

**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> KLWD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LAMONI	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 1131	<u>TDZE</u> 1131	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/11/2006	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 268/30 CW 088/30	NOPT	YEFBE	IF/IAF	3000
2. 088/30 CW 178/30		UKIVY	IAF	3000
3. 178/30 CW 268/30		ZICRE	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UKIVY	IAF	YEFBE	NOPT	TF	FB	1.00	088.12	7.00	3000
ZICRE	IAF	YEFBE	NOPT	TF	FB	1.00	268.32	7.00	3000
YEFBE	IF/IAF	XIPZY		TF	FB	1.00	358.21	4.83	2800
XIPZY	FAF	RW36	MAP	TF	FO	0.30	358.22	5.09	
RW36	MAP	2000 MSL		CA			358.22		2000
2000 MSL		YEFBE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000, THEN CLIMBING RIGHT TURN TO 3000 DIRECT YEFBE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED UKIVY TO YEFBE COURSE/DISTANCE FROM "088.15/5" TO "088.12/7" - LENGTHENED INITIAL SEGMENT TO COMPLY WITH 8260.58A 1-2-5. B (1).
2. TERMINAL ROUTES: UPDATED ZICRE TO YEFBE COURSE/DISTANCE FROM "268.29/5" TO "268.32/7" - LENGTHENED INITIAL SEGMENT TO COMPLY WITH 8260.58A 1-2-5. B (1).
3. TERMINAL ROUTES: UPDATED YEFBE TO XIPZY COURSE/DISTANCE FROM "358.22/5" TO "358.21/4.83" - LENGTHENED INITIAL SEGMENT TO COMPLY WITH 8260.58A 1-2-5. B (1).
4. TERMINAL ROUTES: CHANGED XIPZY FAC TO RWY 36 DISTANCE FROM "5NM" TO "5.09NM" - NEW TARGETS EVALUATION.
5. TERMINAL ROUTES: CHANGED XIPZY TO MAP DISTANCE FROM "5NM" TO "5.09NM" - NEW TARGETS EVALUATION.
6. MISSED APPROACH: ADDED LPV AND LNAV/VNAV MINS - PER FPT REQUEST.
7. CHART NOTE: DELETED DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19I PARA 8-6-8.B (2).
8. NOTES: ADDED FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
9. NOTES: ADDED CHART NOTE: CIRCLING NA W OF RWY 18-36 - PER FPT REQUEST.
10. NOTES: ADDED CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED - NEW 34:1 PENETRATIONS.
11. NOTES: ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED PER 8260.3D.
12. NOTES: ADDED CAT C AND D MINIMUMS - PER IFP CHECKLIST.
13. ADDITIONAL FLIGHT DATA: REMOVED CHART ASOS FREQUENCY - 8260.19I, 8-2-4. B (3).
14. ADDED "CHART VDP AT 1.25 NM TO RW36" TO ADDITIONAL FLIGHT DATA - 8260.19I, 8-6-10M.
15. ADDED "REFERENCE PATH ID: W36A" TO ADDITIONAL FLIGHT DATA - 8260.19I, 8-6-10N.
16. ADDED "LTP HAE: 312.7 M" TO ADDITIONAL FLIGHT DATA -- NEW FAS DATA FOR LPV MINIMUMS.
17. UPDATED ALTERNATE MINIMUMS FROM "NA" TO "STANDARD" - NA WHEN LOCAL WEATHER NOT AVAILABLE - ADDED CAT C AND D MINIMUMS PER FPT.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, AMGR

FLIGHT CHECKED BY

CRAIG LARSON

Digitally signed by

ALLAN WILL

Sep 21, 2021

OFFICE

FPO

DATE

09/16/2021

DEVELOPED BY

ALLAN WILL (GREG LINDSEY)

Digitally signed by

ALLAN WILL

Sep 21, 2021

OFFICE

AJV-A423

DATE

07/16/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Sep 21, 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	KLWD
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	403739.8155N
LTP/FTP LONGITUDE	0935408.4845W
LTP/FTP ELLIPSOIDAL HEIGHT	+03127
FPAP LATITUDE	403908.9535N
FPAP LONGITUDE	0935405.9840W
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	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F0A7C816

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03442
FPAP ORTHOMETRIC HEIGHT	+03442

