

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> ILS OR LOC RWY 7	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CADILLAC	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 1307	<u>TDZE</u> 1307	<u>SUPERSEDED</u> ILS OR LOC RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 12/03/2020	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> I-MAY	<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>
MIXXR/I-MAY 14.99 DME/RADAR	IF	WEXOR LOM/I-MAY 6.45 DME					070.35	8.54	3200

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.46 NM AFTER WEXOR LOM/I-MAY 6.45 DME OR AT I-MAY 0.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 3200 DIRECT WEXOR LOM/I-MAY 6.45 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	R	SIDE OF COURSE	250.35	OUTBOUND	3600	FT WITHIN	10	MILES OF	WEXOR LOM (IAF)
2.									
3. FAC:	070.35	FAF: WEXOR LOM/I-MAY 6.45 DME		DIST FAF TO MAP: 5.46		DIST FAF TO THLD: 5.46			
4. MIN ALT: WEXOR LOM/I-MAY 6.45 DME 3200									
5. DIST TO THLD FROM OM:	5.46	MM:		IM:	150 HAT:	GS ANT:	858		
6. MIN GS INCPT:	3200	GS ALT AT FAF :				OM:	3091	MM:	IM:
7. GP ANGLE:	3.00	34:1:		20:1:		TCH:	44.8		
8. MSA FROM: MA LOM 4000									

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.



NOTES:

CHART NOTE: CIRCLING NA TO RWYS 18 AND 36.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 7 ALL CATS.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 7 CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 070.35 INBOUND.
FAS OBST: 1500 AAO 441518N/0853021W.
CHART VDP AT 2.28 DME
DISTANCE VDP TO THLD 1.29 NM.
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-ILS 7	1507	3/4	200	1507	3/4	200	1507	3/4	200	1507	3/4	200			
S-LOC 7	1760	3/4	453	1760	3/4	453	1760	1	453	1760	1	453			
CIRCLING	1840	1	533	1840	1	533	2040	2	733	2060	2 1/2	753			

CHANGES - REASONS

1. REMOVED MBL VDME-MIXXR IAF FROM PROCEDURE. - MBL VDME DECOM TO DME ONLY.
2. CHANGED MIXXR DESCRIPTION FROM "MIXXR" INT TO "MIXXR /I-MAY 14.99/RADAR" IN TERMINAL ROUTES. - MBL VDME DECOM TO DME ONLY AND ADDED RADAR FOR PROCEDURE ENTRY OPTION.
3. CHANGED WEXOR LOM DME VALUE FROM "6.46" TO "6.45" AND CHANGED COURSE FROM "070.36" TO "070.35" IN TERMINAL ROUTES, PROFILE, AND ADDITIONAL FLIGHT DATA HOLDING. - NEW SURVEY DATA, AND NEW EVAL COMPLETE.
4. CHANGED LOC MAP FROM "5.46 MILES AFTER WEXOR LOM OR AT 1.00 DME FIX" TO "5.46 NM AFTER WEXOR LOM/I-MAY 6.45 DME OR AT I-MAY 0.99 DME". - NEW SURVEY DATA, AND NEW EVAL COMPLETE.
5. CHANGED MA INSTRUCTIONS FROM "CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 3200 DIRECT WEXOR LOM/I-MAY 6.46 DME AND HOLD." TO "CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 3200 DIRECT WEXOR LOM/I-MAY 6.45 DME AND HOLD." AND REMOVED ALTERNATE MA INSTRUCTIONS. - NEW SURVEY DATA AND AVOID CLIMB-IN-HOLD, AND LOSS OF CAD NDB WITH NO VIABLE ALT MA FACILITIES AVAILABLE.
6. CHANGED PT SIDE OF COURSE FROM 250.36 TO 250.35. - NEW SURVEY DATA, AND NEW EVAL COMPLETE.
7. CHANGED GS ANT FROM 859 TO 858 AND MIN GS INCPT: OM: FROM 3117 TO 3019 IN PROFILE. - NEW SURVEY DATA, AND NEW EVAL COMPLETE.
8. REMOVED "ADF REQUIRED" FROM NOTES AND ADDED "ADF REQUIRED" AND "RADAR REQUIRED FOR PROCEDURE ENTRY" TO EQUIPMENT REQUIREMENTS NOTES. - IAW 8260.19I 8-6-8.
9. REMOVED SECONDARY ALTIMETER NOTES, "ADDED INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 7 ALL CATS", ADDED "FOR INOPERATIVE ALS, INCREASE S-LOC 7 CAT C/D VISIBILITY TO 1 3/8 SM.", ADDED "CIRCLING NA TO RWY'S 18 AND 36", AND ADDED VGSI NON-COINCIDENT NOTE TO NOTES. - MOVED SECONDARY ALTIMETER NOTES TO BACK OF -9, NEW CONT OBST/MINS WITH NEW EVAL COMPLETED, RWY 18/36 ARE TURF, AND IAW 8260.3D 3-3-2.
10. REMOVED 2999 TOWER, CHANGED FAS OBST FROM 1392 TREE TO 1500 AAO, AND ADDED VDP AND CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. - NEW CONT OBST WITH NEW EVAL COMPLETED, UPDATED CIRCLING, AND IAW 8260.19I 8-6-10.
11. CHANGED S-LOC 7 MINS CATS A/B FROM 1660/353 TO 1760/453, CAT C FROM 1660/353/ 3/4 SM TO 1760/453/1 SM, AND CAT D FROM 1660/353/ 1 1/4 SM TO 1760/453/1 SM. - NEW CONT OBST WITH NEW EVAL COMPLETED AND IAW 8260.3D 3-3-2.
12. CHANGED CIRCLING MINS CATS 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. - UPDATED CIRCLING RADII, NEW CONT OBST WITH NEW EVAL, AND IAW 8260.3D 3-3-2.



AIRPORT ID
KCAD

PROCEDURE NAME
ILS OR LOC RWY 7

ORIGINAL/AMENDMENT
1

CITY
CADILLAC

STATE
MI

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

07/08/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Sep 15, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

QUALITY
10
CHECKED