CLIMB TO 2900 DIRECT GVE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900" - ADDED CLIMB IN-HOLD, CLEARANCE LIMIT AC ALTITUDE DID NOT MEET MISSED HOLDING ALTITUDE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, PCT TRACON, ZDC

FLIGHT CHECKED BY
MICHAEL G CAMPBELL

Digitally signed by
ROBERT G HAMILTON
Jul 28, 2025

OFFICE
AJF
DATE
07/24/2025

DEVELOPED BY
TRAVIS BRISTOW

Digitally signed by
TRAVIS D BRISTOW
Apr 24, 2025

OFFICE
AJV-A421
DATE
01/29/2025

APPROVED BY
DAVID DANNER

Digitally signed by
ROBERT G HAMILTON
Jul 28, 2025

OFFICE
AJV-A421
DATE
TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LKU	LOC RWY 27	4A	LOUISA	VA	494	I-LKU

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM GVE VORTAC **TO** JODKA/I-LKU 12.26 DME

<u>RNP</u>	<u>DISTANCE</u> 20.47	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-001287)	375700.00N/0780641.00W	838	500	50	5D	2000					2900
TERRAIN	375657.00N/0780645.00W	591 (600)								AS1500	2100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM JODKA/I-LKU 12.26 DME (IF/IAF) **TO** LUYIS/I-LKU 6.30 DME

<u>RNP</u>	<u>DISTANCE</u> 5.96	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-001152)	380317.00N/0774810.00W	730	500	50	5D	500				AT1070	2300
TERRAIN	380212.00N/0775015.00W	427 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LOC

FROM

LUYIS/I-LKU 6.30 DME

TO

OVILY/I-LKU 2.17 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>			<u>HMAS</u>	
	4.14										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	380042.00N/0775206.00W	666	215	8	4B	250				RA60	980

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

OVILY/I-LKU 2.17 DME

TO

I-LKU /0.76 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	1.41		I-LKU /0.76 DME				406				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-073258)	380057.67N/0775534.27W	586	250	50	4D	250				AC50	900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

JODKA/I-LKU 12.26 DME

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (51-001152)	380317.00N/0774810.00W	730	500	50	5D	1000				AT1170	2900
TERRAIN	380248.00N/0774918.00W	417 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

I-LKU /0.76 DME

TO

GVE VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 570			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2900
TOWER (51-000969)	380118.11N/0780014.70W	819	20	3	1A	1000					1900
TERRAIN	380300.00N/0780500.00W	544 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

LKU

PROCEDURE NAME

LOC RWY 27

AMDT NO.

4A

CITY

LOUISA

STATE

VA

AIRPORT ELEVATION

494

FACILITY

I-LKU

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (51-077630)	375934.91N/0775651.49W	1.30	426	614	50	20	2C	300			920
CATEGORY B											
TOWER (51-077630)	375934.91N/0775651.49W	1.82	466	614	50	20	2C	300		XP46	960

CIRCLING REMARKS:
XP - TO MAINTAIN PREVIOUS CMDA.

MSA

CENTER

GVE VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
045-225	AAO	373448.00N/0782442.00W	211	28.8	916	250	125	4E	1000			2000
225-045	AAO	382356.82N/0783001.80W	331	28.4	3840	1000	3	6A	1000			4900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT: 100 FT USED
CIRCLING NA NORTH OF RWY 9-27 DUE TO NOISE ABATEMENT, PER FPT BOB MCCULLAR; EMAIL APT MGR VIRGIL HILL DATED 29 JUNE 2015 (RETAINED FROM PREVIOUS REVISION).



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDC ARTCC, PCT TRACON, LEESBURG FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3	LKU	24	LKU	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3	OMH	24	OMH	14.75	Y	41

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KLKU 494, KOMH 446
RA = 40.6.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-LKU	FBO	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	
RW27 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - VDP IS WITHIN 0.5 NM OF SDF.

ALTERNATE MINIMUMS NA DUE TO PART TIME REMOTE MONITORING AT FBO.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.88
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.84
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	262.33
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	4.95
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.29
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	262.33
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)	380038.20N/0775745.83W
ARP COORDINATES	380035.37N/0775812.46W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 27 DISTANCE 0.35 NM
FAF COORDINATES	380122.43N/0775048.40W
FIX NAME COORDINATES	IF/IAF JODKA 380209.56N/0774319.92W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

OVILY SDF 380049.51N/0775559.74W.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
TRAVIS BRISTOW	AJV-A421	01/29/2025	AERONAUTICAL INFORMATION SPECIALIST

