

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.25**

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</u> MASON CITY MUNI	<u>AIRPORT ID</u> KMCW	<u>PROCEDURE NAME</u> LOC BC RWY 18	<u>ORIGINAL/AMENDMENT</u> 7C	<u>CITY</u> MASON CITY	<u>STATE</u> IA	
<u>AIRPORT ELEVATION</u> 1213	<u>TDZE</u> 1213	<u>SUPERSEDED</u> LOC/DME BC RWY 18	<u>ORIGINAL/AMENDMENT</u> 7B	<u>DATED</u> 11/10/2016	<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> 28 FEBRUARY 2019	<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>
MCW VOR/DME		ANLEY/MCW 9.00 DME					354.56	9.00	2900
JASUD/MCW 15.00 DME CCW	IAF	ZELHU/MCW 15.00 DME	NOPT				15.00 DME ARC (MCW LR-002)		3000
OWUDY/MCW 15.00 DME CW	IAF	ZELHU/MCW 15.00 DME	NOPT				15.00 DME ARC (MCW LR-346)		3000
ZELHU/MCW 15.00 DME	IF	ANLEY/MCW 9.00 DME					179.92	6.00 (I-MCW)	2700

**MISSED APPROACH**

**MAP:**

WOPIK/MCW 5.20 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT MCW VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L    **SIDE OF COURSE** 359.92    **OUTBOUND** 2900    **FT WITHIN** 10    **MILES OF** ANLEY/MCW 9.00 DME (IAF)
- 2.
3. **FAC:** 179.92    **FAF:** ANLEY/MCW 9.00 DME    **DIST FAF TO MAP:**    **DIST FAF TO THLD:** 4.57
4. **MIN ALT:** ANLEY/MCW 9.00 DME 2700, FABIT/MCW 6.23 DME 1680\*
8. **MSA FROM:** MCW VOR/DME 355-085 3800, 085-355 2800

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED FOR PROCEDURE ENTRY

**NOTES:**

CHART PROFILE NOTE: DISREGARD GS INDICATIONS.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: DME FROM MCW VOR/DME. SIMULTANEOUS RECEPTION OF I-MCW AND MCW DME REQUIRED.



\*1780 WHEN USING CHARLES CITY ALTIMETER SETTING.  
CHART NOTE: FOR INOPERATIVE ALS, WHEN USING CHARLES CITY ALTIMETER SETTING, INCREASE S-18 VISIBILITY CATS C AND D TO 1 3/8 SM.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLES CITY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-18 VISIBILITY CATS C AND D 1/4 SM AND CIRCLING CAT C 1/4 SM.

**ADDITIONAL FLIGHT DATA:**

ANLEY TO RW18: 2.96/50.  
CHART MCW R-075 AT JASUD.  
CHART MCW R-278 AT OWUDY.  
CHART FAS OBST: 1295 TREE 431040N/0931933W.  
HOLD S, RT, 356.00 INBOUND

**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
S-18	1560	3/4	347	1560	3/4	347	1560	3/4	347	1560	3/4	347			
CIRCLING	1660	1	447	1680	1	467	1760	1 1/2	547	1780	2	567			

- CHANGES - REASONS**
1. CHANGED AIRPORT AND ILS MAGVAR FROM 05E TO 00E
  2. PROCEDURE NAME CHANGED FROM LOC/DME BC RWY 18 TO LOC BC RWY 18. - TO REMOVE /DME FROM PROCEDURE NAME IAW 8260.3D, PARA. 1-6-2.
  3. CHANGED INTERMEDIATE AND FINAL COURSE FROM 174.92 TO 179.92. - ILS I-MCW MAGVAR CHANGE FROM 5E TO 0E.
  4. CHANGED PT COURSE FROM 354.92 TO 359.92. - ILS MAGVAR CHANGED FROM 5E TO 0E.
  5. S-18 HAT CHANGED FROM 346 TO 347. - TDZE CHANGED FROM 1214 TO 1213.
  6. CIRCLING HAA'S CHANGED BY ONE FOOT. - AIRPORT ELEVATION CHANGED FROM 1214 TO 1213.
  7. DELETED INOP MALS NOTE. - INOP TABLE SUPPORTS REMOVAL.
  8. CHANGED INOP NOTE WHEN USING CHARLES CITY FROM FOR INOPERATIVE MALS, WHEN USING CHARLES CITY ALTIMETER SETTING, INCREASE S-18 CAT D VISIBILITY 1/4 MILE. TO FOR INOPERATIVE ALS, WHEN USING CHARLES CITY ALTIMETER SETTING, INCREASE S-18 VISIBILITY CATS C AND D 1/4 SM. - UPDATE NOTES TO CURRENT FORMAT.
  9. CHANGED BACKUP NOTE FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLES CITY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-18/CIRCLING CAT C AND S-18 CAT D VISIBILITY 1/4 MILE. TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLES CITY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-18 VISIBILITY CATS C AND D 1/4 SM AND CIRCLING CAT C 1/4 SM. - UPDATE NOTE TO CURRENT FORMAT
  10. MOVED PROCEDURE ENTRY NOTE DME REQUIRED TO EQUIPMENT REQUIREMENTS SECTION AND CHANGED NOTE TO READ DME REQUIRED FOR PROCEDURE ENTRY - CHANGED IAW CURRENT EQUIPMENT REQUIREMENTS PUBLICATION.

**COORDINATED WITH:**

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

<b>FLIGHT CHECKED BY</b> PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED	<b>OFFICE</b>  <i>Digitally signed by</i> <b>DONALD H LANIER</b> Dec 03, 2018	<b>DATE</b>    <b>DATE</b> 11/06/2018
<b>DEVELOPED BY</b> DONALD H. LANIER (VALDRIE L BUFORD)	<i>Digitally signed by</i> <b>DONALD H LANIER</b> Dec 03, 2018	<b>OFFICE</b> AJV-5430
<b>APPROVED BY</b> PATRICK MULQUEEN	<i>Digitally signed by</i> <b>DONALD H LANIER</b> Dec 03, 2018	<b>OFFICE</b> AJV-5430
		<b>TITLE</b> MANAGER

