

**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 ID</u> MRJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MINERAL POINT	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 1171	<u>TDZE</u> 1171	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/21/2014
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 JULY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 0W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 130/30 CW 310/30	NOPT	ZOBIK	IF/IAF	3600
2. 310/30 CW 130/30		ZOBIK	IF/IAF	3600

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>
ZOBIK	IF/IAF	JADUX		TF	FB	1.00	220.32	6.93	2900
JADUX	FAF	EYDUF/1.80 NM TO RW22		TF	FB	0.30	220.25	3.50	
EYDUF/1.80 NM TO RW22		RW22	MAP	TF	FO	0.30	220.25	1.80	
RW22	MAP	1421 MSL		CA			220.25		
1421 MSL		ZUPOV		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT ZUPOV AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NE ZOBİK, RT, 220.32 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	220.25	FAF:	JADUX	DIST FAF TO MAP:	5.30	DIST FAF TO THLD:	5.30							
4.	MIN ALT:	ZOBİK 3600, JADUX 2900, EYDUF/1.80 NM TO RW22 1780													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.66	GS ANT:				
6.	MIN GP INCPT:	2900	GP ALT AT PFAF:	JADUX 2900			OM:				MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	40.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PLATTEVILLE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSİ AND RNAV GLIDEPATH NOT COINCIDENT (VGSİ ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLATTEVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1476 FEET, INCREASE LNAV/VNAV DA TO 1534 FEET, INCREASE ALL MDAS 60 FEET, AND LNAV VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 040.08 INBOUND.
FAS OBST: 1309 TREE 425347N/0901342W.
CHART 1520 TOWER 425706N/0900818W.
CHART VDP AT 1.19 NM TO RW22.
WAAS CHANNEL # 57930
REFERENCE PATH ID: W22A
LTP HAE: 323.4 M

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
LPV DA	1421	1	250	1421	1	250	1421	1	250		NA				
LNAV/VNAV DA	1479	1	308	1479	1	308	1479	1	308		NA				
LNAV MDA	1580	1	409	1580	1	409	1580	1 1/8	409		NA				
CIRCLING	1620	1	449	1640	1	469	1640	1 1/2	469		NA				



CHANGES - REASONS

1. CHANGED INTERMEDIATE SEGMENT RNP FROM 0.50 TO 1.00 IN TERMINAL ROUTES - PER 8260.58B TABLE 1-2-1.
2. RAISED CA LEG ALTITUDE FROM 1371 TO 1421 IN TERMINAL ROUTES - MATCHES INCREASE IN LPV DA TO 1421.
3. ADDED RNP 1.00 TO MISSED DF LEG IN TERMINAL ROUTES - PER 8260.58B TABLE 1-2-1.
4. ADDED '20:1 IS CLEAR' TO PROFILE LINE 7 - PER 8260.19I PARA. 8-6-8B(2).
5. REMOVED NOTE "LNAV ONLY" AND ASSOCIATED ASTERISKS FROM STEPDOWN FIX EYDUF/1.80 NM TO RW22 ALTITUDE *1780 AND FROM VDP *1.19 NM TO RW22 - NO LONGER REQUIRED BY CRITERIA.
6. ADDED PBN REQUIREMENTS NOTE 'RNP APCH-GPS' - PER 8260.19I PARA. 8-6-8B(2).
7. REMOVED NOTE 'DME/DME RNP-0.3 NA' - REPLACED BY PBN REQUIREMENTS NOTE.
8. CHANGED NOTE FROM 'BARO-VNAV NA WHEN USING PLATTEVILLE ALTIMETER SETTING' TO 'BARO-VNAV AND VDP NA WHEN USING PLATTEVILLE ALTIMETER SETTING' - PER 8260.19I PARA. 8-6-9E(8)(9).
9. CHANGED NOTE FROM 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C' - PER 8260.19I PARA. 8-6-9R.
10. CHANGED NOTE FROM 'VGSI AND RNAV GLIDEPATH NOT COINCIDENT' TO 'VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})' - PER 8260.19I PARA. 8-6-9M(1).
11. CHANGED NOTE FROM 'HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED' TO 'RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED' - 34:1 PENETRATIONS STILL EXIST. FORMAT PER 8260.19I PARA. 8-6-11K(3).
12. CHANGED NOTE FROM 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLATTEVILLE ALTIMETER SETTING AND INCREASE ALL DA 55 FEET, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, INCREASE ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/4 MILE' TO 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLATTEVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1476 FEET, INCREASE LNAV/VNAV DA TO 1534 FEET, INCREASE ALL MDAS 60 FEET, AND LNAV VISIBILITY CAT C 1/4 SM' - DUE TO INCREASE IN LPV DA AND VISIBILITY. FORMAT PER 8260.19I PARA. 8-6-11N(1)(A)2.
13. RAISED LPV DA/HAT FROM 1371/200 TO 1421/250 - NEW CONTROLLING OBSTRUCTION ADDED 1201 TREE (55-100129).
14. INCREASED LPV VISIBILITY FROM 3/4 SM TO 1 SM - AIRPORT RUNWAYS DO NOT HAVE ASSOCIATED PARALLEL TAXIWAYS.
15. ADDED MAX ALTITUDE 6000 TO HOLD-IN-LIEU OF PT - PER 8260.19I PARA. 8-6-7B(2).
16. FAS DATA: LTP COORDINATES CHANGED FROM 425320.7895N/0901339.5005W TO 425320.7940N/0901339.4975W - AIRNAV DATA UPDATED.
17. FAS DATA: FPAP COORDINATES CHANGED FROM 425212.7100N/0901454.7100W TO 425212.7085N/0901457.6950W - TARGETS OUTPUT AFTER LTP COORDINATES CHANGE.
18. FAS DATA: VERTICAL ALERT LIMIT (VAL) INCREASED FROM 35 TO 50 - RESULT OF LPV HAT INCREASE TO 250 FEET.
19. FAS DATA: CRC REMAINDER CHANGED FROM C8D58557 TO D64CD95A - RESULT FROM CHANGES TO LTP AND FPAP COORDINATES, AND VERTICAL ALERT LIMIT.
20. TERMINAL ROUTES: CHANGED FINAL STEPDOWN TO MAP AND MAP TO CLIMB-TO-ALTITUDE COURSES FROM 220.22 TO 220.25 - PER UPDATED EVALUATION.
21. PROFILE LINE 5: ADDED DIST TO THLD FROM 250 HAT: 0.66 - OMITTED FROM PREVIOUS AMENDMENT'S DOCUMENTATION.
22. CHANGED FROM CHART FAS OBST TO FAS OBST IN ADDITIONAL FLIGHT DATA - 1309 TREE IS PLANTED FOR EVALUATION PURPOSES AND IS CONSIDERED AN AAO PER 8260.19I PARA.8-6-10C + NOTE.
23. CHANGED CIRCLING CAT C CONTROLLING OBSTACLE FROM 1309 TREE TO 1331 TOWER (55-100096) WITHOUT A CHANGE TO CIRCLING MDA/HAA - EXPANDED CIRCLING RADIUS CAPTURED NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZAU ARTCC, AMGR

FLIGHT CHECKED BY

MARC WEBBER

Digitally signed by
RAKE MCGRAW
Mar 29, 2024

OFFICE
FPO

DATE
03/27/2024

DEVELOPED BY

RALPH DUMAR

Digitally signed by
RALPH DUMAR
Feb 24, 2024

OFFICE
AJV-A422

DATE
09/05/2023

APPROVED BY

MARLON J. ROBINSON

Digitally signed by
RAKE MCGRAW
Mar 29, 2024

OFFICE
AJV-A420

DATE

TITLE
MANAGER



AIRPORT ID
MRJ

PROCEDURE NAME
RNAV (GPS) RWY 22

ORIGINAL/AMENDMENT
1B

CITY
MINERAL POINT

STATE
WI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMRJ
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	425320.7940N
LTP/FTP LONGITUDE	0901339.4975W
LTP/FTP ELLIPSOIDAL HEIGHT	+03234
FPAP LATITUDE	425212.7085N
FPAP LONGITUDE	0901457.6950W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	D64CD95A
---------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03568
FPAP ORTHOMETRIC HEIGHT	+03568

