

**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</u> SAUK-PRAIRIE	<u>AIRPORT ID</u> 91C	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> PRAIRIE DU SAC	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 832	<u>TDZE</u> 832	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 0E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MSN VORTAC		JABOL		TF	FB	1.00	327.02	25.30	3300
JOHR	IAF	RAKME		TF	FB	1.00	053.89	28.03	3000
DLL VORTAC	IAF	FOMAG	NOPT	TF	FB	1.00	184.17	3.42	3000
RAKME	IAF	FOMAG	NOPT	TF	FB	1.00	087.04	5.00	3000
JABOL	IAF	FOMAG	NOPT	TF	FB	1.00	267.20	5.00	3000
FOMAG	IF/IAF	HAPOX		TF	FB	1.00	177.12	6.43	2500
HAPOX	FAF	DIGPE/2.50 NM TO RW18		TF	FB	0.30	177.13	2.61	
DIGPE/2.50 NM TO RW18		RW18	MAP	TF		0.30	177.13	2.50	
RW18	MAP	1232 MSL		CA			177.13		
1232 MSL		SOCNO		DF	FO	1.00			3200

**MISSED APPROACH**

**MAP:**

LNAV: RW18

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3200 DIRECT SOCNO AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. HOLD N FOMAG, LT, 177.12 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 177.13      **FAF:** HAPOX                      **DIST FAF TO MAP:** 5.11                      **DIST FAF TO THLD:** 5.11
- 4. **MIN ALT:** FOMAG 3000, HAPOX 2500, DIGPE/2.50 NM TO RW18 1660
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:**
- 6. **MIN GP INCPT:**                      **GP ALT AT FAF :**                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:**                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:**
- 8. **MSA FROM:** RW18 3600

**PBN REQUIREMENTS NOTE:**

RNP APCH

**NOTES:**

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MSN VORTAC ON V9-341 SOUTHWEST BOUND.  
 CHART NOTE: USE MADISON ALTIMETER SETTING.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
 CHART MADISON ASOS.  
 HAPOX TO RW18: 3.00/40.  
 FAS OBST: 1100 AAO 431937N/0894423W.  
 1500 AAO 432316N/0894710W, 1020 AAO 432034N/0894619W.  
 HOLD S, LT, 357.14 INBOUND

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA

CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA												
LNAV MDA	1260	1	428	1260	1	428		NA			NA				
CIRCLING	1400	1	568	1460	1	628		NA			NA				



**CHANGES - REASONS**

1. REMOVED FEEDER FROM LONE ROCK VOR/DME TO INITIAL APPROACH FIX RAKME - LONE ROCK VOR/DME DECOMMISSIONING.
2. ADDED WAYPOINT FEEDER FROM JOOHR TO RAKME COURSE/DISTANCE 053.89/28.03 AT ALTITUDE 3000 FEET - TO REPLACE FEEDER FROM LONE ROCK VOR/DME.
3. CHANGED DESCENT ANGLE FROM 3.04 TO 3.00 - IAW 8260-2, 2-6-3.
4. CHANGED THE MDA/HAT FROM 1400/568 TO 1260/428 - NEW SDF CONTROLLING OBSTACLE.
5. CHANGED DISTANCE BETWEEN HAPOX TO MAP FROM 5.04 NM TO 5.11 NM - MOVED PFAF (HAPOX) 428.83 FEET NORTH.
6. CHANGED DISTANCE BETWEEN FOMAG TO HAPOX FROM 6.5 TO 6.43 - MOVED PFAF (HAPOX) 428.83 FEET NORTH.
7. CHANGED CIRCLING CAT A CMDA/HAA FROM 1480/648 TO 1400/568; DECREASED CAT B CMDA/HAA FROM 1480/648 TO 1460/628 - IAW APPLICATION OF NEW CIRCLING CRITERIA.
8. CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVAL AT MSN VORTAC ON V9-341 SOUTHWEST BOUND" - TURN EXCEEDS 90 DEGREES.
9. DELETED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT MSN VORTAC VIA V177 SOUTHBOUND" - NO LONGER APPLICABLE.
10. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - PROCEDURE TCH 40 FEET/VGSI TCH 25.8 FEET.
11. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).
12. ADDED "20:1 IS CLEAR" ON LINE 7 - PER .19H PARA 8-6-7G (3).
13. FAS OBSTACLE CHANGED FROM 1299 AAO TO 1100 AAO - NEW OBSTACLE STUDY.
14. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" - ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE.
15. CHANGED BACKUP ALTIMETER NOTE FROM "USE DANE COUNTY RGNL-TRUAX FIELD ALTIMETER SETTING; IF NOT RECEIVED USE BARABOO ALTIMETER SETTING" TO "USE MADISON ALTIMETER SETTING" - CITY NAME USED INSTEAD OF AIRPORT NAME PER .19H PARA 8-6-11 O(4)(B). REMAINDER OF NOTE MOVED TO -9 AS A CONTINGENCY.
16. ADDED "CHART MADISON ASOS" IN ADDITIONAL FLIGHT DATA - PER .19H PARA 8-2-4 B (3) PRIMARY ALTIMETER IS OBTAINED FROM A REMOTE SOURCE.
17. CHANGED PRIMARY/SECONDARY REMOTE ALTIMETER FROM KDLL (BARABOO)/KMSN (MADISON) TO KMSN (MADISON)/KDLL (BARABOO) - AIRNAV UPDATE.
18. ADDED CIRCLING ICON - APPLICATION OF NEW CIRCLING CRITERIA.
19. 7:1 OBSTACLE CHANGED FROM 1519 AAO TO 1500 AAO AND 1020 AAO - PER TARGETS BUILD.

09/26/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/25/2019.

1. ADDED CITY NAME (PRAIRIE DU SAC) TO ALL APPLICABLE LOCATIONS WHERE MISSING ON FORM.

**COORDINATED WITH:**

~~AAA~~  ~~ALPA~~  ~~AOPA~~  ~~APA~~  ~~HAI~~  ~~NBAA~~  **OTHER:** ZAU, MSN APP CON, AMGR

<b>FLIGHT CHECKED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
JEFFREY WAYNE HARING	<b>DAVID DANNER</b>	FIOG	09/20/2019
	Sep 30, 2019		

<b>DEVELOPED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
DAVID DANNER (ANDRE MARSH)	<b>DAVID DANNER</b>	AJV-A421	07/25/2019

<b>APPROVED BY</b>	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
MARLON ROBINSON	<b>DAVID DANNER</b>	AJV-A420		MANAGER
	Sep 30, 2019			

