

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> KLRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> LE MARS	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 1197	<u>TDZE</u> 1197	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/15/2015	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 12/31/2020	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 275/30 CW 095/30	NOPT	KAGTE	IF/IAF	4400
2. 095/30 CW 275/30		KAGTE	IAF	4400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KAGTE	IF/IAF	NISDE		TF	FB	1.00	004.96	2.50	4000
NISDE		HEDBA		TF	FB	1.00	004.96	3.80	2900
HEDBA	FAF	ECUTU/2.10 NM TO RW36		TF	FB	0.30	004.97	3.13	
ECUTU/2.10 NM TO RW36		RW36	MAP	TF	FO	0.30	004.97	2.10	
RW36	MAP	1469 MSL		CA			004.97		
1469 MSL		ETNOE		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT ETNOE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
18
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S KAGTE, RT, 004.96 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 004.97FAF: HEDBADIST FAF TO MAP: 5.23DIST FAF TO THLD: 5.23

4. MIN ALT: KAGTE 4400, NISDE 4000, HEDBA 2900, ECUTU/2.10 NM TO RW36 1900*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:272 HAT: 0.74GS ANT:

6. MIN GP INCPT: 2900GP ALT AT FAF : HEDBA 2900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
*LNAV ONLY

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 185.01 INBOUND.
CHART FAS OBST: 1399 TREE 424503N/0961107W.
CHART VDP AT 1.33 NM TO RW36*
*LNAV ONLY.
WAAS CHANNEL # 42516
REFERENCE PATH ID: W36A
CHART CIRCLING ICON.
LTP HAE: 337.6 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	1469	1	272	1469	1	272	1469	1	272		NA				
LNAV/VNAV DA	1723	1 7/8	526	1723	1 7/8	526	1723	1 7/8	526		NA				
LNAV MDA	1660	1	463	1660	1	463	1660	1 3/8	463		NA				
CIRCLING	1760	1	563	1780	1	583	1840	1 3/4	643		NA				

CHANGES - REASONS

INOCRPORATED ALL CHANGES FROM P-NOTAM AMENDMENTS 1A AND 1B

1. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H
2. UPDATED AND MOVED BACK-UP ALTIMETER NOTE TO THE -9 - 8260.19H
3. CHANGED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 54°C (130°F). TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C. - UPDATED NOTE IAW 8260.19H
4. CHANGED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA TO RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. - 20:1 IS NOW CLEAR, 34:1 IS NOT.
5. CIRCLING CAT C MINS CHANGED FROM CMDA/HAA OF 1820/623 TO 1840/643 - CIRCLING EXPANDED.
6. ADDED CHART CIRCLING ICON - EXPANDED CIRCLING APPLIED.
7. ADDED CHART VDP AT 1.33 NM TO RWY36* TO ADDITIONAL FLIGHT DATA - VDP IS NOW PUBLISHABLE, 20:1 IS NOW CLEAR.
8. CRC REMAINDER CHANGED FROM C993DB55 TO E2D522B2 - LPV DA CHANGED ON AMENDMENT 1B.
9. REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - VGSI REMOVED FROM RUNWAY.

11/23/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 8/28/2020.

1. REQUIRED EFFECTIVE DATE CHANGED FROM ROUTINE TO 12/31/2020.

COORDINATED WITH:A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAL ☐ NBAA ☒ **OTHER:** ZMP, SUX APP CON, AMGR**FLIGHT CHECKED**

MICHAEL A. GREENWOOD

Digitally signed by

DEVELOPED BY

TYLER MITCHELL

TYLER D MITCHELL

Nov 23, 2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

DAVID TEFFETELLER

Nov 23, 2020

OFFICE

FICO

OFFICE

AJV-A432

OFFICE

AJV-A430

DATE

01/20/2021

DATE

08/10/2020

DATE**TITLE**

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRJ
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	424621.0405N
LTP/FTP LONGITUDE	0961141.0195W
LTP/FTP ELLIPSOIDAL HEIGHT	+03376
FPAP LATITUDE	424749.3000N
FPAP LONGITUDE	0961124.2200W
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	E2D522B2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03639
FPAP ORTHOMETRIC HEIGHT	+03639

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

<u>AIRPORT ID</u> KLRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 1C	<u>CITY</u> LE MARS	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 1197	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
275/30 CW 095/30

TO
KAGTE

<u>RNP</u>	<u>DISTANCE</u>	<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>
												1.TOWER (19-000403)	423512.00N/0961358.00W	3369	500	125	5E	1000					4400
												2.TERRAIN	423609.00N/0965454.00W	1644 (1600)								AS1500	3100

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
095/30 CW 275/30

TO
KAGTE

<u>RNP</u>	<u>DISTANCE</u>	<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>
												1.TOWER (19-000403)	423512.00N/0961358.00W	3369	500	125	5E	1000					4400
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<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

