

**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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
MKO	MUSKOGEE	OK	ORIG-B	

TAKEOFF MINIMUMS:

RWY 18, 36: NA - ENVIRONMENTAL.
RWY 4, 13: STANDARD.
RWY 22: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 436 FT/NM TO 900.
RWY 31: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 282 FT/NM TO 900.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 4: VEHICLES ON ROAD 564 FT FROM DER, 571 FT RIGHT OF CENTERLINE, 612 FT MSL.
TREE 1117 FT FROM DER, 66 FT RIGHT OF CENTERLINE, 40 FT AGL/630 FT MSL.

NOTE: RWY 22: TREES BEGINNING 6 FT FROM DER, 325 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/632 FT MSL.
TREE 634 FT FROM DER, 361 FT LEFT OF CENTERLINE, 627 FT MSL.
POLE, TREE BEGINNING 713 FT FROM DER, 147 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/635 FT MSL.
POLE 929 FT FROM DER, 683 FT RIGHT OF CENTERLINE, 49 FT AGL/641 FT MSL.
TREE 2814 FT FROM DER, 575 FT RIGHT OF CENTERLINE, 682 FT MSL.
TREE 2860 FT FROM DER, 965 FT RIGHT OF CENTERLINE, 700 FT MSL.
TREE 2873 FT FROM DER, 863 FT RIGHT OF CENTERLINE, 34 FT AGL/708 FT MSL.
TREES BEGINNING 2921 FT FROM DER, 777 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/710 FT MSL.
TREE, TERRAIN BEGINNING 2946 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/715 FT MSL.
TREES BEGINNING 3064 FT FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 693 FT MSL.
TREES BEGINNING 3108 FT FROM DER, 70 FT LEFT OF CENTERLINE, UP TO 698 FT MSL.
TREE 3311 FT FROM DER, 334 FT LEFT OF CENTERLINE, 699 FT MSL.
TREE 3416 FT FROM DER, 106 FT LEFT OF CENTERLINE, 700 FT MSL.
TREE 3527 FT FROM DER, 253 FT LEFT OF CENTERLINE, 702 FT MSL.
TREE 3636 FT FROM DER, 986 FT RIGHT OF CENTERLINE, 809 FT MSL.
TREE 3711 FT FROM DER, 153 FT LEFT OF CENTERLINE, 705 FT MSL.
TREES BEGINNING 4550 FT FROM DER, 1675 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/767 FT MSL.
TREES BEGINNING 4972 FT FROM DER, 1751 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/773 FT MSL.

RWY 31: SIGN 22 FT FROM DER, 259 FT LEFT OF CENTERLINE, 4 FT AGL/609 FT MSL.

CONTROLLING OBSTACLES:

RWY 22: 809 FT MSL TREE 353907.00N/0952257.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE), 773 FT MSL TREE 353903.00N/0952315.00W (CEILING) (VISIBILITY).
RWY 31: 819 FT MSL TREE 354009.00N/0952312.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING), 796 FT MSL TREE 354015.00N/0952327.00W (VISIBILITY).

REMARKS:

100 FT VEGETATION USED PER FPT.

FLIGHT INSPECTED BY
RUSSELL ROSLEWSKI

Digitally signed by
DAVID DANNER
Apr 22, 2025

OFFICE
AJF
DATE
04/18/2025

DEVELOPED BY
TIA FERONTI

Digitally signed by
TIA L FERONTI
Mar 28, 2025

OFFICE
AJV-A421
DATE
02/06/2025

APPROVED BY
DAVID DANNER

Digitally signed by
DAVID DANNER
Apr 22, 2025

OFFICE
AJV-A421
DATE
07/03/2025

TITLE
MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒

OTHER: ZFW, AMGR, STATE AVIATION DIRECTOR

CHANGES - REASONS:

- CLEAR NOTAM 3/4673, UPDATED TAKEOFF OBSTACLE NOTES.- UPDATED EVALUATION, ADDITIONAL LOW CLOSE-IN OBSTACLES.
- TAKEOFF MINIMUMS: RWY 22: "200-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 436 FT/NM TO 900" CHANGED TO "300-1 1/2 OR STANDARD

QUALITY
23
CHECKED

AIRPORT ID
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WITH MINIMUM CLIMB OF 436 FT/NM TO 900"; RWY 31: CLIMB GRADIENT CHANGED FROM 217 TO 282 FT/NM, REMOVED "OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200' PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700' PRIOR TO DER."- NEW CONTROLLING OBSTACLE, RUNWAY REDUCTION NO LONGER APPLIES.

3. REMARKS: ADDED "100 FT VEGETATION USED PER FPT".

4. CONTROLLING OBSTACLES: RWY 22: "809 MSL TREE 353907.00N/0952257.00W, RWY 31: 819 MSL TREE 354027.00N/0952315.00W" CHANGED TO "RWY 22: 809 FT MSL TREE 353907.00N/0952257.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE), 773 FT MSL TREE 353903.00N/0952315.00W (CEILING) (VISIBILITY); RWY 31: 819 FT MSL TREE 354009.00N/0952312.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING), 796 FT MSL TREE 354015.00N/0952327.00W (VISIBILITY)."- UPDATED EVALUATION.

