

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
MENOMONIE, WI	MENOMONIE MUNI-SCORE FIELD	20 JUNE 2019	2

TAKEOFF MINIMUMS:

RWY 9, 27, 36: STANDARD
RWY 18: 500-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 601 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: CLIMB HEADING 176.21 TO 1600 BEFORE TURNING RIGHT.
RWY 36: CLIMB HEADING 356.22 TO 1800 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 09: BUILDINGS BEGINNING 116 FT FROM DER, 347 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/915 FT MSL.
BUILDING 563 FT FROM DER, 545 FT RIGHT OF CENTERLINE, 52 FT AGL/939 FT MSL.
NOTE: RWY 18: TREES BEGINNING 7 FT FROM DER, 329 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL. TREE 922 FT FROM DER, 175 FT LEFT OF CENTERLINE, 100 FT AGL/999 FT MSL. TREE 2264 FT FROM DER, 497 FT RIGHT OF CENTERLINE, 100 FT AGL/1019 FT MSL. TREE 2484 FT FROM DER, 501 FT RIGHT OF CENTERLINE, 100 FT AGL/1059 FT MSL. TREE 2621 FT FROM DER, 514 FT RIGHT OF CENTERLINE, 100 FT AGL/1079 FT MSL. TREE 2743 FT FROM DER, 586 FT RIGHT OF CENTERLINE, 100 FT AGL/1099 FT MSL. TREES BEGINNING 3636 FT FROM DER, 126 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1119 FT MSL. TREE 4388 FT FROM DER, 1090 FT LEFT OF CENTERLINE, 100 FT AGL/1019 FT MSL. TREE 1.6 NM FROM DER, 2577 FT RIGHT OF CENTERLINE, 100 FT AGL/1239 FT MSL. TOWER AND TREES BEGINNING 1.6 NM FROM DER, 728 FT RIGHT OF CENTERLINE, UP TO 250 FT AGL/1370 FT MSL. TREE 1.6 NM FROM DER, 2278 FT LEFT OF CENTERLINE, 100 FT AGL/1219 FT MSL. TREE 2 NM FROM DER, 122 FT RIGHT OF CENTERLINE, 100 FT AGL/1239 FT MSL.
NOTE: RWY 27: TREES AND POLE BEGINNING 434 FT FROM DER, 545 FT RIGHT OF CENTERLINE, UP TO 943 FT MSL. TREE 2620 FT FROM DER, 688 FT LEFT OF CENTERLINE, 969 FT MSL. STACK AND TREES BEGINNING 2667 FT FROM DER, 579 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/987 FT MSL.
NOTE: RWY 36: TREES AND BUILDINGS BEGINNING 207 FT FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL. BUILDINGS AND VEHICLES ON ROAD BEGINNING 409 FT FROM DER, 290 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/959 FT MSL. TREE 929 FT FROM DER, 383 FT RIGHT OF CENTERLINE, 100 FT AGL/1019 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 1370 FEET MSL TOWER 445143.00N/0915237.00W (CEILING), 1239 FT MSL TREE 445121.89N/0915159.82W (VISIBILITY), 1099 FT MSL TREE 445255.59N/0915212.67W (CLIMB GRADIENT), 1370 FEET MSL TOWER 445143.00N/0915237.00W (CLIMB-TO ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 18: 1419 FEET MSL TOWER 445025.00N/0915408.00W, RWY 36: 1385 FEET MSL TOWER 445545.00N/0915439.00W.

REMARKS:

FLIGHT INSPECTED BY:

JEFFREY W HARING

Digitally signed by
DONALD H LANIER
Jan 30, 2019

OFFICE SYMBOL:

FICO

DATE:

1/9/19

DEVELOPED BY:

KELLY DEAN

KELLY D DEAN Digitally signed by KELLY D DEAN
Date: 2018.11.02 14:52:26 -05'00'

OFFICE SYMBOL:

AJV-5431

DATE:

10/16/2018

APPROVED BY:

PATRICK MULQUEEN, MANGER

Digitally signed by
DONALD H LANIER
Jan 30, 2019

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE



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COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZMP, ZAU, APT MGR

CHANGES - REASONS:

1. CHANGED RWY 18 TAKEOFF MINIMUMS FROM "500-2 OR STANDARD WITH MINIMUM CLIMB OF 584 FT PER NM TO 1600" TO "500-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 601 FT PER NM TO 1700" - OBSTACLE EVAL TO NON-SURVEYED RUNWAY UTILIZING TARGETS AND MANUAL ASSESSMENT.
2. CHANGED RWY 18 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMB HEADING 176.22 TO 1500 BEFORE TURNING RIGHT" TO "CLIMB HEADING 176.21 TO 1600 BEFORE TURNING RIGHT" - RWY BRG ROUNDING AND OBSTACLE EVAL TO NON-SURVEYED RUNWAY UTILIZING TARGETS AND MANUAL ASSESSMENT.
3. CHANGED RWY 36 TEXTUAL DEPARTURE PROCEDURE CLIMB TO ALTITUDE FROM 1600 TO 1800 - OBSTACLE EVAL TO NON-SURVEYED RUNWAY UTILIZING TARGETS AND MANUAL ASSESSMENT. UTILIZED NEWLY ASSIGNED AC VALUE OF 125 VERTICAL ADJ.
4. UPDATED TAKEOFF OBSTACLE NOTES TO ALL RUNWAYS - RWY 9/27 NEW OBSTACLE SURVEY AND MANUAL EVAL OF NON-SURVEYED RUNWAYS 18/36 UTILIZING TARGETS.

