

**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> KCAD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> CADILLAC	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 1307	<u>TDZE</u> 1307	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 09/20/2012	<u>MAG VAR</u> 4W	<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**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TVC VOR/DME		JIXMO		TF	FB	1.00	201.86	25.09	3600
MBL DME		JIXMO		TF	FB	1.00	093.94	22.66	3600
JIXMO	IAF	WIKAP	NOPT	TF	FB	1.00	160.15	5.00	3600
ISNEW	IAF	WIKAP	NOPT	TF	FB	1.00	340.21	5.00	3600
WIKAP	IF/IAF	GEWIZ		TF	FB	1.00	070.18	6.10	3200
GEWIZ	FAF	RW07	MAP	TF	FO	0.30	070.26	5.72	
RW07	MAP	1507 MSL		CA					
1507 MSL		TEVUY		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**  
LPV: DA  
LNAV/VNAV: DA  
LNAV: RW07

**MISSED APPROACH INSTRUCTIONS:**  
CLIMB TO 3000 DIRECT TEVUY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. ALL CHANGES FROM AMENDMENTS ORIG-A /ORIG-B AND T-NOTAM HAVE BEEN INCORPORATED INTO THIS PROCEDURE. - 8260.19I 8-3-4-C(3).
2. TERMINAL ROUTES: CHANGED COURSES; TVC VOR/DME-JIXMO FROM 201.87 TO 201.86 AND MBL VOR/DME-JIXMO FROM 093.95 TO 093.94, AND REMOVED HIC VOR/DME-JIXMO FEEDER. - NEW AIRNAV DATA, NEW EVAL COMPLETE, AND HIC VOR/DME DECOM.
3. PROFILE: LINE 2; ADDED "MAX 6000", LINE 3; CHANGED FAC FROM 070.27 TO 070.26, LINE 5; ADDED DIST TO THLD FROM FAF: 5.72 AND 200 HAT: 0.48, LINE 7; CHANGED GP FROM 3.00 TO 3.05 AND ADDED 20:1: IS CLEAR. - IAW 8260.19I 8-6-7, NEW AIRNAV DATA, AND NEW EVAL COMPLETE.
4. PBN REQUIREMENTS NOTE: REMOVED DME/DME RNP-0.3 NA FROM NOTES AND ADDED RNP APCH - GPS. - IAW 8260.19I 8-6-8.
5. NOTES: REMOVED SECONDARY ALTIMETER NOTES, REMOVED ARRIVALS AT HIC VOR/DME NOTE, CHANGED INOP TABLE NOTE FROM "LNAV CAT C VISIBILITIES" TO "LPV ALL CATS", CHANGED BARO-VNAV NOTE FROM "NA BELOW -17C (2F) OR ABOVE 46C (114F)" TO "NA BELOW -24°C OR ABOVE 54°C", CHANGED ARRIVALS AT TVC VOR/DME NOTE FROM "ARRIVALS AT TVC VOR/DME VIA V320 NORTHWEST BOUND" TO "ARRIVAL ON TVC VOR/DME AIRWAY RADIALS 138 CW 270", ADDED "CIRCLING NA TO RWYS 18 AND 36", AND ADDED INOP ALS NOTE. - IAW 8260.19I 8-6-9, RWY 18 AND 36 ARE TURF, AND SECONDARY ALTIMETER NOTES ENTERED IN BACK OF -9.
6. ADDITIONAL FLIGHT DATA: REMOVED ALL OLD FAS OBSTS AND ADDED 1500 AAO, REMOVED DIST TO THLD FROM 200 HAT: 0.49NM, CHANGED VDP FROM 1.36 MILES TO 1.35 NM, AND ADDED CHART CIRCLING ICON. - IAW 8260.19I 8-6-10, NEW EVAL COMPLETED, AND CIRCLING RADII UPDATED BASED ON ILS OR LOC RWY 7 FULL AMDT.
7. ALTERNATE MINIMUMS: ADDED CAT D 800-2 1/2. - CIRCLING RADII UPDATED WITH NEW CONT OBSTS.
8. MINIMUMS: LNAV/VNAV ALL CATS CHANGED FROM 1 1/2 SM TO 1 SM AND LNAV CAT C FROM 1 1/4 SM TO 1 1/8 SM AND CAT D FROM 1 1/2 SM TO 1 1/8 SM. - NEW EVAL COMPLETE AND IAW 8260.3D 3-3-2.
9. MINIMUMS: CIRCLING MINS CHANGED CAT A/B FROM 1900/593 TO 1840/533, CAT C FROM 1900/593/1 1/2 SM TO 2040/733/2 SM, AND CAT D FROM 1900/593/2 SM TO 2060/753/2 1/2 SM. - CIRCLING RADII UPDATED WITH NEW CONT OBSTS AND IAW 8260.3D 3-3-2.
10. CRC REMAINDER CHANGED FROM 9B7E84B5 TO A19F886A. - GPA CHANGED FROM 3.00 TO 3.05, FPAP CHANGED FROM 441642.1900N/0852448.0300W TO 441658.0940N/0852357.4225W, COURSE WIDTH CHANGED FROM 95.75 TO 106.75, AND LENGTH OFFSET CHANGED FROM 0000 TO 1224.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

JAMES ONIEAL

*Digitally signed by*

**JOHN BORDY**

Sep 15, 2021

**OFFICE**

FPO

**DATE**

09/08/2021

**DEVELOPED BY**

JOHN BORDY (ANDRE TUCKER)

*Digitally signed by*

**JOHN BORDY**

Sep 15, 2021

**OFFICE**

AJV-A422

**DATE**

07/15/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JOHN BORDY**

Sep 15, 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	KCAD
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	441622.3740N
LTP/FTP LONGITUDE	0852551.0420W
LTP/FTP ELLIPSOIDAL HEIGHT	+03648
FPAP LATITUDE	441658.0940N
FPAP LONGITUDE	0852357.4225W
THRESHOLD CROSSING HEIGHT (TCH)	00044.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.05
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A19F886A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03981
FPAP ORTHOMETRIC HEIGHT	+03981

