

**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> KLDM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> LUDINGTON	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 646	<u>TDZE</u> 646	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1985
<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>		

**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>
PECOF	IAF	TULHE		TF	FB	1.00	254.27	5.00	2500
TULHE	IF	SAYXE		TF	FB	1.00	254.19	6.39	2500
SAYXE	FAF	JILIN/2.50 NM TO RW26		TF	FB	0.30	254.09	3.10	
JILIN/2.50 NM TO RW26		RW26	MAP	TF	FO	0.30	254.09	2.50	
RW26	MAP	975 MSL		CA			254.09		
975 MSL		EMGEF		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW26

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT EMGEF AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT TULHE

3. FAC:

254.09

FAF: SAYXE

DIST FAF TO MAP: 5.61

DIST FAF TO THLD: 5.61

4. MIN ALT: TULHE 2500, SAYXE 2500, JILIN/2.50 NM TO RW26 1480

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

329 HAT: 0.91

GS ANT:

6. MIN GP INCPT:

2500

GP ALT AT FAF :

SAYXE 2500

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS NOT CLEAR

20:1:

IS CLEAR

TCH:

40.0

8. MSA FROM: RW26 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 1, 19 NA AT NIGHT.  
CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 073.94 INBOUND.  
CHART FAS OBST: 737 TREE (26-030071) 435758N/0862252W.  
CHART VDP AT 1.03 NM TO RW26.  
WAAS CHANNEL # 49206  
REFERENCE PATH ID: W26A  
LTP HAE: 161.8 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	975	1	329	975	1	329	975	1	329	975	1	329			
LNAV/VNAV DA	1020	1	374	1020	1	374	1020	1	374	1020	1	374			
LNAV MDA	1000	1	354	1000	1	354	1000	1	354	1000	1	354			
CIRCLING	1160	1	514	1160	1	514	1200	1 1/2	554	1300	2	654			



**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED FEEDER SEGMENT "HIC VOR/DME TO PECOF" - HIC VOR/DME OTS, SCHEDULE TO BE DECOMMISSIONED FY22, VORMON.
2. TERMINAL ROUTES: REMOVED IAF SEGMENT "MBL VOR/DME TO TULHE" - MBL VOR DECOMMISSIONED WITH VORMON.
3. PBN REQUIREMENT NOTES: UPDATED FROM: "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8(B)(2).
4. REMOVED "LNAV ONLY" FROM NOTES SECTION - NO LONGER REQUIRED, IAW 8260.19I 8-6-10 M.
5. PROFILE LINE 4: UPDATED FROM "TULHE 2500, SAYXE 2500, JILIN/2.50 NM TO RW26 1480" TO "TULHE 2500, SAYXE 2500, JILIN/2.50 NM TO RW26 1480" - \* NO LONGER REQUIRED, IAW 8260.19I 8-6-7D.
6. MINIMUMS: UPDATED LPV, LNAV/VNAV VISIBILITIES FROM "1 1/4" TO "1" - IAW 8260.3D TABLE 3-3-7.
7. MINIMUMS: UPDATED LNAV CAT D VISIBILITY FROM "1 1/4" TO "1" - IAW 8260.3D TABLE 3-3-7.
8. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "737 TREE 435758N/0862252W" TO "737 TREE (26-030071) 435758N/0862252W" - IAW 8260.19I 8-6-10 C.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT:  
GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

**OFFICE** *Digitally signed by*  
**JOHN BORDY**  
Aug 19, 2021

**DATE****DEVELOPED BY**

JOHN BORDY (JUDITH TUTTLE)

*Digitally signed by*  
**JOHN BORDY**  
Aug 19, 2021

**OFFICE**  
AJV-A422

**DATE**  
07/07/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*  
**JOHN BORDY**  
Aug 19, 2021

**OFFICE**  
AJV-A420

**DATE**

**TITLE**  
MANAGER

QUALITY  
8  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLDM
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	435749.4905N
LTP/FTP LONGITUDE	0862343.7605W
LTP/FTP ELLIPSOIDAL HEIGHT	+01618
FPAP LATITUDE	435720.4800N
FPAP LONGITUDE	0862540.4000W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	880A99BC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01970
FPAP ORTHOMETRIC HEIGHT	+01970

