

**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>
MENA, AR	MENA INTERMOUNTAIN MUNI	3 JANUARY 2019	6

TAKEOFF MINIMUMS:

RWY 9: STANDARD

RWY 17: STANDARD WITH MINIMUM CLIMB OF 435 FT PER NM TO 2700 OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 27: STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 2100 OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 35: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 3300 OR 1900-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 9: CLIMB HEADING 089.18 TO 2100 BEFORE TURNING RIGHT.

RWY 17: CLIMB HEADING 170.43 TO 2800 BEFORE TURNING RIGHT.

RWY 27: CLIMB HEADING 269.19 TO 2000 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

RWY 17, 27, 35: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS MENA INTERMOUNTAIN MUNICIPAL AIRPORT AT OR ABOVE 2800 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9: LIGHTING 10 FT FROM DER, 28 FT RIGHT OF CENTERLINE, 2 FT AGL/1051 FT MSL. LIGHTING, NAVAID BEGINNING 11 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/1051 FT MSL. VEGETATION 66 FT FROM DER, 479 FT LEFT OF CENTERLINE, 1058 FT MSL.

NOTE: RWY 17: NAVAID 39 FT FROM DER, 75 FT RIGHT OF CENTERLINE, 3 FT AGL/1081 FT MSL. NAVAID 39 FT FROM DER, 76 FT LEFT OF CENTERLINE, 3 FT AGL/1081 FT MSL. VEGETATION 444 FT FROM DER, 604 FT LEFT OF CENTERLINE, 1092 FT MSL. TREE 657 FT FROM DER, 611 FT LEFT OF CENTERLINE, 1109 FT MSL. TREES BEGINNING 831 FT FROM DER, 147 FT LEFT OF CENTERLINE, UP TO 1110 FT MSL. TREE 1080 FT FROM DER, 755 FT LEFT OF CENTERLINE, 1146 FT MSL. TREE 3764 FT FROM DER, 1176 FT LEFT OF CENTERLINE, 1183 FT MSL. TREE 3957 FT FROM DER, 58 FT LEFT OF CENTERLINE, 1187 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 132 FT LEFT OF CENTERLINE, UP TO 1355 FT MSL. TREE 1.5 NM FROM DER, 2400 FT RIGHT OF CENTERLINE, 1328 FT MSL. TREE 1.5 NM FROM DER, 93 FT RIGHT OF CENTERLINE, 1338 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 2229 FT RIGHT OF CENTERLINE, UP TO 1354 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 141 FT LEFT OF CENTERLINE, UP TO 1412 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 1387 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 413 FT LEFT OF CENTERLINE, UP TO 1419 FT MSL. TREE 1.6 NM FROM DER, 37 FT RIGHT OF CENTERLINE, 1455 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 269 FT RIGHT OF CENTERLINE, UP TO 1469 FT MSL. TREE 1.6 NM FROM DER, 156 FT LEFT OF CENTERLINE, 1464 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 1660 FT LEFT OF CENTERLINE, UP TO 1471 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 437 FT LEFT OF CENTERLINE, UP TO 1487 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 524 FT RIGHT OF CENTERLINE, UP TO 1486 FT MSL. TREE 1.6 NM FROM DER, 254 FT RIGHT OF CENTERLINE, 1541 FT MSL. TREE 1.6 NM FROM DER, 238 FT LEFT OF CENTERLINE, 1537 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 1586 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 851 FT LEFT OF CENTERLINE, UP TO 1542 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 84 FT LEFT OF CENTERLINE, UP TO 1631 FT MSL. TREES BEGINNING 1.8 NM FROM DER, 211 FT LEFT OF CENTERLINE, UP TO 1658 FT MSL. TREES, POLE BEGINNING 1.8 NM FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 1591 FT MSL. TREES BEGINNING 2.1 NM FROM DER, 2255 FT RIGHT OF CENTERLINE, UP TO 1634 FT MSL. TREES BEGINNING 2.2 NM FROM DER, 1778 FT RIGHT OF CENTERLINE, UP TO 1652 FT MSL. TREES BEGINNING 2.2 NM FROM DER, 2711 FT RIGHT OF CENTERLINE, UP TO 1666 FT MSL. TREES BEGINNING 2.3 NM FROM DER, 74 FT RIGHT OF CENTERLINE, UP TO 1689 FT MSL. TREES BEGINNING 2.4 NM FROM DER, 440 FT RIGHT OF CENTERLINE, UP TO 1708 FT MSL. TREES BEGINNING 2.5 NM FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 1754 FT MSL. POLE, TREES BEGINNING 2.5 NM FROM DER, 218 FT LEFT OF CENTERLINE, UP TO 57 FT AGL/1767 FT MSL. TREE 2.5 NM FROM DER, 824 FT LEFT OF CENTERLINE, 1796 FT MSL. TREE 2.5 NM FROM DER, 1144 FT LEFT OF CENTERLINE, 1831 FT MSL.

NOTE: RWY 27: NAVAID 39 FT FROM DER, 90 FT LEFT OF CENTERLINE, 2 FT AGL/1079 FT MSL. NAVAID 39 FT FROM DER, 89 FT RIGHT OF CENTERLINE, 1079 FT MSL. TREE 333 FT FROM DER, 537 FT RIGHT OF CENTERLINE, 1099 FT MSL. TREES BEGINNING 415 FT FROM DER, 327 FT RIGHT OF CENTERLINE, UP TO 1108 FT MSL. TREES BEGINNING 723 FT FROM DER, 515 FT RIGHT OF CENTERLINE, UP TO 1109 FT MSL. TREES BEGINNING 946 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 1110 FT MSL. TREE 1070 FT FROM DER, 471 FT RIGHT OF CENTERLINE, 1112 FT MSL. TREE 1124 FT FROM DER, 573 FT LEFT OF CENTERLINE, 1110 FT MSL. TREE 1184 FT FROM DER, 694 FT RIGHT OF CENTERLINE, 1127 FT MSL. TREES BEGINNING 1201 FT FROM DER, 380 FT LEFT OF CENTERLINE, UP TO 1148 FT MSL. TREES BEGINNING 1411 FT FROM DER, 110 FT RIGHT OF CENTERLINE, UP TO 1145 FT MSL. TREES BEGINNING 1658 FT FROM DER, 496 FT LEFT OF CENTERLINE, UP TO 1149 FT MSL. TREES BEGINNING 1875 FT FROM DER, 449 FT RIGHT OF CENTERLINE, UP TO 1146 FT MSL. TREES BEGINNING 1913 FT FROM DER, 271 FT RIGHT OF CENTERLINE, UP TO 1152 FT MSL. TREES BEGINNING 2074 FT FROM DER, 163 FT LEFT OF CENTERLINE, UP TO 1152 FT MSL. TREES BEGINNING 2122 FT FROM DER, 34 FT LEFT OF CENTERLINE, UP TO 1158 FT MSL. TREE 2165 FT FROM DER, 117 FT RIGHT OF CENTERLINE, 1155 FT MSL. TREES BEGINNING 2201 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 1157 FT MSL. TREES BEGINNING 2302 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 1162 FT MSL. TREES BEGINNING 2471 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 1159 FT MSL. TREES BEGINNING 2567 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 1164 FT MSL. TREES BEGINNING 2634 FT FROM DER, 319 FT LEFT OF CENTERLINE, UP TO 1165 FT MSL. TREES BEGINNING 2743 FT FROM DER, 121 FT LEFT OF CENTERLINE, UP TO 1167 FT MSL. TREES BEGINNING 2789 FT FROM DER, 107 FT RIGHT OF CENTERLINE, UP TO 1167 FT MSL. TREES BEGINNING 2950 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 1169 FT MSL. TREES BEGINNING 2973 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 1175 FT MSL. TREES BEGINNING 3163 FT FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 1171 FT MSL. TREES BEGINNING 3297 FT FROM DER, 862 FT RIGHT OF CENTERLINE, UP TO 1176 FT MSL. TREE 4266 FT FROM DER, 482 FT RIGHT OF CENTERLINE, 1186 FT MSL. TREE 1.3 NM FROM DER, 2513 FT LEFT OF CENTERLINE, 1292 FT MSL. TREE 1.4 NM FROM DER, 2508 FT LEFT OF CENTERLINE, 1295 FT MSL. TREE 1.5 NM FROM DER, 2542 FT LEFT OF CENTERLINE, 1315 FT MSL. TREE 1.5 NM FROM DER, 2775 FT LEFT OF CENTERLINE, 1401 FT MSL. TREE 1.5 NM FROM DER, 2547 FT LEFT OF CENTERLINE, 1413 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 2167 FT LEFT OF CENTERLINE, UP TO 1424 FT MSL. TREE 1.5 NM FROM DER, 2665 FT LEFT OF CENTERLINE, 1445 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 2156 FT LEFT OF CENTERLINE, UP TO 1500 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 1896 FT LEFT OF CENTERLINE, UP TO 1529 FT MSL. TREES, BUILDINGS BEGINNING 1.6 NM FROM DER, 1928 FT LEFT OF CENTERLINE, UP TO 1592 FT MSL. BUILDING, TREES BEGINNING 1.8 NM FROM DER, 1384 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/1609 FT MSL. TREES BEGINNING 1.8 NM FROM DER, 868 FT LEFT OF CENTERLINE, UP TO 1615 FT MSL. TREES BEGINNING 1.9 NM FROM DER, 685 FT LEFT

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CITY, STATE

MENA, AR

AIRPORT

MENA INTERMOUNTAIN MUNI

EFFECTIVE DATE

3 JANUARY 2019

AMDT NO

6

OF CENTERLINE, UP TO 1652 FT MSL. BUILDING, TREES BEGINNING 1.9 NM FROM DER, 259 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/1715 FT MSL. TREES BEGINNING 2.1 NM FROM DER, 53 FT RIGHT OF CENTERLINE, UP TO 1449 FT MSL. TREE, POLE BEGINNING 2.2 NM FROM DER, 320 FT RIGHT OF CENTERLINE, UP TO 1462 FT MSL.

NOTE: RWY 35: BUILDINGS BEGINNING 26 FT FROM DER, 365 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/1069 FT MSL. TREES, POLE BEGINNING 106 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 1106 FT MSL. TREES BEGINNING 641 FT FROM DER, 425 FT RIGHT OF CENTERLINE, UP TO 1120 FT MSL. TREES BEGINNING 1074 FT FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 1130 FT MSL. TREE 2146 FT FROM DER, 60 FT LEFT OF CENTERLINE, 1120 FT MSL.

CONTROLLING OBSTACLES:

RWY 17: 2240 FT MSL AAO 342859.93N/0941143.14W (CLIMB GRADIENT), 2327 FT MSL AAO 342843.07N/0941111.75W (CLIMB TO ALTITUDE)
RWY 27: 1715 FT MSL BUILDING 343225.61N/0941454.23W (CLIMB GRADIENT, 1901 FT MSL TREE 343125.96N/0941457.99W (CLIMB TO ALTITUDE)
RWY 35: 2707 FT MSL AAO 343741.62N/0941459.85W
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 9 - 2327 FT MSL AAO 342843.07/0941111.75W, RWY 17 - 1874 FT MSL TREE 343048.60N/0941328.19W, RWY 27 - 1825 FT MSL TREE 343107.22N/0941344.49W
RWY 17, 27, 35 (VCOA): 2707 FT MSL AAO 343741.62N/0941459.85W, 2327 FT MSL AAO 342843.07N/0941111.75W

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
DONALD H LANIER
BRIAN HARRELSON Sep 27, 2018

OFFICE SYMBOL:

FICO

DATE:

09/25/2018

DEVELOPED BY: *Digitally signed by*
NICHOLAS JACKSON
NICHOLAS K. JACKSON Aug 17, 2018

OFFICE SYMBOL:

AJV-5431

DATE:

07/12/2018

APPROVED BY: *Digitally signed by*
DONALD H LANIER
PATRICK MULQUEEN Sep 27, 2018

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER:

ZME, AMGR

CHANGES - REASONS:

RWY 9 TAKEOFF MINIMUMS CHANGED FROM 284 FT PER NM TO 3500 TO STANDARD. - ROUTE/CLIMB- TO ALTITUDE DEVELOPED TO REMOVE CLIMB GRADIENT/ CRITEIRA IAW 8260.3C, 14-1-6 AND 8260.46F, TABLE 2-1-1.
RWY 17 TAKEOFF MINIMUMS CHANGED FROM 426 FT PER NM TO 3400 TO 435 FT PER NM TO 2700. - NEW CONTROLLING OBSTRUCTION IDENTIFIED AND NEW CRITERIA IAW 8260.3C, 14-1-6 AND 8260.46F, TABLE 2-1-1.
RWY 27 TAKEOFF MINIMUMS CHANGED FROM 408 FT PER NM TO 3500 TO 425 FT PER NM TO 2100. - NEW CONTROLLING OBSTRUCTION IDENTIFIED AND NEW CRITERIA IAW 8260.3C, 14-1-6 AND 8260.46F, TABLE 2-1-1.
RWY 35 TAKEOFF MINIMUMS CHANGED FROM 293 FT PER NM TO 3400 TO 465 FT PER NM TO 3300. - NEW CONTROLLING OBSTRUCTION IDENTIFIED AND NEW CRITERIA IAW 8260.3C, 14-1-6 AND 8260.46F, TABLE 2-1-1.
TEXTUAL DEPARTURE ROUTES ADDED TO MITIGATE HIGHER CLIMB GRADIENTS.
VCOA CEILING/VIS CHANGED FROM 1300-2 1/2 TO 1900-3. - NEW CONTROLLING OBSTRUCTION IDENTIFIED AND NEW CRITERIA IAW 8260.3C, 14-4-3.
VCOA CLIMB TO ALTITUDE CHANGED FROM 2300 TO 2800. - NEW CONTROLLING OBSTRUCTION IDENTIFIED AND NEW CRITERIA IAW 8260.3C, 14-4-3.
UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RWYS. - PER 8260.46F TABLE 2-1-1 & APPDX D, SECTION 1, #9 (8260.15A).
UPDATED CONTROLLING OBSTACLES FOR ALL RWYS. - IAW 8260.3C AND 8260.46F CHAPTER 14, APPDX D, SECTION 1, #10 (8260-15A).
COORDINATED WITH BLOCK: REMOVED APA AND ADDED ALPA - AMERICAN AIRLINES DOES NOT SERVICE AIRPORT AND ALL PART 97 DP'S ARE REQUIRED TO BE COORDINATED WITH ALPA.

QUALITY
8
CHECKED