

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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> LUM	<u>PROCEDURE NAME</u> VOR RWY 27	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MENOMONIE	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 895	<u>TDZE</u> 894	<u>SUPERSEDED</u> VOR/DME RWY 27	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 09/09/2021	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> EAU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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
EAU VORTAC	IF/IAF	EJEYA/6.00 DME					264.71	6.00	4000
EJEYA/6.00 NM EAU		ZAVAS/10.30 DME					264.71 (EAU R-265)	4.30	2800

MISSED APPROACH

MAP:

EAU /16.16 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 182 AND EAU VORTAC R-237 TO FEZIC/EAU 28.47 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--------------|--|----------------------|------------------|-------------------|-------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. | HOLD E EAU VORTAC, RT, 264.71 INBOUND, 4000 IN LIEU OF PT (IAF), MAX 5000. | | | | |
| 3. FAC: | 264.71 | FAF: ZAVAS/10.30 DME | DIST FAF TO MAP: | DIST FAF TO THLD: | 5.86 |
| 4. MIN ALT: | EAU VORTAC 4000, EJEYA/6.00 DME 4000, ZAVAS/10.30 DME 2800 | | | | |
| 8. MSA FROM: | EAU VORTAC 090-180 4100, 180-090 3200 | | | | |

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 36 NA AT NIGHT.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON EAU VORTAC AIRWAY RADIALS 341 CW 176.

ADDITIONAL FLIGHT DATA:

ZAVAS TO RW27: 3.00/40
HOLD NE, RT, 236.92 INBOUND.
FAS OBST: 1267 AAO 445418N/0914403W.
CHART VDP AT 14.33 DME.
DISTANCE VDP TO THLD 1.83 NM.



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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3, 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-27	1520	1	626	1520	1	626	1520	1 3/4	626	1520	1 3/4	626			
CIRCLING	1520	1	625	1520	1	625	1740	2 1/2	845	1800	3	905			

CHANGES - REASONS

- PROCEDURE NAME UPDATED FROM VOR/DME RWY 27 TO VOR RWY 27 - IAW 8260.19K 1-6-2.
- TERMINAL ROUTES ADDED SEGMENT EAU VORTAC TO EJEYA/6.00 DME UPDATED DISTANCE AND ALTITUDE FROM 11.00/2800 TO 6.00/4000 - ATC/FPT REQUEST.
- TERMINAL ROUTES ADDED SEGEMNT EJEYA/6.00 DME TO ZAVAS/10.30 DME - ATC/FPT REQUEST.
- CHANGED MAP BLOCK FROM: RW27 OR AT EAU 16.16 DME FIX TO EAU 16.16 DME - 8260-19K, 8-6-6
- MISSED APPROACH INSTRUCTIONS UPDATED FROM CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2800 DIRECT EAU VORTAC AND HOLD TO CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 182 AND EAU VORTAC R-237 TO FEZIC/EAU 28.47 DME AND HOLD. - ATC/FPT REQUEST IAW 8260.19 K 8-6-6 D.7
- PROFILE LINE 2 MAX CHANGED FROM 4000 TO 5000 - FPT/ATC REQUEST.
- PROFILE LINE 3 DIST FAF TO THLD UPDATED FROM 5.16 TO 5.86 AMD FAF ZAVAS CHANGED FROM 11.00 DEM TO 10.30 DME - FIX ZAVAS MOVED.
- PROFILE LINE 4 MIN ALT CHANGED FROM EAU VORTAC 2800 TO EAU VORTAC 4000 ADDED EJEYA/6.00 DEM 4000 ADDED ZAVAS/10.30 DME - FPT/ATC REQUESTED ALTITUDE CHANGES AND ADDED EJEYA FIX.
- EQUIPMENT REQUIREMENTS NOTES ADDED DME REQUIRED - IAW 8260.19K 8-6-9 A.1.B
- NOTES: UPDATED AND MOVED BACKUP ALTIMETER NOTE TO 8260-9, PART C, GENERAL REMARKS IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET - PER FPT REQUEST AND TO MATCH OTHER SIAPS AT AIRPORT.
- ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT 14.19 DME; DISTANCE VDP TO THLD 1.97 MILES TO CHART VDP AT 14.20 DME; DISTANCE VDP TO THLD 1.96 NM. - MOVED FIX ZAVAS.
- ADDITIONAL FLIGHT DATA UPDATED FROM CHART FAS OBST: 1219 TREE TO FAS OBST: 1267 AAO 445418N/0914403W. - NEW FAS OBSTACLE.
- ADDITIONAL FLIGHT DATA ADDED NOTE ZAVAS TO EAU RW27: 3.00/40 - IAW 8260.19K 8-6-11 O 1.
- REMOVED PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT - VDA UPDATED TO MATCH VGSI.
- MINIMUMS ALTERNATE UPDATED FROM STANDARD EXCEPT CAT B 1000-2, CAT C 1000-2 3/4 TO STANDARD - CAT C 900-2 1/2, CAT D 1000-3, - IAW 8260.19K 8-6-12 B.4
- MINIMUMS LOWERED S-27 ALL CATS FROM 1560 TO 1520 - NEW CONTROLLING OBSTACLE.
- MINIMUMS LOWERED CIRCLING CAT A FROM 1560 TO 1520 - REMOVED SI ADJUSTMENT DUE TO LOWERING STRAIGHT IN MINS.
- MINIMUMS LOWERED CIRCLING CAT B FROM 1800/1 1/4 TO 1520/1 - NEW CONTROLLING OBSTACLE.
- MINIMUMS ADDED CAT D TO S-27 AND CIRCLING - FPT/ATC REQUEST.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR, WI AV DEPT.

FLIGHT CHECKED BY
SCOTT WIEBE

Digitally signed by
ROBERT G HAMILTON
Aug 26, 2026

OFFICE
AJF

DATE
08/24/2026

DEVELOPED BY
JOSHUA DUGAN

Digitally signed by
ROBERT G HAMILTON
Aug 26, 2026

OFFICE
AJV-A433

DATE
02/06/2026

APPROVED BY
ROBERT G HAMILTON

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OFFICE
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DATE
07/30/2026

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LUM	VOR RWY 27	2	MENOMONIE	WI	895	EAU

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM EAU VORTAC (IF/IAF) **TO** EJEYA/6.00 DME

<u>RNP</u>	<u>DISTANCE</u> 6.00	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001105)	445542.80N/0913230.73W	1534	20	3	1A	500				AT1966	4000
TERRAIN	445533.00N/0913212.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM EJEYA/6.00 NM EAU **TO** ZAVAS/10.30 DME

<u>RNP</u>	<u>DISTANCE</u> 4.30	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001119)	445458.00N/0914149.00W	1688	500	125	5E	500				AC125 AT487	2800
TERRAIN	445454.00N/0914218.00W	1227 (1200)								AS1500	2700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

ZAVAS/10.30 DME

TO

EAU /16.16 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.85		EAU /16.16 DME				626				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	445418.00N/0914403.00W	1267	215	8	4B	250					1520

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

EAU VORTAC

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001021)	445107.01N/0912230.76W	1641	20	3	1A	1000				AT1359	4000
TERRAIN	445206.00N/0911757.00W	1174 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH

FROM

EAU /16.16 DME

TO

FEZIC/EAU 28.47 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							1270				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
TOWER (55-001305)	445025.20N/0915406.70W	1437	250	50	4D	1000					2500
TERRAIN	444506.00N/0915619.00W	1210 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	445212.00N/0915106.00W	1.30	625	1098	215	8	4B	300		SI	1520
CATEGORY B											
TOWER (55-167996)	445426.41N/0914932.13W	1.84	625	1201	20	3	1A	300			1520
CATEGORY C											
TOWER (55-000942)	445544.40N/0915439.25W	2.89	845	1379	250	50	4D	300		AC50	1740
CATEGORY D											
TOWER (55-001305)	445025.20N/0915406.70W	3.77	905	1437	250	50	4D	300		AC50	1800

CIRCLING REMARKS:

MSA

CENTER

EAU VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-180	TOWER (55-000211)	443949.36N/0905741.91W	118	26.2	3095	500	50	5D	1000			4100
180-090	TOWER (55-000405)	450248.86N/0915147.63W	295	18.7	2180	250	50	4D	1000			3200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, GRB FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> LUM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> LUM	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> EAU	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> EAU	<u>DISTANCE</u> 16.40	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 41

WX REMARKS:

KLUM = 895
KEAU = 913
RA = 40.4

<u>PRIMARY NAVAID</u> EAU VORTAC	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW09 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-F		
RW18 - MIRL (PCL), PAPI-2L (PCL)	NPI-F		
RW27 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	NPI-F		
RW36 - MIRL (PCL), PAPI-2R (PCL)	NPI-F		

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 40.2
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 36		
20:1			
937 TREE (55-131826) 445313.7600N/0915203.5000W (7.22)	938 TREE (55-132123) 445313.1600N/0915203.2600W (5.15)		
933 TREE (55-131812) 445313.4400N/0915202.4700W (1.42)			



PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
100 FT VEGETATION USED PER FPT

CONTINGENCY NOTES FOR BACKUP ALTIMETER: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EAU ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-27 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM. CHART NOTE: VDP NA WHEN USING EAU ALTIMETER SETTING.

PRECIPITOUS TERRAIN EVALUATION COMPLETED

ORDER 8260.3 CHAPTER 2 APPLIED TO 1418 AAO 445500.00N/0914233.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.53
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	3.26
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	268.71
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1100
DISTANCE FROM	THLD	TO 1500FT POINT	5.46
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	3.07
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	268.71
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)

445327.52N/0915126.41W

ARP COORDINATES

445332.44N/0915204.05W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 27 DISTANCE 0.45 NM

FAF COORDINATES

445336.78N/0914311.73W

FIX NAME COORDINATES

REMARKS



PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOSHUA DUGAN	AJV-A433	02/06/2026	AERONAUTICAL INFORMATION SPECIALIST

