

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS
ADA, OK
ADA MUNI
TAKE-OFF MINIMUMS: Rwy 17, 300-1 or std. with a min. climb of 300' per NM to 1300.

ALTUS AFB (KLTS)
ALTUS, OK . . . . .07102
TAKE-OFF OBSTACLES: 174' Assault Strip, Aircraft taxiing 87' from DER, 360' left of centerline, 65' AGL/1428' MSL, aircraft taxiing between 1038' and 2525' from DER, 717' left of centerline, 65' AGL/1426' MSL.

ALVA, OK
ALVA RGNL
DEPARTURE PROCEDURE: Rwy 8, 35, climb on runway heading to 2000 before turning.

ARDMORE, OK
ARDMORE DOWNTOWN EXECUTIVE
TAKE-OFF MINIMUMS: Rwy 35, 300-1 or std. with a min. climb of 300' per NM to 1200.
DEPARTURE PROCEDURE: Rwy 17, climb on runway heading to 1500 prior to turning. Rwy 35, climb on runway heading to 1400 prior to turning.

NAME TAKE-OFF MINIMUMS
ARDMORE, OK (CON'T)
ARDMORE MUNI
TAKE-OFF MINIMUMS: Rwy 31, 300-1 or std. with a min. climb of 240' per NM to 900. Rwy 35, 500-1 or std. with a min. climb of 440' per NM to 900.

ARKADELPHIA, AR
DEXTER B. FLORENCE MEMORIAL FIELD
NOTES: Rwy 4, multiple towers, trees, and railroad beginning 20' from departure end of runway, 282' left of centerline, up to 85' AGL/320' MSL. Multiple trees 79' from departure end of runway, 500' right of centerline, up to 54' AGL/184' MSL. Rwy 22, railroad 274' from departure end of runway, 434' right of centerline, 23' AGL/ 212' MSL.

ASH FLAT, AR
SHARP COUNTY RGNL
NOTE: Rwy 4, numerous trees beginning 1151' from departure end of runway, 576' right of centerline, up to 100' AGL/839' MSL. Rwy 22, numerous trees beginning 548' from departure end of runway, 83' left of centerline, up to 100' AGL/759' MSL.

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**BARTLESVILLE, OK**

BARTLESVILLE MUNI (BVO)

ORIG 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17**, 200-1 or std. w/ a min climb of 257' per NM to 1000, or alternatively, w/ standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2200' prior to departure end of runway. **Rwy 35**, 400-2½ or std. w/ a min. climb of 300' per NM to 1200, or alternatively, w/ standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2000' prior to departure end of runway.

NOTE: **Rwy 17**, multiple trees beginning 916' from departure end of runway, 169' right of centerline, up to 100' AGL/869' MSL. **Rwy 35**, tree 2216' from departure end of runway, 441' left of centerline, 52' AGL/743' MSL. Multiple trees and powerline pylons beginning 1.1 NM from departure end of runway, 180' right of centerline, up to 100' AGL/1059' MSL.

**BATESVILLE, AR**

BATESVILLE RGNL

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1¼ or std. with a min. climb of 215' per NM to 800. **Rwy 25**, std. with a min. climb of 230' per NM to 1500, or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 25**, for climb in visual conditions: cross Batesville Rgnl Airport at or above 1300.

NOTE: **Rwy 7**, tree 1.3 NM from departure end of runway, 844' right of centerline, 100' AGL/679' MSL.

**BENTON, AR**

SALINE COUNTY RGNL (SUZ)

ORIG 07354 (FAA)

NOTE: **Rwy 2**, road plus vehicles beginning 185' from departure end of runway, 331' left of centerline, 10' AGL/394' MSL. Multiple trees beginning 357' from departure end of runway, 354' left of centerline, up to 75' AGL/474' MSL. Multiple trees beginning 69' from departure end of runway, 147' right of centerline, up to 35' AGL/454' MSL.

**Rwy 20**, multiple trees 1221' from departure end of runway, 15' left of centerline, up to 59' AGL/438' MSL. Multiple trees and pole beginning 1315' from departure end of runway, 10' right of centerline, up to 69' AGL/448' MSL.

**BENTONVILLE, AR**

BENTONVILLE MUNI/LOUISE M. THADEN

FIELD

TAKE-OFF MINIMUMS: **Rwy 36**, 300-2¼ or std. with a min. climb of 270' per NM to 1700.

NOTE: **Rwy 36**, tower 1.92 NM from departure end of runway, 1607' left of centerline, 345' AGL/1595' MSL. Multiple t-line towers 2048' from departure end of runway, 81' AGL/1356' MSL.

**BLYTHEVILLE, AR**

ARKANSAS INTL (BYH)

ORIG 08101 (FAA)

NOTE: **Rwy 36**, tree 3301' from departure end of runway, 1188' left of centerline, 88' AGL/337' MSL.

**BLYTHEVILLE MUNI (HKA)**

ORIG 08157 (FAA)

NOTE: **Rwy 18**, tree 487' from departure end of runway, 345' left of centerline, 100' AGL/364' MSL. Tree 1780' from departure end of runway, 748' right of centerline, 100' AGL/364' MSL. **Rwy 36**, tree 2393' from departure end of runway, 825' right of centerline, 100' AGL/359' MSL.

**BRISTOW, OK**

JONES MEMORIAL

NOTE: **Rwy 17**, cross departure end of runway at or above 31' AGL/882' MSL. T-L towers 6532' from departure end of runway, 686' right of centerline, 70' AGL/960' MSL.

**CARLISLE, AR**

CARLISLE MUNI (4M3)

ORIG 08157 (FAA)

NOTE: **Rwy 9**, trees 2966' from departure end of runway, 1135' right of centerline, 100' AGL/339' MSL. Building 82' from departure end of runway, 331' left of centerline, 20' AGL/264' MSL. Building 781' from departure end of runway, 565' right of centerline, 30' AGL/269' MSL. **Rwy 18**, trees 306' from departure end of runway, across centerline, up to 100' AGL/344' MSL. Road 674' from departure end of runway, across centerline, 17' AGL/262' MSL. **Rwy 27**, trees 2668' from departure end of runway, 516' right of centerline, 100' AGL/344' MSL. **Rwy 36**, road 396' from departure end of runway, across centerline, 15' AGL/259' MSL.

**CHANDLER, OK**

CHANDLER RGNL

NOTE: **Rwy 35**, tree 1000' from departure end of runway, on centerline, 67' AGL/1029' MSL.

**CLARKSVILLE, AR**

CLARKSVILLE MUNI

TAKE-OFF MINIMUMS: **Rwy 9**, 400-2  
DEPARTURE PROCEDURE: **Rwys 9, 27**, climb on runway heading to 3500 prior to turning northbound.

**CLINTON, OK**

CLINTON RGNL

TAKE-OFF MINIMUMS: **Rwys 13, 31**, NA-obstacles.  
**Rwy 35**, 300-1 or std. w/ min. climb of 408' per NM to 2000.

NOTE: **Rwy 35**, tower 4403' from departure end of runway, 1625' left of centerline, 230' AGL/1780' MSL.

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## CONWAY, AR

DENNIS F. CANTRELL FIELD (CWS)  
AMDT 1 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 26**, NA at night. **Rwy 26**, 200-1 or std. w/ min. climb of 346' per NM to 600. **Rwy 36**, 400-2½ or std. w/ min. a minimum climb of 289' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 36**, climb heading 358° to 900 before proceeding on course.

NOTE: **Rwy 8**, trees, tower, poles and a building beginning 355' from departure end of runway, 10' right of centerline, up to 100' AGL/399' MSL. Trees, buildings, poles, sign, and a vehicle on roadway beginning 65' from departure end of runway, 18' left of centerline, up to 100' AGL/399' MSL. **Rwy 18**, silo 2222' from departure end of runway, 64' right of centerline, 100' AGL/413' MSL. Trees beginning 2370' from departure end of runway, 888' right of centerline, up to 100' AGL/399' MSL. **Rwy 26**, antenna 2003' from departure end of runway, 932' right of centerline, 140' AGL/449' MSL. Tank 3636' from departure end of runway, 1178' left of centerline, 165' AGL/475' MSL. Terrain beginning 27' from departure end of runway, 83' right of centerline, up to 0' AGL/325' MSL. **Rwy 36**, tower 11088' from departure end of runway, 3152' right of centerline, 150' AGL/650' MSL. Tower 11231' from departure end of runway, 3894' right of centerline, 186' AGL/687'. Trees beginning 2016' from departure end of runway, 340' right of centerline, up to 100' AGL/409' MSL. Trees and towers beginning 4368' from departure end of runway, 964' left of centerline, up to 119' AGL/428' MSL.

## CUSHING, OK

CUSHING MUNI

TAKE-OFF MINIMUMS: **Rwys 2, 8, 11, 20, 26, 29**, NA. **Rwy 36**, 400-2 or std. with a min. climb of 210' per NM to 1400.

DEPARTURE PROCEDURES: **Rwy 36**, climb via heading 360° to 1400' before turning left.

NOTE: **Rwy 36**, tower 2.16 NM from departure end of runway, 5370' left of centerline, 250' AGL/1263' MSL.

## DEQUEEN, AR

J. LYNN HELMS SEVIER COUNTY

TAKE-OFF MINIMUMS: **Rwy 8**, 400-2 or std. with a min. climb of 310' per NM to 800.

## DECATUR, AR

CRYSTAL LAKE

TAKE-OFF MINIMUMS: **Rwy 13**, NA-obstacles.

NOTE: **Rwy 31**, railroad 208' from departure end of runway, on centerline, 23' AGL/1202' MSL, multiple trees beginning 228' from departure end of runway, left of centerline up to 1231' MSL.

## DUMAS, AR

BILLY FREE MUNI

TAKE-OFF MINIMUMS: **Rwy 36**, 300-1.

## DUNCAN, OK

HALLIBURTON FIELD

TAKE-OFF MINIMUMS: **Rwy 35**, 400-2, or std. with a min. climb of 220' per NM to 1600.

## EL DORADO, AR

SOUTH ARKANSAS RGNL AT GOODWIN FIELD

TAKE-OFF MINIMUMS: **Rwys 13, 22, 31, 35, 300-1**. DEPARTURE PROCEDURE: **Rwy 17**, climb runway heading to 600, then climb on course.

## EL RENO, OK

EL RENO RGNL (RQO)

ORIG 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18, 36**, NA-Environmental. **Rwy 35**, 200-1 or std. w/ min. climb of 300' per NM to 1700.

NOTE: **Rwy 17**, vehicle on road 444' from departure end of runway, on centerline, 17' AGL/1436' MSL. **Rwy 35**, powerlines, 1800' from departure end of runway, on centerline, 80' AGL/1519' MSL.

## ELK CITY, OK

ELK CITY RGNL BUSINESS

NOTE: **Rwy 35**, multiple trees beginning 43' from departure end of runway, 225' left of centerline, up to 100' AGL/2119' MSL. Multiple trees beginning 44' from departure end of runway, 22' right of centerline, up to 100' AGL/2119' MSL.

## ENID, OK

ENID WOODRING RGNL

DEPARTURE PROCEDURE: **Rwys 12, 17**, climb runway heading to 1500 before turning left. **Rwy 35**, climb runway heading to 1500 before turning right.

## FAIRVIEW, OK

FAIRVIEW MUNI

TAKE-OFF MINIMUMS: **Rwy 17**, 400-2 or std. with a min. climb of 270' per NM to 1700.

## FAYETTEVILLE, AR

DRAKE FIELD

TAKE-OFF MINIMUMS: **Rwy 16**, 900-2 or 500-1 with a min. climb of 280' per NM to 2400. **Rwy 34**, 400-1.

DEPARTURE PROCEDURE: **Rwy 16**, climb runway heading 180° to 2400 before turning right, climb heading 180° to 4100 before turning left. **Rwy 34**, climb to 2000' before proceeding on course.

NOTE: **Rwy 16**, 1679' trees on ridge line 6000' from departure end, 2000' left of centerline. **Rwy 34**, 1540' hill and pole 3500' from departure end, 1350' right of centerline.

## FAYETTEVILLE/SPRINGDALE/ROGERS, AR

NORTHWEST ARKANSAS RGNL

TAKE-OFF MINIMUMS: **Rwy 34**, 500-2¾ or std. with a min. climb of 227' per NM to 1900.

NOTES: **Rwy 16**, trees 1985' from departure end of runway, 1020' right of centerline, up to 100' AGL/1321' MSL. **Rwy 34**, tower 1.99 NM from departure end of runway, 1.29 NM left of centerline, 309' AGL/1729' MSL.

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## FLIPPIN, AR

MARION COUNTY RGNL

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1.

DEPARTURE PROCEDURE: **Rwy 4**, turn right, direct FLPVOR, then climb on course. **Rwy 22**, climb runway heading to 900, turn left, proceed direct FLPVOR, then climb on course.

## FORREST CITY, AR

FORREST CITY MUNI

TAKE-OFF MINIMUMS: **Rwy 36**, 500-3 or std. with a min. climb of 290' per NM to 900.

## FORT SMITH, AR

FORT SMITH RGNL

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 or std. with a min. climb of 353' per NM to 800. **Rwy 7**, 300-1½ or std. with a min. climb of 261' per NM to 800. **Rwy 19**, 200-1½ or std. w/a min. climb of 226' per NM to 700, or alternatively, w/std. takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1700' prior to departure end of runway. **Rwy 25**, 300-1 or std. w/a min. climb of 351' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 016° to 2400 before turning left. **Rwy 25**, climb heading 256° to 1100 before turning right.

NOTE: **Rwy 1**, terrain 56' from departure end of runway, 218' right of centerline, 0' AGL/449' MSL. Terrain 159' from departure end of runway, 354' left of centerline, 0' AGL/449' MSL. Light pole 1086' from departure end of runway, 287' left of centerline, 36' AGL/485' MSL. Tree 1495' from departure end of runway, 364' left of centerline, 60' AGL/509' MSL. Towers beginning 4315' from departure end of runway, 79' left of centerline, up to 109' AGL/619' MSL. Trees beginning 5136' from departure end of runway, 924' right of centerline, up to 100' AGL/679' MSL. **Rwy 7**, terrain 835' from departure end of runway, 678' left of centerline, 0' AGL/479' MSL. Trees beginning 3910' from departure end of runway, 1032' left of centerline, up to 57' AGL/556' MSL. Trees beginning 1.2 NM from departure end of runway, 1416' right of centerline, up to 100' AGL/699' MSL. Pole 1.2 NM from departure end of runway, 1572' right of centerline, 41' AGL/640' MSL. **Rwy 19**, vehicle and road 200' from departure end of runway, 200' left of centerline, 15' AGL/462' MSL. Railroad, 639' from departure end of runway, 313' left of centerline, 20' AGL/449' MSL. Tank 704' from departure end of runway, 518' left of centerline, 31' AGL/480' MSL. Railroad 751' from departure end of runway, 2' right of centerline, 22' AGL/471' MSL. Trees beginning 930' from departure end of runway, 211' left of centerline, up to 48' AGL/627' MSL. Tree 941' from departure end of runway, 97' right of centerline, 25' AGL/474' MSL. Pole 1949' from departure end of runway, 439' left of centerline, 42' AGL/501' MSL. Elevator 2106' from departure end of runway, 969' right of centerline, 86' AGL/536' MSL. **Rwy 25**, pole 1642' from departure end of runway, 734' right of centerline, 24' AGL/513' MSL. Trees beginning 1848' from departure end of runway, 690' right of centerline, up to 100' AGL/629' MSL. Tower 4981' from departure end of runway, 1376' left of centerline, 125' AGL/623' MSL. Tank 5628' from departure end of runway, 208' left of centerline, 101' AGL/610' MSL.

## GOLDSBY, OK

DAVID JAY PERRY

NOTE: **Rwy 13**, trees beginning 751' from departure end of runway, 481' left of centerline, up to 50' AGL/1209' MSL. Tree 982' from departure end of runway, 730' right of centerline, 50' AGL/1189' MSL. Terrain 101' from departure end of runway, 369' right of centerline, 1159' MSL. **Rwy 31**, tree 1624' from departure end of runway, 550' right of centerline, 50' AGL/1219' MSL. **Rwy 35**, tree 930' from departure end of runway, 45' left of centerline, 50' AGL/1199' MSL. Road 905' from departure end of runway, 18' left of centerline, 15' AGL/1194' MSL.

## GROVE, OK

GROVE MUNI (GMJ)

ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, 200-1¼ or std. w/ min. climb of 271' per NM to 1100.

NOTE: **Rwy 18**, building 308' from departure end of runway, 321' left of centerline, 13' AGL/842' MSL. Multiple buildings beginning 11' from departure end of runway, 325' right of centerline, 22' AGL/851' MSL. Windsock 118' from departure end of runway, 325' right of centerline, 22' AGL/851' MSL. Light 165' from departure end of runway, 420' left of centerline, 24' AGL/863' MSL. Vehicle on road 598' from departure end of runway, 619' left of centerline, 15' AGL/854' MSL. Vehicle on road 590' from departure end of runway, 499' right of centerline, 15' AGL/844' MSL. Trees and poles beginning 33' from departure end of runway, 12' left of centerline, up to 100' AGL/1019' MSL. Trees and poles beginning 252' from departure end of runway, 13' right of centerline, up to 40' AGL/869' MSL. **Rwy 36**, rising terrain beginning 30' from departure end of runway, 277' left of centerline, up to 826' MSL. Pole 316' from departure end of runway, 521' left of centerline, 20' AGL/859' MSL. Trees beginning 151' from departure end of runway, 54' left of centerline, up to 100' AGL/939' MSL. Trees beginning 109' from departure end of runway, 49' right of centerline, up to 85' AGL/884' MSL.

## GUTHRIE, OK

GUTHRIE-EDMOND RGNL

DEPARTURE PROCEDURE: **Rwy 11**, left or right climbing turn to 1600 prior to turning on course. **Rwy 16**, climb to 1600 prior to left turn.

## GUYMON, OK

GUYMON MUNI

TAKE-OFF MINIMUMS: **Rwys 6, 24**, 600-2.

DEPARTURE PROCEDURE: **Rwy 18, 36**, climb runway heading to 3700 before turning.

## HARRISON, AR

BOONE COUNTY

TAKE-OFF MINIMUMS: **Rwy 18**, 1400-3 or std. with a min. climb of 320' per NM to 3200.

DEPARTURE PROCEDURE: **Rwy 18**, climb via heading 182° to 2600 before turning.

## HELENA/WEST HELENA, AR

THOMPSON-ROBBINS

TAKE-OFF MINIMUMS: **Rwy 8**, 400-2 or std. with a min. climb of 250' per NM to 700.

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## HENRYETTA, OK

### HENRYETTA MUNI

TAKE-OFF MINIMUMS: **Rwy 36**, 500-3 or std. with a min. climb of 270' per NM to 1500.

NOTE: **Rwy 35**, tower 13, 139' from departure end of runway, 885' right of centerline, 318' AGL/1273' MSL. Tower 8882' from departure end of runway, 6059' left of centerline, 330' AGL/1223' MSL.

## HOBART, OK

### HOBART RGNL (HBR)

#### AMDT 1 08073 (FAA)

TAKE-OFF MINIMUMS: **Rwys 3, 12, 21, 30**, NA-Environment.

NOTE: **Rwy 35**, Terrain beginning 107' from departure end of runway, 185' left of centerline, 0' AGL/1549' MSL. terrain beginning 109' from departure end of runway, 63' right of centerline, 0' AGL/1549' MSL.

## HOT SPRINGS, AR

### MEMORIAL FIELD

TAKE-OFF MINIMUMS: **Rwy 31**, 1100-3 or std. with a min. climb of 700' per NM to 1700. **Rwy 5**, 1100-3 or std. with a min climb of 820' per NM to 1700. **Rwy 13**, 300-1 or std. with a min. climb of 220' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 5**, climbing right turn via HOT R-065, continue climb to 1700 before departing on course. **Rwys 13, 23, 31**, climb on runway heading to 1700 before departing on course.

## IDABEL, OK

### MCCURTAIN COUNTY RGNL

NOTE: **Rwy 2**, trees 1.92 NM from departure end of runway, on centerline, 100' AGL/629' MSL.

## JONESBORO, AR

### JONESBORO MUNI (JBR)

#### AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31**, NA-obstacles.

NOTE: **Rwy 5**, multiple trees beginning 872' from departure end of runway, 459' right of centerline, up to 55' AGL/304' MSL. trees 1226' from departure end of runway, 557' left of centerline, 64' AGL/315' MSL. **Rwy 13**, multiple trees and poles beginning 356' from departure end of runway, 188' right of centerline, up to 48' AGL/304' MSL. Trees and poles beginning 694' from departure end of runway, 81' left of centerline, 45' AGL/278' MSL. Railroad 600' from departure end of runway, 9' left of centerline, up to 19' AGL/275' MSL. **Rwy 23**, multiple trees beginning 2493' from departure end of runway, 282' right of centerline, up to 66' AGL/326' MSL.

## LITTLE ROCK, AR

### ADAMS FIELD (LIT)

#### AMDT 8 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1½ or std. w/ min. climb of 391' per NM to 600. **Rwy 22L**, 300-1¼ or std. w/ min. climb of 216' per NM to 500, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to departure end of runway. **Rwy 22R**, 300-2 or std. w/ min. climb of 329' per NM to 1100.

DEPARTURE PROCEDURE: **Rwy 22R**, climb heading 225° to 1100 before turning right. **Rwy 36**, climb heading 360° to 800 before turning left.

NOTE: **Rwy 4L**, tree 1784' from departure end of runway, 787' right of centerline, 100' AGL/339' MSL. **Rwy 4R**, tree 3337' from departure end of runway, 1050' right of centerline, 100' AGL/349' MSL. **Rwy 18**, trees beginning 1147' from departure end of runway, 153' left of centerline, up to 100' AGL/401' MSL. Vehicle/road 2037' from departure end of runway, 177' left of centerline, 17' AGL/313' MSL, railroad 1264' from departure end of runway, 18' left of centerline, 23' AGL/285' MSL. Trees beginning 1473' from departure end of runway, 132' right of centerline, up to 100' AGL/479' MSL, elevator 4633' from departure end of runway, 371' right of centerline, 88' AGL/399' MSL. Train 60' from departure end of runway, 470' right of centerline, 23' AGL/282' MSL. Stack 4873' from departure end of runway, 75' right of centerline, 87' AGL/402' MSL. Railroad crossing guard 489' from departure end of runway, 545' right of centerline, 26' AGL/282' MSL. Railroad 777' from departure end of runway, 537' right of centerline, 23' AGL/277' MSL. **Rwy 22L**, trees, beginning 782' from departure end of runway, 174' left of centerline, up to 100' AGL/419' MSL. Obstruction light poles, beginning 2130' from departure end of runway, 754' left of centerline, up to 100' AGL/364' MSL. Building 1310' from departure end of runway, 820' left of centerline, 25' AGL/300' MSL. Trees, beginning 4728' from departure end of runway, 1423' right of centerline, up to 100' AGL/499' MSL. Light 982' from departure end of runway, 503' right of centerline, 100' AGL/295' MSL. **Rwy 22R**, trees beginning 1236' from departure end of runway, 407' left of centerline, up to 100' AGL/512' MSL. Railroad 969' from departure end of runway, 731' left of centerline, 26' AGL/285' MSL. Antenna 9769' from departure end of runway, 2625' left of centerline, 119' AGL/508' MSL. Train 441' from departure end of runway, 608' right of centerline, 23' AGL/282' MSL. Poles beginning 948' from departure end of runway, 101' right of centerline, up to 34' AGL/293' MSL. Building 1169' from departure end of runway, 420' right of centerline, 32' AGL/291' MSL. Trees beginning 1702' from departure end of runway, 356' right of centerline, up to 100' AGL/311' MSL. Railroad crossing guard 819' from departure end of runway, 216' right of centerline, 23' AGL/282' MSL. Antenna 349' from departure end of runway, 479' right of centerline, 18' AGL/267' MSL. **Rwy 36**, trees beginning 449' from departure end of runway, 15' left of centerline, up to 100' AGL/370' MSL. Pole 904' from departure end of runway, 386' left of centerline, 41' AGL/300' MSL. Tower 1669' from departure end of runway, 505' left of centerline, 60' AGL/313' MSL. Trees beginning 350' from departure end of runway, 408' right of centerline, up to 100' AGL/347' MSL. Pole 902' from departure end of runway, 25' right of centerline, 42' AGL/301' MSL.

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# TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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## LITTLE ROCK AFB (KLRF)

JACKSONVILLE, AR . . . . . 08045  
 DEPARTURE PROCEDURE: **Rwy 25:** Cross DER at least 13' AGL/299 MSL. 467' (80' AGL) trees, 6528' from departure end of rwy, 2248' left of centerline.  
 TAKE-OFF OBSTACLES: **Rwy 07:** Multiple trees up to 80' AGL/367' MSL, 1045' from DER, 724' right of centerline. Multiple trees up to 80' AGL/370' MSL, 1433' from DER, 674' left of centerline. **Rwy 07** (Assault Strip): Terrain 299' MSL, 26' from DER, 337' left of centerline. Terrain 292' MSL, 32' from DER, 413' right of centerline. Multiple trees 80' AGL/384' MSL, 1882' from DER, 536' left of centerline. Multiple trees 80' AGL/367' MSL, 2960' from DER, 1174' right of centerline. **Rwy 25:** Multiple trees 80' AGL/364' MSL, 1006' from DER, 722' right of centerline. Multiple trees 80' AGL/400' MSL, 4200' from DER, 757' left of centerline. **Rwy 25** (Assault Strip): Terrain 312' MSL, 4' from DER, 372' right of centerline. Multiple trees 80' AGL/436' MSL, 1387' from DER, 840' right of centerline.

## MADILL, OK

MADILL MUNI  
 TAKE-OFF MINIMUMS: **Rwy 18,** 1000-3 or std. with a min. climb of 325' per NM to 3000.  
 DEPARTURE PROCEDURE: **Rwy 36,** climb runway heading to 2600 before turning southbound. **Rwy 18,** plan departure to avoid 2584' tower 6 NM south of airport or maintain climb of 325' per NM to 3000.

## MAGNOLIA, AR

MAGNOLIA MUNI  
 NOTE: **Rwy 18,** 100' AGL tree 1950' from departure end of runway, 350' left of centerline.

## MALVERN, AR

MALVERN MUNI  
 NOTE: **Rwy 4,** multiple trees beginning 456' from departure end of runway, 1' left of centerline, up to 100' AGL/649' MSL. Multiple trees beginning 456' from departure end of runway, 1' right of centerline, up to 100' AGL/649' MSL. **Rwy 22,** multiple trees and powerlines beginning 241' from departure end of runway, 1' left of centerline, up to 75' AGL/604' MSL. Multiple trees and powerlines beginning 241' from departure end of runway, 1' right of centerline, up to 75' AGL/604' MSL.

## MCALESTER, OK

MCALESTER RGNL  
 TAKE-OFF MINIMUMS: **Rwy 1,** 300-1½ or std. w/ a min. climb of 318' per NM to 1100. **Rwy 19,** 300-2 or std. w/ a min. climb of 232' per NM to 1100 or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1900' prior to departure end of runway.  
 NOTE: **Rwy 1,** light standard, tree and pole beginning 203' from departure end of runway, 302' right of centerline, up to 59' AGL/828' MSL. Pole 104' from departure end of runway, 276' left of centerline, 31' AGL/780' MSL. Tree 5344' from departure end of runway, 1912' left of centerline, 100' AGL/989' MSL. **Rwy 19,** multiple trees and poles beginning 715' from departure end of runway, 66' right and 97' left of centerline, up to 50' AGL/934' MSL. Radio mast 9021' from departure end of runway, 2565' right of centerline, 266' AGL/985' MSL.

## MELBOURNE, AR

MELBOURNE MUNI-JOHN E MILLER FIELD  
 TAKE-OFF MINIMUMS: **Rwy 21,** 300-1½ or std. with a min. climb of 211' per NM to 1000.  
 NOTE: **Rwy 21,** water tank 1.1 NM from departure end of runway, 49' left of centerline, 105' AGL/939' MSL.

## MENA, AR

MENA INTERMOUNTAIN MUNI  
 TAKE-OFF MINIMUMS: **Rwy 9,** std. with a min. climb of 284' per NM to 3500, or 1300-2½ for climb in visual conditions. **Rwy 17,** std. with a min. climb of 426' per NM to 3400, or 1300-2½ for climb in visual conditions. **Rwy 27,** std. with a min. climb of 408' per NM to 3500, or 1300-2½ for climb in visual conditions. **Rwy 35,** std. with a min. climb of 293' per NM to 3400, or 1300-2½ for climb in visual conditions.  
 DEPARTURE PROCEDURE: **Rwys 9, 17, 27, 35,** for climb in visual conditions: cross Mena Intermountain Municipal Airport at or above 2300.  
 NOTE: **Rwy 27,** trees 2.01 NM from departure end of runway, on centerline, 100' AGL/1759' MSL.

## MONTICELLO, AR

MONTICELLO MUNI/ELLIS FIELD (LLQ)  
 ORIG 08213 (FAA)  
 TAKE-OFF MINIMUMS: **Rwy 21,** 200-1½ or std. w/ min. climb of 436' per NM to 600.  
 NOTE: **Rwy 3,** tree 278' from departure end of runway, 544' left of centerline, 100' AGL/349' MSL. Vehicle on road 625' from departure end of runway, 628' right of centerline, 15' AGL/264' MSL. **Rwy 21,** tree 3687' from departure end of runway, 819' left of centerline, 100' AGL/469' MSL. Vehicle on road 1000' from departure end of runway, 676' left of centerline, 15' AGL/294' MSL. Trees beginning 435' from departure end of runway, 607' right of centerline, up to 100' AGL/399' MSL. Powerline 5621' from departure end of runway, 994' right of centerline, 79' AGL/458' MSL. Powerline 4504' from departure end of runway, 1652' right of centerline, 79' AGL/388' MSL.

## MORRILTON, AR

MORRILTON MUNI (BDQ)  
 ORIG-A 08129 (FAA)  
 TAKE-OFF MINIMUMS: **Rwy 27,** Std. w/ min. climb of 211' per NM to 1600 or 900-2½ for climb in visual conditions.  
 DEPARTURE PROCEDURE: **Rwy 27,** For climb in visual conditions cross Morrilton Municipal Airport at or above 1100 MSL before proceeding on course.  
 NOTE: **Rwy 9,** trees beginning 321' from departure end of runway, 511' right of centerline up to 100' AGL/419' MSL. Trees beginning 3378' from departure end of runway, 346' left of centerline, up to 100' AGL/449' MSL. **Rwy 27,** trees beginning 814' from departure end of runway, 317' left of centerline up to 100' AGL/399' MSL. Trees beginning 1552' from departure end of runway, 6' right of centerline up to 100' AGL/429' MSL.

## PETIT JEAN PARK

TAKE-OFF MINIMUMS: **Rwy 21,** 400-2 or std. with a min. climb of 420' per NM to 1400.  
 DEPARTURE PROCEDURE: **Rwy 3,** climb runway heading to 1300 before turning.

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**MOUNTAIN HOME, AR**

OZARK RGNL

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 or std. with a min. climb of 270' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 5**, turn right.

**Rwy 23**, turn left: **All aircraft** proceed direct via FLP VOR/DME then climb on course.

**MOUNTAIN VIEW, AR**

MOUNTAIN VIEW WILCOX MEMORIAL FIELD

TAKE-OFF MINIMUMS: **Rwy 9**, 1000-3 or std. with a min. climb of 370' per NM to 2100. **Rwy 27**, 1800-3 or std. with a min. climb of 350' per NM to 3100.

DEPARTURE PROCEDURE: **Rwy 9**, climb via heading 092° to 2100 before turning. **Rwy 27**, climb via heading 272° to 3100 before turning.

**MULDROW AHP (KHYM)**

LEXINGTON, OK . . . . . ORIG, 08213

TAKE-OFF OBSTACLES: **Rwy 17**, trees, poles, buildings and fence, up to 60' AGL/1149' MSL, 17' from DER, left and right of centerline. **Rwy 35**, trees, pole and NDB, up to 70' AGL/1161' MSL, 45' from DER, left and right of centerline.

**MUSKOGEE, OK**

DAVIS FIELD (MKO)

ORIG 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwys 18, 36**, NA-Environmental. **Rwy 22**, 200-1½ or std. w/ min. climb of 436' per NM to 900. **Rwy 31**, 300-1½ or std. w/ min. climb of 217' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to departure end of runway.

NOTE: **Rwy 22**, tree 3637' from departure end of runway, 985' right of centerline, 100' AGL/809' MSL. **Rwy 31**, tree 7679' from departure end of runway, 851' left of centerline, 100' AGL/819' MSL.

**NEWPORT, AR**

NEWPORT MUNI (M19)

ORIG 08269 (FAA)

NOTE: **Rwy 22**, building beginning 1947' from departure end of runway, 452' right of centerline, 60' AGL/299' MSL. **Rwy 36**, trees 2163' from departure end of runway, 939' left of centerline, up to 100' AGL/339' MSL.

**NORMAN, OK**

UNIVERSITY OF OKLAHOMA WESTHEIMER

NOTE: **Rwy 3**, multiple elevators, tower, and cement hopper beginning 1452' from departure end of runway, 358' right of centerline, up to 56' AGL/1236' MSL. **Rwy 21**, terrain 167' from departure end of runway, 506' right of centerline, 1182' MSL. **Rwy 35**, multiple poles beginning 699' from departure end of runway 518' right of centerline, up to 37' AGL/1215' MSL.

**NORTH LITTLE ROCK, AR**

NORTH LITTLE ROCK MUNI

NOTE: **Rwy 5**, 80' AGL tree 360' from departure end of runway, 500' right of centerline. **Rwy 35**, 45' AGL trees 650' from departure end of runway, 300' left of centerline; 85' AGL tree 700' from departure end of runway, 600' right of centerline.

**OKLAHOMA CITY, OK**

CLARENCE E. PAGE MUNI

NOTE: **Rwy 17R**, multiple trees beginning 43' from departure end of runway, 331' right of centerline, 15' AGL/1348' MSL. Multiple trees beginning 260' from departure end of runway, 345' left of centerline, 37' AGL/1366' MSL. **Rwy 35L**, bush 90' from departure end of runway, 482' left of centerline, 8' AGL/1358' MSL.

**SUNDANCE AIRPARK**

TAKE-OFF MINIMUMS: **Rwy 17**, 400-1.

**WILL ROGERS WORLD**

NOTE: **Rwy 35L**, post 47' from departure end of runway, 495' left of centerline, 14' AGL/1287' MSL. **Rwy 36**, obstruction light on lighted WSK 678' from departure end of runway, 153' left of centerline, 31' AGL/1295' MSL.

**WILEY POST (PWA)**

AMDT 4 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17L**, 200-1 or std. with a min. climb of 310' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 13**, climb heading 127° to 2300 before turning left. **Rwys 35L, 35R**, climb heading 352° to 1900 before turning right.

NOTE: **Rwy 13**, multiple trees 2032' from departure end of runway, 405' left of centerline, 50' AGL/1359' MSL. Multiple hangars 466' from departure end of runway, 465' left of centerline, 17' AGL/1316' MSL. Multiple hangars 1348' from departure end of runway, 604' right of centerline, 35' AGL/1334' MSL. **Rwy 17L**, multiple tanks 4592' to 6210' from departure end of runway, 1220' to 1385' left of centerline, up to 148' AGL/1478' MSL. Multiple trees 1292' to 1360' from departure end of runway, 645' to 727' right of centerline, up to 50' AGL/1345' MSL. **Rwy 17R**, windsock 326' from departure end of runway, 421' left of centerline, 20' AGL/1305' MSL. **Rwy 31**, road with vehicle 556' from departure end of runway, 319' left of centerline, 15' AGL/1289' MSL. **Rwy 35L**, multiple trees 706' from departure end of runway, 560' left of centerline, 50' AGL/1329' MSL. Spire 2442' from departure end of runway, 900' left of centerline, 86' AGL/1366' MSL.

**OKMULGEE, OK**

OKMULGEE RGNL

DEPARTURE PROCEDURE: **Rwy 36**, climb heading 356° to 1600 before proceeding on course.

NOTE: **Rwy 18**, multiple trees beginning 1303' from departure end of runway, 69' left of centerline, up to 100' AGL/779' MSL. Multiple trees beginning 1699' from departure end of runway, 12' right of centerline, up to 100' AGL 779' MSL.

**OSCEOLA, AR**

OSCEOLA MUNI

TAKE-OFF MINIMUMS: **Rwy 1**, 300-1.

NOTE: **Rwy 1**, 180' AGL antenna 3003' from departure end of runway, 20' right of centerline.

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**OZARK, AR****OZARK-FRANKLIN COUNTY**

TAKE-OFF MINIMUMS: **Rwy 4**, 400-2 or std. with a min. climb of 492' per NM to 1400. **Rwy 22**, std. with a min. climb of 282' per NM to 1400, or 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 4**, climbing right turn to 3000 via FSM R-064 to FSM VORTAC before proceeding on course. **Rwy 22**, climbing right turn to 3000 via FSM R-064 to FSM VORTAC before proceeding on course, or for climb in visual conditions cross Ozark-Franklin County Airport southwest bound at or above 1600 then climb to 3000 via FSM R-064 to FSM VORTAC before proceeding on course.

NOTE: **Rwy 4**, trees beginning 1906' from departure end of runway, 100' left of centerline, up to 100' AGL/959' MSL. Trees beginning 3412' from departure end of runway, 6' right of centerline, up to 100' AGL/959' MSL. Tower 1.1 NM from departure end of runway, 470' left of centerline, 205' AGL/995' MSL. **Rwy 22**, rising terrain and trees beginning 1.6 NM from departure end of runway, 1017' right of centerline, up to 100' AGL/999' MSL. Rising terrain and trees beginning 2.7 NM from departure end of runway, on centerline, up to 100' AGL/1079' MSL.

**PARAGOULD, AR****KIRK FIELD**

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. with a min. climb of 333' per NM to 600. **Rwys 8, 26**, NA-unsurveyed turf runways. **Rwy 22**, 200-1.

NOTE: **Rwy 4**, tank 5070' from departure end of runway, 883' right of centerline, 190' AGL/470' MSL. Road 1285' from departure end of runway, on centerline, 289' MSL. Sign 1506' from departure end of runway, 135' right of centerline, 50' AGL/331' MSL. **Rwy 22**, sign 311' from departure end of runway, 285' right of centerline, 30' AGL/325' MSL. Road 300' from departure end of runway, on centerline, 295' MSL.

**PONCA CITY, OK****PONCA CITY RGNL (PNC)****ORIG 07354 (FAA)**

NOTE: **Rwy 17**, multiple buildings, poles, and antenna beginning 195' from departure end of runway, 303' right of centerline, up to 81' AGL/1071' MSL. Trees and pole 1304' from departure end of runway, from 400' left of centerline, 70' AGL/1061' MSL. **Rwy 35**, antenna on building 10' from departure end of runway, 437' right of centerline, 13' AGL/1013' MSL. Trees 1475' from departure end of runway, 350' right of centerline 50' AGL/1030' MSL.

**POTEAU, OK****ROBERT S. KERR**

DEPARTURE PROCEDURE: **Rwy 18**, climb runway heading to 2500 before turning on course. **Rwy 36**, climb runway heading to 2800 before turning on course.

NOTE: **Rwy 36**, cross departure end of runway at or above 16' AGL/461' MSL.

**PRYOR, OK****MID-AMERICA INDUSTRIAL**

DEPARTURE PROCEDURE: **Rwys 18, 36**, climb to 1400 before turning on course.

**ROGERS, AR****ROGERS MUNI-CARTER FIELD**

NOTES: **Rwy 20**, multiple towers and trees beginning 393' from departure end of runway, 209' right of centerline, up to 122' AGL/1462' MSL. Multiple towers and trees beginning 567' from departure end of runway, 81' left of centerline, up to 108' AGL/1469' MSL.

**RUSSELLVILLE, AR****RUSSELLVILLE RGNL**

TAKE-OFF MINIMUMS: **Rwy 7**, 500-2 or std. with a min. climb of 490' per NM to 900. **Rwy 25**, 1800-3 or std. with a min. climb of 230' per NM to 2200.

NOTE: **Rwy 7**, building, 3192' from departure end of runway, 204' left of centerline, 50' AGL/520' MSL.

**SALLISAW, OK****SALLISAW MUNI**

TAKE-OFF MINIMUMS: **Rwy 17**, 400-2 or std. with a min. climb of 210' per NM to 1000. **Rwy 35**, 700-2 or std. with a min. climb of 470' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 17**, climb runway heading to 1000 before turning. **Rwy 35**, climbing left turn to 1500 on heading 180° before proceeding on course.

**SAND SPRINGS, OK****WILLIAM R. POGUE MUNI**

DEPARTURE PROCEDURE: **Rwys 17, 35**, climb runway heading to 2200 before proceeding eastbound.

**SEMINOLE, OK****SEMINOLE MUNI**

NOTE: **Rwy 16**, powerline 419' from departure end of runway, 403' left of centerline, 46' AGL/1025' MSL.

**SILOAM SPRINGS, AR****SMITH FIELD**

NOTE: **Rwy 18**, light pole 1320' from departure end of runway, 358' right of centerline, 31' AGL/1209' MSL. Trees 795' from departure end of runway, 354' left of centerline, up to 25' AGL/1197' MSL. Trees 1272' from departure end of runway, 340' right of centerline, up to 34' AGL/1212' MSL. **Rwy 36**, power pole 1185' from departure end of runway, 567' right of centerline, 31' AGL/1223' MSL. Trees 528' from departure end of runway, 424' left of centerline, up to 54' AGL/1241' MSL. Trees 532' from departure end of runway, 354' right of centerline, up to 39' AGL/1232' MSL.

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## SPRINGDALE, AR

### SPRINGDALE MUNI

TAKE-OFF MINIMUMS: **Rwy 36**, 400-2 or std. with a min. climb of 260' per NM to 1900.

DEPARTURE PROCEDURE: **Rwys 18, 36**, climb runway heading to 1900 prior to turning on course or as directed by ATC.

NOTE: **Rwy 36**, 70' AGL/1422' MSL trees 4406' from departure end of runway, 522' right of centerline. 70' AGL/1409' MSL trees 2734' from departure end of runway, 325' right of centerline. 70' AGL/1403' MSL trees 2783' from departure end of runway, 42' right of centerline. 70' AGL/1418' MSL trees 3075' from departure end of runway, 329' right of centerline. 70' AGL/1389' MSL trees 1659' from departure end of runway, 326' right of centerline.

## STUTTGART, AR

### STUTTGART MUNI

NOTE: **Rwy 18**, tree 108' from departure end of runway, 286' right of centerline, 9' AGL/227' MSL. **Rwy 27**, tree 188' from departure end of runway, 152' left of centerline, 7' AGL/227' MSL.

## TAHLEQUAH, OK

### TAHLEQUAH MUNI (TQH)

#### AMDT 1 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 35**, 300-1½ or std. w/ min. climb of 345' per NM to 1200.

NOTE: **Rwy 17**, trees beginning 80' from departure end of runway, 16' right of centerline, up to 60' AGL/911' MSL. Trees and poles beginning 139' from departure end of runway, 337' left of centerline, up to 34' AGL/855' MSL. Light 1042' from departure end of runway, 403' left of centerline. 29' AGL/878' MSL. **Rwy 35**, poles and trees beginning 23' from departure end of runway, 42' left of centerline, up to 56' AGL/1075' MSL. Poles and trees beginning 1334' from departure end of runway, 29' right of centerline, up to 40' AGL/1058' MSL. Building 4492' from departure end of runway, 889' left centerline, 24' AGL/1024' MSL.

## TEXARKANA, AR

### TEXARKANA RGNL-WEBB FIELD (TXK)

#### AMDT 4 07354 (FAA)

NOTE: **Rwy 4**, multiple trees 881' from departure end of runway, 677' left of centerline, 60' AGL/419' MSL. Multiple trees 767' from departure end of runway, 621' right of centerline, 75' AGL/434' MSL. **Rwy 13**, multiple trees 21' from departure end of runway, 372' left of centerline, 75' AGL/424' MSL. Multiple trees 1819' from departure end of runway, 133' left of centerline, 99' AGL/438' MSL. Multiple trees beginning 237' from departure end of runway, 344' right of centerline, 98' AGL/457' MSL. **Rwy 22**, multiple trees beginning 122' from departure end of runway, 276' left of centerline, 47' AGL/406' MSL. Multiple trees beginning 132' from departure end of runway, 348' right of centerline, 71' AGL/400' MSL. **Rwy 31**, vehicle on road 346' from departure end of runway, on centerline, 15' AGL/391' MSL. Multiple trees 535' from departure end of runway, 124' left of centerline, 60' AGL/391' MSL. Multiple trees beginning 454' from departure end of runway, 349' right of centerline, 70' AGL/429' MSL. Multiple trees 1962' from departure end of runway, 195' left of centerline, 60' AGL/429' MSL.

## TINKER AFB (KTIK)

### OKLAHOMA CITY, OK

**Rwy 30**, climb on track 306° to 4000 prior to executing a right turn, left turns may be initiated at 1800. **Rwy 35**, intercept TIK R-354 climbing to 4000 prior to executing left turn.

## TULSA, OK

### RICHARD LLOYD JONES, JR.

TAKE-OFF MINIMUMS: **Rwys 1L/R**, 400-1½ or std. with a min. climb of 260' per NM to 1100. **Rwy 31**, 300-1½ or std. with a min. climb of 240' per NM to 1000.

DEPARTURE PROCEDURE: **Rwys 13, 31, 19L/R, 1L/R**, climb runway heading to 1400 before turning.

### TULSA INTL

TAKE-OFF MINIMUMS: **Rwy 18R**, 200-1 or std. with a min. climb of 210' per NM to 900.

DEPARTURE PROCEDURE: Comply with SID or as cleared.

## VANCE AFB (KEND)

### ENID, OK. . . . . 07354

TAKE-OFF OBSTACLES: **Rwy 17C**: 1321' (24' AGL) barrier (when raised) 154' into overrun on centerline. 1311' (14' AGL) T-1 Tail abeam departure end of the rwy, 340' right of centerline. **Rwy 17L**: 1301' (14' AGL) T-1 Tails 204' from departure end of rwy, 186' right of centerline and 1306' (14' AGL) 383' from departure end of rwy, 574' left of centerline and 1306' (14' AGL) T-1 Tails 859' from departure end of rwy 571' left of centerline. 1371' (70' AGL) trees 2479' from departure end of rwy, 1136' left of centerline and 1358' (70' AGL) trees 1620' from departure end of rwy, 944' left of centerline. **Rwy 17R**: 1336' (24' AGL) barrier (when raised) 152' into overrun on centerline. **Rwy 35C**: 1301' (24' AGL) barrier (when raised) 147' into overrun on centerline. **Rwy 35L**: 1303' (24' AGL) barrier (when raised) 149' into overrun on centerline. **Rwy 35R**: 1287' (10' AGL) vehicle on access road 144' from departure end of rwy, 292' left of centerline. 1291' (14' AGL) T-1 Tails 626' from departure end of rwy, 548' right of centerline and 1291' (14' AGL) T-1 Tails 211' from departure end of rwy, 574' right of centerline.

## WAGONER, OK

### HEFNER-EASLEY (H68)

#### ORIG 08045 (FAA)

NOTE: **Rwy 36**, Multiple trees beginning 167' from departure end of runway, 544' right of centerline, up to 100' AGL/709' MSL.

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**WATONGA, OK**

## WATONGA RGNL

TAKE-OFF MINIMUMS: **Rwy 17**, 400-2 or std. with a min. climb of 315' per NM to 2000.

NOTE: **Rwy 17**, vehicle on road 165' from departure end of runway, 471' left of centerline, 15' AGL/1554' MSL.

Elevator 5609' from departure end of runway, 614' left of centerline, 177' AGL/1694' MSL. **Rwy 35**, trees beginning 3318' from departure end of runway, 435' left of centerline, up to 100' AGL/1689' MSL. Vehicle on road 284' from departure end of runway, 471' right of centerline, 15' AGL/1584' MSL.

**WEATHERFORD, OK**

## THOMAS P. STAFFORD

DEPARTURE PROCEDURE: **Rwy 17**, climb via heading 188° to 2500 before proceeding on course.

NOTE: **Rwy 17**, truck on road 682' from departure end of runway, crossing centerline, 17' AGL/1636' MSL, multiple trees beginning 2605' from departure end of runway, 652' right of centerline, up to 100' AGL/1699' MSL. **Rwy 35**, tree 1421' from departure end of runway, 413' right of centerline, 40' AGL/1649' MSL.

**WEST MEMPHIS, AR**

## WEST MEMPHIS MUNI

TAKE-OFF MINIMUMS: **Rwy 17**, NOTE: 101' AGL trees 2155' from departure end of rwy, 196' right of centerline.

**WOODWARD, OK**

## WEST WOODWARD

DEPARTURE PROCEDURE: **Rwy 17**, climb heading 172° to 3100 before proceeding on course.

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