

**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> KMCW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 36	<u>ORIGINAL/AMENDMENT</u> 7	<u>CITY</u> MASON CITY	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 1213	<u>TDZE</u> 1193	<u>SUPERSEDED</u> ILS OR LOC RWY 36	<u>ORIGINAL/AMENDMENT</u> 6H	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-MCW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> 10/05/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MCW VOR/DME		PICDI/MCW VOR/DME 9.00 DME					173.27	9.00	3200
JUGTO/MCW VOR/DME 9.00 DME CCW	IAF	PICDI/MCW VOR/DME 9.00 DME	NOPT				9.00 DME ARC (MCW LR-187)		3200
WOTVI/MCW VOR/DME 9.00 DME CW	IAF	PICDI/MCW VOR/DME 9.00 DME	NOPT				9.00 DME ARC (MCW LR-160)		3200
PICDI/MCW VOR/DME 9.00 DME	IF/IAF	SURFF/MCW VOR/DME 2.65 DME					359.92	6.35 (I-MCW)	3100

MISSED APPROACH

MAP:

ILS: DA
LOC: MCW VOR/DME 3.36 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 3200 ON HEADING 170 AND MCW R-332 TO MCW VOR/DME AND ON MCW R-173 TO PICDI/MCW VOR/DME 9.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. CHANGED MSA FACILITY FROM MC LOM TO MCW VOR/DME - SURFF OM/LOM BEING DECOMMISSIONED.
2. REMOVED PROCEDURE TURN AT SURFF LOM - REPLACED WITH HOLD IN LIEU AT PICDI AND SURFF LOM BEING DECOMMISSIONED.
3. CHANGED FEEDER ROUTE FROM "MCW VOR/DME TO SURFF LOM/MCW VOR/DME 2.53 DME" TO "MCW VOR/DME TO PICDI/MCW VOR/DME 9.00 DME - DECOMMISSIONING SURFF LOM.
4. CHANGED FEEDER SEGMENT COURSE/DISTANCE FROM 171.89/2.53 TO 173.27/9.00 - SURFF LOM DECOMMISSIONED.
5. CHANGED INTERMEDIATE SEGMENT FROM "PICDI/MCW VOR/DME 9.00 DME TO SURFF LOM/MCW VOR/DME 2.53" TO "PICDI/MCW VOR/DME 9.00 DME TO SURFF/MCW VOR/DME 2.65 DME" - PFAF WAS CHANGED FROM SURFF LOM TO SURFF FIX, SURF OM/LOM DECOMMISSIONED/USING SAME "SURFF NAME" AND FIX RELOCATED.
6. MISSED APPROACH CHANGED FROM "CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 3200 DIRECT SURFF LOM/MCW VOR/DME 2.53 DME AND HOLD" TO " CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 3200 ON HEADING 170 AND MCW R-332 TO MCW VOR/DME AND ON MCW R-173 TO PICDI/MCW VOR/DME 9.00 DME AND HOLD - SURFF LOM BEING DECOMMISSIONED AND NEW MA PER FPT.
7. ADDED "HOLD S PICDI, RT, 359.92 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 5700" TO PROFILE LINE 2 - ADDED HIL AT PICDI.
8. REMOVED DISTANCE FAF TO MAP DISTANCE 5.89 AND CHANGED FAF TO THLD FROM 5.89 TO 6.01 NM ON PROFILE LINE 3 - PFAF MOVED AND FAF TO THLD DISTANCE NOT REQUIRED PER 8260.19I.
9. TCH ELEVATION CHANGED FROM 62.6 FT TO 58 FT - UPDATED AIRNAV INFORMATION/DESIGN TCH.
10. ADDED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH{FEET}) - 8260.19I.
11. ADDED DME REQUIRED TO EQUIPMENT REQUIREMENT NOTES - 8260-19I.
12. ADDED CHART NOTE: DME FROM MCW VOR/DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-MCW AND MCW DME - 8260-19I.
13. CHANGED INTERMEDIATE DISTANCE/ALTITUDE FROM 6.47/3200 TO 6.35/3100 - FAF RELOCATED AND LOWERED TO ACHIEVE REQUIRED MINIMUM INTERMEDIATE SEGMENT DISTANCE OF AT LEAST 6.04 NM.
14. LOC MAP CHANGED FROM 5.89 NM AFTER SURFF LOM TO MCW VOR/DME 3.36 DME - SURFF LOM DECOMMISSIONED.
15. CHANGED LINE 3 FAF FROM SURFF LOM/MCW VOR/DME 2.53 DME TO SURFF/MCW VOR/DME 2.65 DME - SURFF OM/LOM DECOMMISSIONED.
16. CHANGED LINE 4 FROM SURFF LOM/MCW VOR/DME 2.53 3200 TO PICDI/MCW VOR/DME 9.00 DME 3200, SURFF/MCW VOR/DME 2.65 DME 3100 - SURFF OM/LOM DECOMMISSIONED.
17. CHANGED LINE 5 DIST TO THLD FROM OM: 5.89 TO DIST TO THLD FROM FAF: 6.01 - SURFF OM/LOM DECOMMISSIONED.
18. CHANGED LINE 6 MIN GS INCPT FROM 3200 TO 3100, ADDED GS ALT AT PFAF SURFF/MCW VOR/DME 2.65 DME 3100 AND REMOVED OM: 3099 - SURFF OM/LOM DECOMMISSIONED.
19. REMOVED EQUIPMENT REQUIREMENTS NOTES ADF REQUIRED AND ADF OR DME REQUIRED FOR PROCEDURE ENTRY - SURFF LOM DECOMMISSIONED.
20. UPDATED CHART NOTE FROM FOR INOPERATIVE ALS, INCREASE S-LOC 36 CATS C/D VISIBILITY TO 1 3/4 SM TO FOR INOPERATIVE ALS, INCREASE S-LOC 36 CATS C AND D VISIBILITY TO 1 3/4 SM - 8260.19I.
21. REMOVED CHART NOTES FOR INOPERATIVE ALS, WHEN USING CHARLES CITY ALTIMETER SETTING, INCREASE S-ILS 36 ALL CATS VISIBILITY TO 7/8 SM AND S-LOC CATS C/D VISIBILITY TO 2 SM AND CHART NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLES CITY ALTIMETER SETTING AND INCREASE DA 87 FEET AND ALL MDA 100 FEET; INCREASE S-LOC 36 CAT C/D VISIBILITY 1/4 SM AND CIRCLING CAT C/D VISIBILITY 1/4 SM - NOTES MOVED TO 8260-9 8260.19I.
22. ADDITIONAL FLIGHT DATA REMOVED HOLD S, RT, 359.92 INBOUND - BOTH H-I-L AND MISSED APPROACH HOLDING THE SAME SO THIS HOLDING DATA NOT REQUIRED.
23. ADDITIONAL FLIGHT DATA CHANGED FAS OBST FROM CHART FAS OBST: 1491 TOWER 430215N/0932047W TO FAS OBST: 1430 AAO 430421N/0932024W - FINAL SEGMENT REDUCED PLACING TOWER OUTSIDE OF FINAL SEGMENT AND MAP STUDY.
24. ADDITIONAL FLIGHT DATA ADDED CHART IN PROFILE VIEW: MCW VOR/DME, CHART MINNEAPOLIS CENTER FREQUENCY AND VDP - 8260.19I.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

Digitally signed by **OFFICE** **DATE**
CASIMIR L TABAKA
 Aug 22, 2023

DEVELOPED BY
LORRI DOWNEY

Digitally signed by **OFFICE** **DATE**
LORRI F DOWNEY AJV-A432 04/05/2023

APPROVED BY
CASIMIR TABAKA

Jun 13, 2023 *Digitally signed by* **OFFICE** **DATE** **TITLE**
CASIMIR L TABAKA AJV-A432 04/05/2023 **MANAGER**
 Jun 15, 2023

8/22/2023: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/13/2023
ADDED 10/05/2023 TO REQUIRED EFFECTIVE DATE.

