| WAAS | APP CRS | Rwy Idg | $\mathbf{4 8 0 2}$ |
| :---: | :---: | :--- | ---: |
| CH 69538 |  | 358 |  |
| W01A |  |  | Apt Elev |

GIBSON COUNTY (TGC)


| T | Night landing: Rwy 19 NA. DME/DME RNP-0.3 NA. Helicopter visibility <br> reduction below $3 / 4$ SM NA. Obtain local altimeter setting on CTAF; when <br> not received use McKellar-Sipes Rgnl <br> 60 feet, increase Circling Cat C visibility $1 / 4$ mile. | MISSED APPROACH: Climb to |
| :--- | :--- | :--- | :--- |
|  |  |  |


| MEMPHIS CENTER | UNICOM |
| :---: | :---: |
| 134.65316 .15 | 122.8 (CTAF) |



| WAAS | APP CRS | Rwy Idg | 4802 |
| :---: | :---: | :--- | ---: |
| CH 72938 | TDZE | 356 |  |
| W19A | $191^{\circ}$ | Apt Elev | $\mathbf{3 5 8}$ |



MISSED APPROACH: Climb to 2600 direct KUDCE and hold. Circling Cat $C$ visibility $1 / 4$ mile.

UNICOM
122.8 (CTAF)


# $v$ <br> TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS） 

INSTRUMENT APPROACH PROCEDURE CHARTS

# $\forall$ IFR TAKEOFF 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 takeoff minimums other than standard，are listed below． Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified．An entry may also be listed that contains only Takeoff Obstacle Notes．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 textually described below，or published separately as a graphic procedure．If the ODP is published as a graphic procedure，its name will be listed below，and it can be found in either this volume（civil），or the applicable military volume，as appropriate．Users will recognize graphic obstacle DPs by the term＂（OBSTACLE）＂included in the procedure title；e．g．，TETON TWO（OBSTACLE）．If not specifically assigned an ODP，SID，or RADAR vector as part of an IFR clearance，an ODP may be required to be flown for obstacle clearance，even though not specifically stated in the IFR clearance．When doing so in this manner，ATC should be informed when the ODP being used contains a specified route to be flown，restrictions before turning，and／or altitude restrictions．

Some ODPs，which are established solely for obstacle avoidance，require a climb in visual conditions to cross the airport，a fix，or a NAVAID in a specified direction，at or above a specified altitude．These procedures are called Visual Climb Over Airport（VCOA）． To ensure safe and efficient operations，the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance．

At some locations where an ODP has been established，a diverse vector area（DVA）may be created to allow RADAR vectors to be used in lieu of an ODP．DVA information will state that headings will be as assigned by ATC and climb gradients，when applicable，will be published immediately following the specified departure procedure．

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 takeoff rules and establishes takeoff minimums for certain operators as follows：（1）For aircraft，other than helicopters，having two engines or less－one statute mile visibility．（2）For aircraft having more than two engines－one－half statute mile visibility．（3）For helicopters－one－half statute mile visibility．These standard minima apply in the absence of any different minima listed below．

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

## ASHLAND，KY <br> ASHLAND RGNL（DWU） <br> TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES <br> AMDT 6 100CT19（19283）（FAA）

TAKEOFF MINIMUMS：
Rwy 10， $500-2^{3 / 4} / 4 / \mathrm{min}$ ．climb of 240 ＇per NM to 1200 or std．w／min．climb of $395^{\prime}$ per NM to 1100 or $1200-3$ for VCOA． DEPARTURE PROCEDURE：
Rwy 10，climb heading $103^{\circ}$ to 1500 before proceeding on course
Rwy 28，climb heading $283^{\circ}$ to 1300 before proceeding on course．
VCOA：
Rwy 10，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions to cross Ashland RGNL airport at or above 1600 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 10，vehicles on road 4＇from DER， 134 ＇right of centerline，552＇MSL．
Tree $169^{\prime}$ from DER， $215^{\prime}$ right of centerline， $58^{\prime}$ AGL／575＇MSL．
Trees beginning 233 ＇from DER， $65^{\prime}$ left of centerline，up to 41＇AGL／569＇MSL
Tree，building，vehicles on road beginning $366^{\prime}$ from DER， 450 ＇right of centerline，up to $70^{\prime}$ AGL／605＇MSL．
Trees，buildings，electrical system，transmission line，poles beginning 479＇from DER， $155^{\prime}$ right of centerline，up to $74^{\prime}$ AGL／608＇MSL．
Tree 870＇from DER， 95 ＇left of centerline，51＇AGL／573＇MSL．
Trees，poles，electrical systems，transmission lines beginning 925 ＇from DER， $44^{\prime}$＇right of centerline，up to $622^{\prime}$ MSL．
Trees beginning 1750 ＇from DER， $500^{\prime}$ right of centerline，up to $86^{\prime}$ AGL／628＇MSL．
Trees beginning $2568^{\prime}$ from DER， $991^{\prime}$＇left of centerline，up to $106^{\prime}$ AGL／635＇MSL．
Tree $3316^{\prime}$ from DER， $1345^{\prime}$ left of centerline，106＇AGL／647＇MSL．
Tree，electrical systems beginning 1.1 NM from DER， $1621^{\prime}$ left of centerline，up to $80^{\prime}$ AGL／867＇MSL
Tree，electrical system beginning 1．3 NM from DER，1370＇left of centerline，up to 73＇AGL／935＇MSL．
Tree，electrical system beginning 1．3 NM from DER，358＇left of centerline，up to 78＇AGL／954＇MSL．
Tower 2．3 NM from DER， $16^{\prime}$ right of centerline，121＇AGL／984＇MSL．
Antenna，trees beginning 2．3 NM from DER，19＇right of centerline，up to 150＇AGL／1011＇MSL．
Tower 2．3 NM from DER， $263^{\prime}$ right of centerline，199＇AGL／1024＇MSL．
Antenna 2．3 NM from DER， 263 ＇right of centerline，196＇AGL／1026＇MSL．
CON＇T

TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND $\nabla$ DIVERSE VECTOR AREA（RADAR VECTORS）

Rwy 28，trees beginning 80＇from DER，194＇left of centerline，up to 81＇AGL／606＇MSL．
Tree 387＇from DER， 134 ＇right of centerline， 37 ＇AGL／558＇MSL．
Trees beginning $954^{\prime}$ from DER， $215^{\prime}$＇left of centerline，up to $621^{\prime}$ MSL
Trees beginning 976 ＇from DER， $3^{\prime}$ left of centerline，up to $115^{\prime}$ AGL／633＇MSL．
Trees beginning $1224^{\prime}$ from DER， $24^{\prime}$ right of centerline，up to $585^{\prime}$ MSL．
Tree 1364 ＇from DER， $73^{\prime}$ right of centerline， $61^{\prime}$ AGL／588＇MSL
Trees beginning 1387＇from DER，26＇right of centerline，up to 69＇AGL／591＇MSL．
Trees beginning 1421＇from DER，69＇right of centerline，up to 69＇AGL／597＇MSL．
Trees beginning 1823＇from DER，18＇right of centerline，up to 69＇AGL／601＇MSL．
Tree 2192＇from DER， 24 ＇right of centerline， $82^{\prime}$ AGL／602＇MSL．

## ATHENS，TN

MCMINN COUNTY（MMI）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1A 25FEB21（21056）（FAA）
TAKEOFF MINIMUMS：
Rwy 2， $400-2^{3} / 4$ or std．w／min．climb of 400 ＇per NM to 1200 or 1800－3 for VCOA．
Rwy 20，300－1 $1 / 2$ or std．w／min．climb of 285 ＇per NM to 3900 or 1800－3 for VCOA． DEPARTURE PROCEDURE：
Rwy 2，climb on heading $022^{\circ}$ to 2200 before turning right．
Rwy 20，climb on heading $202^{\circ}$ to 1900 before turning left． VCOA：
All Rwys，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions to cross McMinn County airport at or above 2500 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 2，fence 40＇from DER， $262^{\prime}$ left of centerline，1＇AGL／882＇MSL．
Tree，building beginning $146^{\prime}$ from DER， $322^{\prime}$ left of centerline，up to 885 ＇MSL．
Fence 337 ＇from DER， 549 ＇right of centerline，14＇AGL／907＇MSL．
Fence 359 ＇from DER， 358 ＇left of centerline， $2^{\prime}$ AGL／887＇MSL．
Tree 420＇from DER， $506^{\prime}$ right of centerline， $980^{\prime}$ MSL．
Trees，fence beginning $502^{\prime}$ from DER， 485 ＇right of centerline，up to 997＇MSL．
Fence $515^{\prime}$ from DER， 396 ＇left of centerline， $5^{\prime}$ AGL／891＇MSL．
Trees，fence，building，terrain beginning $632^{\prime}$ from DER， $34^{\prime}$＇right of centerline，up to 1013 ＇MSL．
Tree 1351＇from DER，537＇left of centerline，952＇MSL．
Tree 1352＇from DER，599＇left of centerline，954＇MSL．
Tree 1437＇from DER， 600 ＇left of centerline， 958 ＇MSL．
Trees beginning 1464 ＇from DER， 42 ＇left of centerline，up to 990＇MSL．
Tree 3592＇from DER，1361＇left of centerline，1020＇MSL．
Tree 3794＇from DER，1419＇left of centerline， $1052^{\prime}$ MSL．
Trees beginning 3812＇from DER，1161＇left of centerline，up to 1064＇MSL． beginning 4156＇from DER，955＇right of centerline，up to 1017＇MSL．
Tree 4349＇from DER，1636＇right of centerline，1020＇MSL．
Trees beginning 4384＇from DER， $1329^{\prime}$ right of centerline，up to 1033＇MSL．
Trees beginning 4677＇from DER， 1063 ＇right of centerline，up to 1039＇MSL．
Trees，building beginning 4834＇from DER，1051＇left of centerline，up to 100＇AGL／1079＇MSL．
Trees beginning 4991＇from DER，1387＇right of centerline，up to 1048＇MSL．
Trees beginning 5015＇from DER，1051＇left of centerline，up to 1072＇MSL．
Trees，building beginning $5066^{\prime}$ from DER， $1092^{\prime}$ left of centerline，up to 1076＇MSL．
Trees beginning 5369＇from DER，1696＇left of centerline，up to 1079＇MSL．
Building 1 NM from DER， $1842^{\prime}$ right of centerline，1062＇MSL．
Tree 1.4 NM from DER， $2^{\prime 257}{ }^{\prime}$ left of centerline， $1097{ }^{\prime}$ MSL．
Trees beginning 1．5 NM from DER，2501＇left of centerline，up to 1114＇MSL．
Tree 1.5 NM from DER， $2867^{\prime}$ left of centerline， $1142^{\prime}$ MSL．
Trees beginning 1.5 NM from DER，2801＇left of centerline，up to $1187^{\prime}$ MSL．
Tree，building beginning 1.6 NM from DER， $2566^{\prime}$ left of centerline，up to $1225^{\prime}$ MSL．
Trees beginning 1.9 NM from DER，2151＇left of centerline，up to $1240^{\prime}$ MSL．
Trees beginning 2 NM from DER， $2130^{\prime}$ left of centerline，up to $1260^{\prime}$ MSL．
Trees beginning 2．1 NM from DER， $1745^{\prime}$ left of centerline，up to $1271^{\prime}$ MSL．
Tree 2．2 NM from DER，1882＇left of centerline，1246＇MSL．
Rwy 20，tree 2＇from DER，243＇right of centerline，861＇MSL．
Trees beginning $43^{\prime}$ from DER， $216^{\prime}$ right of centerline，up to $868^{\prime}$ MSL．
Trees beginning 283＇from DER，407＇left of centerline，up to 858 ＇MSL．
Tree $364^{\prime}$ from DER， 438 ＇left of centerline， $864^{\prime}$ MSL．
Trees beginning $912^{\prime}$ from DER， 549 ＇right of centerline，up to $872^{\prime}$ MSL．
TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）
BARDSTOWN，KY
SAMUELS FLD（BRY）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 29MAR18（21112）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 3，traverse way，fence beginning 3＇from DER， $250^{\prime}$ left of centerline，up to 674 ＇MSL．
Tree 332＇from DER，561＇left of centerline，66＇AGL／694＇MSL．
Trees beginning 332＇from DER，394＇left of centerline，up to 64＇AGL／695＇MSL．
Trees beginning 362＇from DER，364＇left of centerline，up to 63＇AGL／706＇MSL．
Trees beginning 385＇from DER，367＇left of centerline，up to 84＇AGL／709＇MSL．
Trees beginning 387＇from DER，372＇left of centerline，up to 86＇AGL／718＇MSL．
Tree 437＇from DER，574＇right of centerline，72＇AGL／702＇MSL．
Trees beginning 446＇from DER，319＇left of centerline，up to 86＇AGL／728＇MSL．
Trees beginning 470＇from DER，429＇right of centerline，up to 85 ＇AGL／711＇MSL．
Trees beginning 556＇from DER，417＇right of centerline，up to 84＇AGL／713＇MSL．
Trees beginning 569＇from DER，365＇right of centerline，up to 103＇AGL／720＇MSL．
Trees beginning 722＇from DER，417＇right of centerline，up to 94＇AGL／724＇MSL．
Trees beginning 749＇from DER，405＇right of centerline，up to 95＇AGL／729＇MSL．
Tree 2340＇from DER，372＇left of centerline，74＇AGL／733＇MSL．
Tree 2359＇from DER，319＇left of centerline，78＇AGL／737＇MSL．
Trees beginning 3127＇from DER，799＇left of centerline，up to 92＇AGL／752＇MSL．
Trees beginning 3373＇from DER，615＇left of centerline，up to 100＇AGL／758＇MSL．
Rwy 21，catenary 4＇from DER，422＇left of centerline，28＇AGL／650＇MSL．
Terrain 42＇from DER，228＇right of centerline，639＇MSL．
Fence 90＇from DER，247＇right of centerline，6＇AGL／642＇MSL．
Fence 107＇from DER，246＇right of centerline，8＇AGL／643＇MSL．
Catenary，transmission line，tree beginning 122＇from DER，214＇left of centerline，up to 35＇AGL／657＇MSL．
Trees beginning 338＇from DER，347＇right of centerline，up to 71＇AGL／689＇MSL．
Trees beginning 421＇from DER，67＇left of centerline，up to 61＇AGL／660＇MSL．
Trees beginning 463＇from DER，30＇right of centerline，up to 85＇AGL／695＇MSL．
Trees beginning 575＇from DER，127＇left of centerline，up to 78＇AGL／674＇MSL．
Trees beginning 1025＇from DER，4＇left of centerline，up to 73＇AGL／684＇MSL．
Tree，pole beginning 1355＇from DER，36＇left of centerline，up to 60＇AGL／688＇MSL．
Tree 1604＇from DER，87＇right of centerline，79＇AGL／698＇MSL．
Trees beginning 1621＇from DER，71＇right of centerline，up to 76＇AGL／700＇MSL．
Trees beginning 1651＇from DER，59＇right of centerline，up to 82＇AGL／712＇MSL．
Tree 1725＇from DER，391＇left of centerline，73＇AGL／700＇MSL．
Trees beginning 1805＇from DER，93＇left of centerline，up to 91＇AGL／715＇MSL．
Trees beginning 2555＇from DER，94＇left of centerline，up to 101＇AGL／734＇MSL．
Trees beginning 2742＇from DER，65＇right of centerline，up to 88＇AGL／722＇MSL．

## BOLIVAR，TN

WILLIAM L WHITEHURST FLD（M08）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES ORIG 01DEC77（21112）（FAA）

## TAKEOFF MINIMUMS：

Rwy 1，200－1．
Rwy 19，300－1．

## BOWLING GREEN，KY

BOWLING GREEN－WARREN COUNTY RGNL（BWG）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 18NOV10（10322）（FAA）
TAKEOFF MINIMUMS：
Rwy 3，300－2 or std．w／a min．climb of 238＇per NM to 900.
TAKEOFF OBSTACLE NOTES：
Rwy 3，rising terrain and trees beginning 130＇from DER，left and right of centerline，up to 100＇AGL／615＇MSL． Antenna and pole 1579＇from DER，354＇left of centerline，up to 35＇AGL／565＇MSL．
Towers beginning 1．3 NM from DER，1429＇left of centerline，up to 265＇AGL／765＇MSL．
Rwy 12，fence beginning 197＇from DER，left and right of centerline，up to 8＇AGL／541＇MSL．
Vehicle on road beginning 243＇from DER，left and right of centerline，up to $15^{\prime}$ AGL／548＇MSL．
Trees beginning 279＇from DER，132＇right of centerline，up to 60＇AGL／610＇MSL．
Tree 857＇from DER，327＇left of centerline，100＇AGL／649＇MSL．
Rwy 21，tree 113＇from DER，499＇left of centerline，70＇AGL／630＇MSL．
Tower 1202＇from DER，401＇left of centerline，47＇AGL／581＇MSL．
Tree 2510＇from DER，911＇right of centerline，100＇AGL／649＇MSL．
Obstruction light on tank 4690＇from DER，1637＇left of centerline，150＇AGL／691＇MSL．
Rwy 30，vehicle on road beginning 31＇from DER，209＇left of centerline，up to $15^{\prime}$ AGL／564＇MSL．
Pole 916＇from DER，407＇left of centerline，40＇AGL／584＇MSL．
Building 1135＇from DER，618＇left of centerline，33＇AGL／584＇MSL．
Tree 1689＇from DER，357＇right of centerline，100＇AGL／649＇MSL．
Tree $1853^{\prime}$ from DER， 271 ＇left of centerline，40＇AGL／582＇MSL．

24025

# TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS） 

BRISTOL／JOHNSON／KINGSPORT，TN
TRI－CITIES（TRI）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 7A 09NOV17（17313）（FAA）
DEPARTURE PROCEDURE：Use TRICITIES DEPARTURE．
CALVERT CITY，KY
KENTUCKY DAM STATE PARK（M34）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 30NOV23（23334）（FAA）
TAKEOFF MINIMUMS：
Rwy 10，600－2 ${ }^{3 / 4}$ or std w／min climb of $332^{\prime} / \mathrm{NM}$ to 1100.
Rwy 28， $300-1 \frac{1}{8}$ or std w／min climb of $241^{\prime} / \mathrm{NM}$ to 600 ．
DEPARTURE PROCEDURE：
Rwy 10，climb on heading $101^{\circ}$ to 1000 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 10，pole $123^{\prime}$ from DER， 527 ＇right of centerline， $377^{\prime}$ MSL．
Trees，catenary wires beginning 189 ＇from DER， 349 ＇right of centerline，up to 409＇MSL．
Trees beginning 211＇from DER，283＇right of centerline，up to 411＇MSL．
Trees beginning 281＇from DER， 377 ＇right of centerline，up to 430 ＇MSL．
Trees beginning 456＇from DER，212＇right of centerline，up to 446＇MSL．
Tree $468^{\prime}$ from DER， $30^{\prime}$ left of centerline， 26 ＇AGL／364＇MSL．
Trees，poles beginning $646^{\prime}$ from DER， $118^{\prime}$ left of centerline，up to 428 ＇MSL．
Trees beginning 765＇from DER，464＇right of centerline，up to 447＇MSL．
Tree 886＇from DER，539＇right of centerline，449＇MSL．
Trees beginning 915 ＇from DER， 29 ＇right of centerline，up to 452＇MSL．
Trees beginning 1483 ＇from DER， $542^{\prime}$ left of centerline，up to $444^{\prime}$ MSL．
Tree 1827 ＇from DER， 444 ＇left of centerline， 449 ＇MSL．
Trees beginning $1859^{\prime}$ from DER， $324^{\prime}$ left of centerline，up to $114^{\prime}$ AGL／451＇MSL．
Trees beginning $1900^{\prime}$ from DER， $253^{\prime}$ left of centerline，up to $454^{\prime}$ MSL．
Tree，pole beginning 2067＇from DER， $1^{\prime}$ left of centerline，up to 467＇MSL．
Trees beginning 2453＇from DER， $114^{\prime}$ right of centerline，up to 456＇MSL．
Trees beginning 2532＇from DER， $26^{\prime}$ right of centerline，up to $460^{\prime}$ MSL
Trees beginning 2558＇from DER， $122^{\prime}$ right of centerline，up to 465＇MSL．
Trees beginning 2630＇from DER，29＇right of centerline，up to 471＇MSL．
Trees beginning $2745^{\prime}$ from DER， $11^{\prime}$ right of centerline，up to 474＇MSL．
Antennas，towers beginning 2 NM from DER， 1831 ＇left of centerline，up to 401＇AGL／875＇MSL．
Rwy 28，trees，terrain beginning 64＇from DER， $346^{\prime}$ right of centerline，up to 400＇MSL．
Traverse way，terrain beginning 159＇from DER，494＇left of centerline，up to 357＇MSL．
Trees beginning 219＇from DER，393＇right of centerline，up to 402＇MSL．
Trees，poles beginning 446＇from DER，20＇right of centerline，up to 404＇MSL．
Trees beginning 1064 ＇from DER， $626^{\prime}$ left of centerline，up to $402^{\prime}$ MSL．
Trees beginning $1214^{\prime}$ from DER， $558^{\prime}$ left of centerline，up to $415^{\prime}$ MSL．
Trees beginning $1356^{\prime}$ from DER， $56^{\prime}$ left of centerline，up to $420^{\prime}$ MSL．
Trees，pole beginning 1824＇from DER， 14 ＇right of centerline，up to 405＇MSL．
Tree 2041＇from DER， 941 ＇right of centerline，415＇MSL．
Tree 2109 ＇from DER， 804 ＇right of centerline， $422^{\prime}$ MSL．
Trees，pole beginning $2172^{\prime}$ from DER， $645^{\prime}$ right of centerline，up to $436^{\prime}$ MSL．
Trees，transmission line beginning 2327＇from DER， $720^{\prime}$＇right of centerline，up to 101＇AGL／438＇MSL．
Trees beginning $2452^{\prime}$ from DER， $827^{\prime}$ right of centerline，up to 447 ＇MSL．
Trees beginning 3006＇from DER，699＇right of centerline，up to 453＇MSL．
Tree 3189 ＇from DER， $922^{\prime}$ left of centerline， $432^{\prime}$ MSL．
Tree 4771＇from DER，998＇left of centerline， 78 ＇AGL／471＇MSL．
Tree 5421＇from DER， 1537 ＇left of centerline， $512^{\prime}$ MSL．
Trees beginning 5496 ＇from DER， $1555^{\prime}$ left of centerline，up to $514^{\prime}$ MSL．
Tree，transmission line beginning 5647＇from DER， $1462^{\prime}$ left of centerline，up to $511^{\prime}$ MSL．

## CAMDEN，TN

BENTON COUNTY（OM4）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 27AUG09（09239）（FAA）
DEPARTURE PROCEDURE：
Rwy 4，climb heading $037^{\circ}$ to 900 before turning left．
TAKEOFF OBSTACLE NOTES：
Rwy 4，trees beginning 539＇from DER， $25^{\prime}$ right of centerline，up to 100＇AGL／534＇MSL．
Trees beginning 1067 ＇from DER， 57 ＇left of centerline，up to $100^{\prime}$ AGL／549＇MSL．
Utility poles beginning 951＇from DER， $325^{\prime}$ left of centerline，40＇AGL／501＇MSL．
Rwy 22，trees beginning 1158 ＇from DER，597＇left of centerline，up to 100＇AGL／619＇MSL．
Trees beginning 1753＇from DER，925＇right of centerline，up to $100^{\prime}$ AGL／549＇MSL．

TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND $\nabla$ DIVERSE VECTOR AREA (RADAR VECTORS)

Rwy 5, std. w/min. climb of 260' per NM to 2000 or $1000-2^{1 / 2}$ for VCOA. VCOA:
Rwy 5, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Taylor County
Airport at or above 1800 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 5, building, trees beginning 56 ' from DER, 398 ' left of centerline, up to 25 ' AGL/945' MSL.
Fence 208' from DER, 267 ' right of centerline, $9^{\prime}$ ' AGL/933' MSL.
Fence 724 ' from DER, 329 ' right of centerline, 6' AGL/939' MSL.
Transmission line, poles beginning $1467^{\prime}$ from DER, 877' $^{\prime}$ right of centerline, up to $26^{\prime}$ AGL/968' MSL.
Trees beginning $1856^{\prime}$ ' from DER, $168^{\prime}$ ' right of centerline, up to $81^{\prime}$ AGL/1002' MSL.
Poles, transmission line, trees beginning 1935' from DER, 668' left of centerline, up to 36' AGL/980' MSL.
Transmission line, poles, trees beginning $2133^{\prime}$ from DER, $258^{\prime}$ left of centerline, up to 39' AGL/981' MSL.
Trees beginning 2248' from DER, $464^{\prime}$ ' left of centerline, up to $83^{\prime}$ AGL/1005' MSL.
Trees beginning 3256 ' from DER, $856^{\prime}$ ' right of centerline, up to $91^{\prime}$ 'AGL/1031' MSL.
Tree 3956' from DER, 1143' left of centerline, 89' AGL/1025' MSL.
Rwy 23, vehicles on roadway beginning 3 ' from DER, $427^{\prime}$ ' left of centerline, up to 13' AGL/882' MSL.
Vehicles on roadway 4' from DER, 346 ' right of centerline, $16^{\prime}$ AGL/883' MSL.
Transmission line, poles beginning 81' from DER, 400' right of centerline, up to 29' AGL/894' MSL.
Tree 573 ' from DER, 591 ' left of centerline, 49' AGL/909' MSL.
Tree 669' from DER, $575^{\prime}$ left of centerline, 60 ' AGL/920' MSL.
Building 1094' from DER, $156^{\prime}$ right of centerline, 39' AGL/899' MSL.
Trees, elevator beginning 1145' from DER, $248^{\prime}$ ' right of centerline, up to $65^{\prime}$ AGL/926' MSL.
Tree 2732' from DER, 738' left of centerline, 69' AGL/949' MSL.
Tree 3722' from DER, 1197 ' left of centerline, 112' AGL/978' MSL.
Tree 4854' from DER, 1708' left of centerline, 100' AGL/999' MSL.

## CENTERVILLE, TN

CENTERVILLE MUNI (GHM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
TAKEOFF OBSTACLE NOTES:
Rwy 2, vehicle on road 8' from DER, 156' left of centerline, 17' AGL/770' MSL, up sloping ground 131' from DER, 383' left of centerline, up to 785 MSL.
Building 1375' from DER, $621^{\prime}$ right of centerline, $25^{\prime}$ AGL/815' MSL.
Building 440' from DER, $528^{\prime}$ left of centerline, $25^{\prime}$ AGL/810' MSL.
Trees beginning 47' from DER, $433^{\prime}$ right of centerline, up to 60' AGL/821' MSL.
Trees beginning 451' from DER, $346^{\prime}$ ' right of centerline, up to 76 ' AGL/839' MSL.
Trees beginning 716' from DER, $328^{\prime}$ right of centerline, up to 81' AGL/860' MSL.
Trees beginning 726' from DER, 540' right of centerline, up to 67' AGL/860' MSL.
Trees beginning $745^{\prime}$ from DER, $413^{\prime}$ left of centerline, up to $62^{\prime}$ AGL/862' MSL.
Trees beginning $1174^{\prime}$ from DER, $577^{\prime}$ right of centerline, up to $85^{\prime}$ AGL/875' MSL.
Trees beginning 1438' from DER, $844^{\prime}$ right of centerline, up to 87 ' AGL/887' MSL.
Trees beginning $1955^{\prime}$ from DER, $869^{\prime}$ ' right of centerline, up to $93^{\prime}$ AGL/893' MSL.
Trees beginning 861' from DER, left and right of centerline, up to $43^{\prime}$ AGL/856' MSL.
Power poles beginning 1390' from DER, 61' right of centerline, 28' AGL/808' MSL.
Rwy 20, power pole 37' from DER, 453' left of centerline, 35' AGL/793' MSL.
Trees beginning $103^{\prime}$ from DER, $508^{\prime}$ left of centerline, up to $54^{\prime}$ AGL/820' MSL. Vehicle on road $442^{\prime}$ from DER, $56^{\prime}$ right of centerline, $17^{\prime}$ AGL/777' MSL.
Vehicle on road 467' from DER, 127' left of centerline, 17' AGL/779' MSL.
Power pole 436' from DER, 286' left of centerline, $50^{\prime}$ 'AGL/811' MSL.
Trees beginning $398^{\prime}$ from DER, $402^{\prime}$ left of centerline, up to $73^{\prime}$ AGL/849' MSL.
Trees beginning 524' from DER, 522' right of centerline, up to 70' AGL/833' MSL.
Trees beginning 583' from DER, 321 ' right of centerline, up to $62^{\prime}$ AGL/827' MSL.
Trees beginning 608' from DER, 193' right of centerline, up to 57' AGL/818' MSL.
Trees beginning 678' from DER, 567' right of centerline, up to 76' AGL/840' MSL.
Tree beginning 694' from DER, 602' right of centerline, up to $86^{\prime}$ AGL/850' MSL.
Trees beginning 468' from DER, left and right of centerline, up to 44' AGL/839' MSL.
V TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）CHATTANOOGA，TNLOVELL FLD（CHA）TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURESAMDT 12 03JAN19（21168）（FAA）TAKEOFF MINIMUMS：
Rwy 15，300－21／4 or std．w／min．climb of 375＇per NM to 1100.
Rwy 33，500－3 or std．w／min．climb of 330＇per NM to 1300. DEPARTURE PROCEDURE：
Rwy 2，climb heading $022^{\circ}$ to 2400 before turning．
Rwy 15，climb heading $150^{\circ}$ to 1400 before turning
Rwy 20，climb heading $202^{\circ}$ to 2200 before turning．
Rwy 33，climbing right turn heading $020^{\circ}$ to 2600 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 2，vegetation 279＇from DER， $555^{\prime}$ left of centerline， $676^{\prime}$ MSL．
Vehicles on road 812＇from DER，644＇right of centerline，695＇MSL．
Tree 869＇from DER，600＇left of centerline， $720^{\prime}$ MSL．
Tree 918 ＇from DER， $623^{\prime}$ right of centerline， $718^{\prime}$ MSL．
Trees beginning $938^{\prime}$ from DER， $503^{\prime}$ right of centerline，up to $733^{\prime}$ MSL．
Trees beginning $968^{\prime}$ from DER， $646^{\prime}$ left of centerline，up to 731 ＇MSL．
Trees beginning 1075＇from DER， $520^{\prime}$ left of centerline，up to $94^{\prime}$ AGL／748＇MSL
Tree 2045＇from DER， $915^{\prime}$ right of centerline， $742^{\prime}$ MSL．
Trees beginning 2054＇from DER， $203^{\prime}$ right of centerline，up to $748^{\prime}$ MSL．
Rwy 15，pole and tank beginning 61＇from DER，410＇right of centerline，up to 32＇AGL／705＇MSL．
Tank $164^{\prime}$ from DER， $489^{\prime}$ left of centerline，687＇MSL．
Poles beginning $241^{\prime}$ from DER， $287^{\prime}$ right of centerline，up to $713^{\prime}$ MSL．
Tree and vehicles on road beginning 351 ＇from DER， 181 ＇right of centerline，up to 733 ＇MSL．
Pole and vehicles on road beginning $376^{\prime}$ from DER， 5 ＇left of centerline，up to 690＇MSL
Terrain，vehicles on road，and trees beginning 424＇from DER，40＇right of centerline，up to 764＇MSL．
Tree and vehicles on road beginning $578^{\prime}$ from DER， $43^{\prime}$ left of centerline，up to $717^{\prime}$ MSL．
Pole and trees beginning $630^{\prime}$ from DER， $68^{\prime}$＇left of centerline，up to $739^{\prime}$ MSL．
Tree 745＇from DER，618＇right of centerline，771＇MSL．
Transmission line，vehicles on road，poles，and trees beginning 826＇from DER， $14^{\prime}$ right of centerline，up to $774^{\prime}$ MSL．
Trees beginning $1052^{\prime}$ from DER，401＇left of centerline，up to $755^{\prime}$ MSL．
Pole and trees beginning 1164 ＇from DER， $211^{\prime}$ left of centerline，up to 758 ＇MSL
Pole and trees beginning $1256^{\prime}$ from DER， $33^{\prime}$ left of centerline，up to $764^{\prime}$ MSL．
Trees beginning $1542^{\prime}$ from DER，7＇left of centerline，up to 91 ＇AGL／765＇MSL．
Trees beginning 1905＇from DER， $102^{\prime}$ left of centerline，up to $766^{\prime}$ MSL．
Signs，poles，and trees beginning 2634＇from DER，2＇left of centerline，up to 770＇MSL．
Pole 3005＇from DER，899＇right of centerline，798＇MSL．
Pole and trees beginning 3009＇from DER， $12^{\prime}$ right of centerline，up to 130＇AGL／809＇MSL．
Trees beginning 3179＇from DER， $836^{\prime}$ left of centerline，up to $772^{\prime}$ MSL．
Tree 3439＇from DER，1408＇left of centerline，781＇MSL．
Trees beginning $3485^{\prime}$ from DER， $908^{\prime}$ left of centerline，up to $786^{\prime}$ MSL．
Trees beginning 3572＇from DER， $770^{\prime}$ left of centerline，up to 790＇MSL．
Tree $3764^{\prime}$ from DER， 1357 ＇left of centerline，797＇MSL．
CHATTANOOGA，TN
LOVELL FLD（CHA）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 12 03JAN19（21168）（FAA）
Trees beginning $3768^{\prime}$ from DER， $172^{\prime}$ left of centerline，up to $810^{\prime}$ MSL．
Trees beginning 3997 ＇from DER， 37 ＇left of centerline，up to $815^{\prime}$ MSL．
Trees beginning 4268 ＇from DER， 1446 ＇left of centerline，up to 832 ＇MSL．
Trees beginning 4393＇from DER， $213^{\prime}$ left of centerline，up to $864^{\prime}$ MSL．
Trees beginning 4494＇from DER， $1190^{\prime}$ left of centerline，up to $8655^{\prime}$ MSL．
Trees beginning $4544^{\prime}$ from DER， $371^{\prime}$ left of centerline，up to $876^{\prime}$ MSL
Trees beginning 4633＇from DER，790＇left of centerline，up to 891＇MSL．
Trees beginning $4753^{\prime}$ from DER， 1165 ＇left of centerline，up to $892^{\prime}$ MSL．
Trees beginning 4798＇from DER， 445 ＇left of centerline，up to $899^{\prime}$ MSL．
Vehicles on road，poles，buildings，and trees beginning 4912＇from DER， $124^{\prime}$ left of centerline，up to 904 ＇MSL
Tree 5276＇from DER， 207 ＇right of centerline，77＇AGL／810＇MSL
Tree 5301＇from DER， 185 ＇right of centerline，84＇AGL／820＇MSL．
Trees beginning 5338＇from DER， 63 ＇right of centerline，up to 82 ＇AGL／826＇MSL．
Pole，vehicles on road，buildings，and trees beginning $5455^{\prime}$ from DER， $181^{\prime}$ left of centerline，up to $925^{\prime}$ MSL．
Building 1．0 NM from DER， $25^{\prime}$ right of centerline， 831 ＇MSL．
Poles and trees beginning 1．0 NM from DER，4＇left of centerline，up to 86‘ AGL／946＇MSL．
Trees beginning 1．0 NM from DER，410＇right of centerline，up to 845＇MSL．
Trees beginning 1．0 NM from DER，487＇right of centerline，up to 847＇MSL．
Trees beginning 1.0 NM from DER， $315^{\prime}$＇right of centerline，up to $864^{\prime}$ MSL．
Trees beginning 1．0 NM from DER， $113^{\prime}$ right of centerline，up to $865^{\prime}$ MSL．
Trees beginning 1．0 NM from DER， $315^{\prime}$ right of centerline，up to $866^{\prime}$ MSL．
Trees and poles beginning 1．0 NM from DER，37＇right of centerline，up to 869＇MSL．
Trees beginning 1．1 NM from DER， 340 ＇right of centerline，up to 877 ＇MSL．
Tree 1．1 NM from DER，231＇right of centerline，892＇MSL．
Tree 1．1 NM from DER， $644^{\prime}$ right of centerline， 900 ＇MSL．
Tree 1．1 NM from DER，440＇right of centerline，906＇MSL．
Trees beginning 1．1 NM from DER， $545^{\prime}$ right of centerline，up to $921^{\prime}$ MSL．
Pole and trees beginning 1．1 NM from DER， 83 ＇right of centerline，up to $936^{\prime}$ MSL．
Trees，buildings，towers，and antennas beginning 1．1 NM from DER， $14^{\prime}$ right of centerline，up to $88^{\prime}$ AGL／940＇MSL．
Tree 1.8 NM from DER， $1924^{\prime}$ left of centerline， $73^{\prime}$ AGL／957＇MSL．
CON＇T

CHATTANOOGA, TN (CON'T)
LOVELL FLD (CHA) (CON'T)
Rwy 20, lighting 9' from DER, 55 ' left of centerline, 2' AGL/682' MSL.
Tree 611' from DER, 585' left of centerline, 735' MSL.
Trees beginning $816^{\prime}$ from DER, 698 ' right of centerline, up to $719^{\prime}$ MSL.
Trees beginning $1062^{\prime}$ from DER, $688^{\prime}$ right of centerline, up to $736^{\prime}$ MSL. Tree 2714' from DER, 1047' right of centerline, $758^{\prime}$ MSL.
Trees beginning 2724' from DER, 1156' right of centerline, up to 763' MSL.
Trees beginning 2905' from DER, 791 ' right of centerline, up to 771' MSL.
Trees beginning 3618' from DER, $938^{\prime}$ ' right of centerline, up to 118' AGL/786' MSL.
Rwy 33, tree, vehicles on road, and trees beginning 15' from DER, $20^{\prime}$ left of centerline, up to 68' AGL/738' MSL.
Terrain 67 ' from DER, 377 ' right of centerline, 677 ' MSL.
Terrain and tree beginning 151 ' from DER, 324 ' right of centerline, up to $725^{\prime}$ MSL
Trees beginning $263^{\prime}$ from DER, $431^{\prime}$ right of centerline, up to $727^{\prime}$ MSL.
Trees beginning 411' from DER, 9' right of centerline, up to 751' MSL.
Pole and trees beginning 1682 ' from DER, $25^{\prime}$ left of centerline, up to 87 ' AGL/746' MSL.
Trees beginning 1928' from DER, 57 ' left of centerline, up to 101' AGL/749' MSL.
Trees beginning 2014' from DER, $18^{\prime}$ left of centerline, up to 93' AGL/750' MSL.
Trees beginning 2130' from DER, $195^{\prime}$ left of centerline, up to $106^{\prime}$ AGL/755' MSL.
Trees beginning $2136^{\prime}$ from DER, $54^{\prime}$ left of centerline, up to $108^{\prime}$ AGL/759' MSL
Trees beginning 2256' from DER, 261 ' right of centerline, up to $760^{\prime}$ MSL.
Tree 2295' from DER, $588^{\prime}$ right of centerline, $766^{\prime}$ MSL.
Tree 2327 ' from DER, 464 ' right of centerline, 768 ' MSL.
Trees beginning 2364' from DER, $219^{\prime}$ right of centerline, up to $92^{\prime}$ AGL/777' MSL.
Tree 2403' from DER, $622^{\prime}$ right of centerline, $782^{\prime}$ MSL.
Tree 2411' from DER, 389 ' right of centerline, 784' MSL.
Tower, poles, and trees beginning 2414' from DER, $8^{\prime}$ ' right of centerline, up to 790' MSL.
Tree 2999' from DER, 127' left of centerline, 62' AGL/763' MSL.
Trees beginning 3153' from DER, $1229^{\prime}$ left of centerline, up to $769^{\prime}$ MSL.
Trees beginning 3254' from DER, 62' left of centerline, up to 90' AGL/781' MSL.
Trees beginning $3548^{\prime}$ from DER, $7^{\prime}$ right of centerline, up to $85^{\prime}$ AGL/796' MSL.
Trees beginning $3699^{\prime}$ from DER, $30^{\prime}$ left of centerline, up to 100 ' AGL/795' MSL
Electrical system and trees beginning 3996' from DER, $8^{\prime}$ left of centerline, up to 119' AGL/817' MSL.
Trees beginning 4842' from DER, $51^{\prime}$ right of centerline, up to $826^{\prime}$ MSL.
Electrical system and trees beginning 5227' from DER, $3^{\prime}$ ' right of centerline, up to $86^{\prime}$ AGL/838' MSL.
Transmission line 5583' from DER, $15^{\prime}$ left of centerline, $90^{\prime}$ AGL/823' MSL.
Trees beginning $5626^{\prime}$ from DER, $31^{\prime}$ ' left of centerline, up to $836^{\prime}$ MSL.
Trees beginning 5707' from DER, $153^{\prime}$ left of centerline, up to $840^{\prime}$ MSL.
Trees beginning 5902' from DER, $1339^{\prime}$ left of centerline, up to 857 ' MSL.
Trees beginning 1.0 NM from DER, 2' left of centerline, up to 858 ' MSL.
Tree 1.1 NM from DER, 292' right of centerline, 846' MSL.
Trees beginning 1.1 NM from DER, $45^{\prime}$ right of centerline, up to $862^{\prime}$ MSL.
Trees beginning 1.1 NM from DER, $86^{\prime}$ right of centerline, up to $888^{\prime}$ MSL.
Trees beginning 1.1 NM from DER, $6^{\prime}$ right of centerline, up to 914 ' MSL.
Trees beginning 1.2 NM from DER, 81 ' left of centerline, up to $875^{\prime}$ MSL.
Trees beginning 1.2 NM from DER, $65^{\prime}$ left of centerline, up to $876^{\prime}$ MSL.
Tree 1.2 NM from DER, $915^{\prime}$ right of centerline, 918 ' MSL.
Trees beginning 1.2 NM from DER, 407' right of centerline, up to 920' MSL.
Tree 1.2 NM from DER, 1149 ' right of centerline, 923' MSL.
Trees beginning 1.2 NM from DER, $284^{\prime}$ right of centerline, up to 926 ' MSL.
Trees beginning 1.2 NM from DER, $812^{\prime}$ right of centerline, up to 929' MSL.
Tree 1.2 NM from DER, $1412^{\prime}$ right of centerline, 931' MSL.
Trees beginning 1.2 NM from DER, 480' right of centerline, up to $932^{\prime}$ MSL.
Trees beginning 1.2 NM from DER, $1292^{\prime}$ 'right of centerline, up to $936^{\prime}$ MSL.
Pole and trees beginning 1.2 NM from DER, 659' right of centerline, up to 90' AGL/990' MSL.
Trees beginning 1.7 NM from DER, $1629^{\prime}$ left of centerline, up to $974^{\prime}$ MSL.
Trees beginning 1.9 NM from DER, 2446 ' left of centerline, up to 1002 ' MSL.
Tree 1.9 NM from DER, $3461^{\prime}$ left of centerline, $1022^{\prime}$ MSL.
Pole and trees beginning 2.0 NM from DER, $241^{\prime}$ left of centerline, up to 92' AGL/1099' MSL.
Tree 2.3 NM from DER, $60^{\prime}$ right of centerline, 84' AGL/1033' MSL
Tree 2.5 NM from DER, $1570^{\prime}$ left of centerline, $105^{\prime}$ AGL/1126' MSL.
Tree 2.5 NM from DER, $1088^{\prime}$ left of centerline, $1085{ }^{\prime}$ MSL.
V TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
Road 162' from DER, 7' right of centerline, up to 15' AGL/551' MSL.
Cross on church 752' from DER, 237' left of centerline, 52' AGL/587' MSL.
Rwy 35, multiple trees, poles, and buildings beginning 929' from DER, $249^{\prime}$ left of centerline, up to 75' AGL/645' MSL.
Multiple trees, poles and transmission towers beginning 959' from DER, 147' right of centerline, up to 100' AGL/695' MSL.

## CLEVELAND, TN

CLEVELAND RGNL JETPORT (RZR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 08NOV18 (18312) (FAA)
TAKEOFF MINIMUMS:
Rwy 21, 300-13/4 or std. w/min. climb of 260' per NM to 1200.
DEPARTURE PROCEDURE:
Rwy 3, climb heading $034^{\circ}$ to 2200 before turning right.
Rwy 21, climb heading $214^{\circ}$ to 2400 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 21, tree 3009' from DER, 676' left of centerline, 920' MSL.
Tree 1.1 NM from DER, 2087' left of centerline, 1011' MSL.
Tree 1.1 NM from DER, 2321' left of centerline, 1021' MSL.
Tower 1.1 NM from DER, 65' left of centerline, 196' AGL/1054' MSL.
Tower 1.4 NM from DER, 880' right of centerline, 225' AGL/1075' MSL.
COLUMBIA-MT. PLEASANT, TN
MAURY COUNTY RGNL (MRC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 21JUN18 (21224) (FAA)
TAKEOFF MINIMUMS:
Rwys 17, 35, NA-Environmental.
Rwy 6, 300-1 $1 / 2$ or std. w/min. climb of 301 ' per NM to 1100.
Rwy 24, 400-21/4 or std. w/min. climb of 278' per NM to 1200.
DEPARTURE PROCEDURE:
Rwy 24, climb heading $235^{\circ}$ to 1200 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 6, trees beginning 1177' from DER, 591' left of centerline, up to 92' AGL/751' MSL.
Trees beginning 1123' from DER, 732' right of centerline, up to 96' AGL/745' MSL.
Poles 24 ' from DER, 356' left of centerline, 42' AGL/691' MSL.
Trees beginning 2716' from DER, 921' left of centerline, up to 88' AGL/757' MSL.
Rwy 24, trees beginning 1819' from DER, 190' right of centerline, up to 124' AGL/739' MSL.
Trees beginning 1239' from DER, 700' left of centerline, up to 104' AGL/718' MSL.
Trees beginning 1299' from DER, 217' left of centerline, up to 96' AGL/712' MSL.
Pole 21 ' from DER, 487 ' right of centerline, $23^{\prime}$ AGL/677' MSL.
Trees beginning 1725' from DER, 10' left of centerline, up to 106' AGL/719' MSL.
Trees beginning 2607' from DER, 324 ' left of centerline, up to 107' AGL/735' MSL.

## COVINGTON，KY

CINCINNATI／NORTHERN KENTUCKY INTL（CVG）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 08APR10（10098）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 9，trees beginning 4562＇from DER，900＇left of centerline，up to 94＇AGL／1003＇MSL．
Trees 3385＇from DER，1117＇right of centerline，up to 59＇AGL／988＇MSL
Rwy 18C，trees beginning 1882＇from DER，834＇left of centerline，up to 75＇AGL／974＇MSL．
Trees 3473＇from DER，904＇right of centerline，up to 70＇AGL／929＇MSL．
Rwy 18R，trees beginning 3221＇from DER，895＇left of centerline，up to 85＇AGL／964＇MSL
Rwy 36C，trees beginning $956^{\prime}$ from DER，613＇right of centerline，up to 94＇AGL／963＇MSL．
Rwy 36R，light pole 1476＇from DER，813＇left of centerline，47＇AGL／926＇MSL．
Trees 1602＇from DER，754＇right of centerline，up to 59＇AGL／938＇MSL．

## COVINGTON，TN

COVINGTON MUNI（M04）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG－A 03APR14（14093）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 1，vehicle on road 513＇from DER， 13 ＇right of centerline，up to 15＇AGL／294＇MSL．
Rwy 19，fence beginning 150＇from DER，248＇right of centerline，up to 2＇AGL／284＇MSL
Trees beginning 500＇from DER，60＇left of centerline，up to 55＇AGL／356＇MSL．
Building and trees beginning 1793＇from DER，304＇right of centerline，up to 60＇AGL／372＇MSL．

24025
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)

## CROSSVILLE, TN

CROSSVILLE MEML-WHITSON FLD (CSV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 04SEP03 (21112) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 8, trees 31' from DER, 499' left of centerline, 60' AGL/1905' MSL.
Trees 572 ' from DER, 499' left of centerline, $75^{\prime}$ AGL/1889' MSL.
Trees $8^{\prime}$ from DER, $438^{\prime}$ right of centerline, $30^{\prime}$ AGL/1873' MSL.
Bush 76' from DER, 213 ' right of centerline, 8' AGL/1872' MSL.
Rwy 26, tree 43' from DER, 468' left of centerline, 26' AGL/1910' MSL.
Numerous trees 94 to $576^{\prime}$ from DER, 355 to $583^{\prime}$ right of centerline, 40 to 70 ' AGL/1901 to 1927' MSL.
Pole 141' from DER, 474' right of centerline, 50' AGL/1914' MSL.
Tree 1083' from DER, 363' right of centerline, 74' AGL/1922' MSL.
Tree 343 ' from DER, $538^{\prime}$ left of centerline, 68' AGL/1939' MSL.

## CYNTHIANA, KY

CYNTHIANA-HARRISON COUNTY (018)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13NOV14 (14317) (FAA)
TAKEOFF MINIMUMS:
Rwy 11, 300-1 $1 / 2$ or std. w/ min. climb of 510' per NM to 1000.
Rwy 29, 300-1 $1 / 4$ or std. w/ min. climb of 240 ' per NM to 1000.
TAKEOFF OBSTACLE NOTES:
Rwy 11, multiple trees beginning $25^{\prime}$ from DER, $56^{\prime}$ left of centerline, up to 108' AGL/819' MSL.
Fence $942^{\prime}$ from DER, $643^{\prime}$ left of centerline, $17^{\prime}$ AGL/767' MSL.
Multiple trees beginning 1067' from DER, along and right of course, up to 125' AGL/908' MSL.
Multiple trees beginning 1090' from DER, along and left of course, up to $114^{\prime}$ AGL/900' MSL.
Terrain beginning 1201' from DER, $1^{\prime}$ ' left of centerline, up to 837 ' MSL.
Multiple poles beginning $1265^{\prime}$ from DER, $4^{\prime}$ ' left of centerline, up to 67' AGL/879' MSL.
Multiple buildings beginning 1642' from DER, 3' left of centerline, up to 19' AGL/832' MSL.
Terrain beginning 1881 ' from DER, $4^{\prime}$ right of centerline. up to $859^{\prime}$ MSL.
Multiple fences beginning 1907 ' from DER, $26^{\prime}$ ' left of centerline, up to $15^{\prime}$ AGL/838' MSL.
Multiple fences beginning $2266^{\prime}$ from DER, $22^{\prime}$ right of centerline, up to $13^{\prime}$ AGL/855' MSL.
Multiple buildings beginning 2274' from DER, $7^{\prime}$ right of centerline, up to $33^{\prime}$ AGL/872' MSL.
Multiple poles beginning 2331' from DER, 39 ' right of centerline, up to 70 ' AGL/897' MSL.
Vehicles on road beginning $2356^{\prime}$ from DER, left and right of centerline, up to 15' AGL/833' MSL.
Antenna 2879' from DER, 753 ' right of centerline, 36 ' AGL/856' MSL.
Rwy 29, runway end lights 11 ' from DER, 113 ' right of centerline, 3' AGL/722' MSL.
Multiple trees beginning 37 ' from DER, $18^{\prime}$ right of centerline, up to $85^{\prime}$ AGL/856' MSL.
Bushes beginning 82 ' from DER, 201' left of centerline, up to 11' AGL/728' MSL.
Multiple buildings beginning $217^{\prime}$ from DER, $272^{\prime}$ right of centerline, up to $23^{\prime}$ AGL/757' MSL.
Railroad beginning 412' from DER, crossing left and right of centerline, up to 23' AGL/780' MSL.
Multiple trees beginning 440' from DER, $12^{\prime}$ left of centerline, up to 111' AGL/894' MSL.
Multiple poles beginning $968^{\prime}$ from DER, $153^{\prime}$ left of centerline, up to 35 ' AGL/755' MSL.
Flag pole 1409' from DER, 798' right of centerline, 51' AGL/781' MSL.
Multiple poles beginning 1453 ' from DER, $73^{\prime}$ right of centerline, up to 50 ' AGL/771' MSL. Multiple buildings beginning $4754^{\prime}$ from DER, $342^{\prime}$ left of centerline, up to $51^{\prime}$ AGL/851' MSL.

## DANVILLE, KY

STUART POWELL FLD (DVK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 29DEC22 (22363) (FAA)
TAKEOFF MINIMUMS:
Rwys 1, 19, NA-Obstacles.
Rwy 31, $500-2^{3} / 4$ or std. w/min. climb of 290' per NM to 1600.
DEPARTURE PROCEDURE:
Rwy 31, climb on heading $305^{\circ}$ to 1700 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 13, trees beginning 1938' from DER, 604' left of centerline, up to 1100' MSL.
Rwy 31, tree 7' from DER, 376' left of centerline, 1073' MSL.
Tree, building beginning 185 ' from DER, $279^{\prime}$ ' left of centerline, up to $1080^{\prime}$ MSL.
NAVAID 459' from DER, 250 ' right of centerline, 17' AGL/1032' MSL.
Trees beginning 1543 ' from DER, 508 ' right of centerline, up to 1077' MSL.
Tree 2105' from DER, 115' right of centerline, 1081' MSL.
Tree 2.1 NM from DER, 2266' left of centerline, 1401' MSL.
Tree 2.1 NM from DER, 3345 ' left of centerline, 1399 MSL.

Rwy 3，300－11／4 or std．w／min．climb of 205＇per NM to 1000，or alternatively，with std．takeoff minimums and a normal 200＇ per NM climb gradient，takeoff must occur no later than 1200＇prior to DER． DEPARTURE PROCEDURE：
Rwy 3，climb heading $033^{\circ}$ to 2100 before turning left．
Rwy 21，climb heading $213^{\circ}$ to 1500 before turning right．
TAKEOFF OBSTACLE NOTES：
Rwy 3，vehicles on roadway beginning 106＇from DER，left and right of centerline，up to 15＇AGL／736＇MSL．
Fence 85 ＇from DER，498＇right of centerline，15＇AGL／726＇MSL．
Bushes and trees beginning $117^{\prime}$ from DER，left and right of centerline，up to 100＇AGL／878＇MSL．
Rwy 21，rising terrain and trees beginning 9 ＇from DER，left and right of centerline，up to 100＇AGL／821＇MSL．
DICKSON，TN
DICKSON MUNI（M02）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 3 17JUN21（21168）（FAA）
TAKEOFF MINIMUMS：
Rwy 17，400－17／8 or std．w／min．climb of 370 ＇per NM to 1400.
TAKEOFF OBSTACLE NOTES：
Rwy 17，electrical system beginning 22＇from DER，401＇left of centerline，up to 74＇AGL／901＇MSL．
Trees beginning $166^{\prime}$＇from DER， $152^{\prime}$＇right of centerline，up to $71^{\prime}$ AGL／913＇MSL．
Electrical system，vehicle on road beginning 469＇from DER，325＇left of centerline，up to 34＇AGL／906＇MSL．
Tree 533＇from DER， $324^{\prime}$ left of centerline， $44^{\prime}$ AGL／924＇MSL．
Tree，building beginning $592^{\prime}$ from DER， $395^{\prime}$ left of centerline，up to $66^{\prime}$ AGL／943＇MSL．
Tree，electrical system，fence，vehicle on road beginning 718＇from DER，4＇left of centerline，up to 79＇AGL／957＇MSL．
Tree，electrical system，building beginning 1079＇from DER，19＇right of centerline，up to 41＇AGL／919＇MSL
Tree，electrical system，building beginning 1175 ＇from DER， 5 ＇right of centerline，up to 68＇AGL／957＇MSL．
Tree，electrical system beginning 1298＇from DER， $30^{\prime}$ right of centerline，up to 73＇AGL／967＇MSL．
Tree，building，electrical system beginning 1377＇from DER， 56 ＇right of centerline，up to $72^{\prime}$ AGL／968＇MSL．
Trees beginning $1710^{\prime}$ from DER， $293^{\prime}$ left of centerline，up to $86^{\prime}$ AGL／968＇MSL
Trees beginning 1815＇from DER， $90^{\prime}$ left of centerline，up to $90^{\prime}$ AGL／969＇MSL．
Trees beginning 1863＇from DER，22＇left of centerline，up to 96＇AGL／970＇MSL．
Trees beginning 2529＇from DER， $349^{\prime}$ right of centerline，up to 105＇AGL／984＇MSL．
Trees beginning 2974＇from DER， $217^{\prime}$＇right of centerline，up to $84^{\prime}$ AGL／989＇MSL．
Trees beginning 3068＇from DER， 81 ＇right of centerline，up to $92^{\prime}$ AGL／994＇MSL．
Trees beginning $3106^{\prime}$ from DER， 34 ＇left of centerline，up to 85 ＇AGL／983＇MSL．
Trees beginning $3150^{\prime}$ from DER， $3^{\prime}$ right of centerline，up to $86^{\prime}$ AGL／1002＇MSL．
Trees beginning $3188^{\prime}$ from DER， 21 ＇left of centerline，up to 92 ＇AGL／988＇MSL．
Tree 3856＇from DER，9＇left of centerline，92＇AGL／992＇MSL．
Trees beginning $3888^{\prime}$ from DER， $139^{\prime}$ left of centerline，up to $92^{\prime}$ AGL／997＇MSL．
Trees beginning 4053＇from DER，162＇right of centerline，up to 104＇AGL／1008＇MSL
Trees beginning 4069＇from DER，290＇left of centerline，up to $89^{\prime}$ AGL／1010＇MSL．
Tree，electrical system beginning 4086＇from DER， $45^{\prime}$＇left of centerline，up to $977^{\prime}$ AGL／1021＇MSL．
Tree，electrical system beginning 4208＇from DER， $24^{\prime}$＇right of centerline，up to $98^{\prime}$ AGL／1016＇MSL．
Tree，electrical＿system beginning 4562＇from DER，140＇left of centerline，up to 80＇AGL／1026＇MSL．
Trees beginning 4578＇from DER， 39 ＇right of centerline，up to 79＇AGL／1018＇MSL．
Tree，electrical system beginning 4634＇from DER， $273^{\prime}$ left of centerline，up to 78＇AGL／1028＇MSL．
Trees beginning $4742^{\prime}$ from DER， $8^{\prime}$＇left of centerline，up to $78^{\prime}$ AGL／1032＇MSL．
Trees beginning 4918＇from DER， $12^{\prime}$ right of centerline，up to 65＇AGL／1023＇MSL．
Tank，tree beginning $5055^{\prime}$＇from DER， $39^{\prime}$ right of centerline，up to $95^{\prime}$ AGL／1057＇MSL．
Tank 1．3 NM from DER，1975＇right of centerline，199＇AGL／1137＇MSL．
Antenna 1．3 NM from DER，1994＇right of centerline，205＇AGL／1147＇MSL．
Tower，antenna beginning 1．3 NM from DER，2326＇right of centerline，up to 318＇AGL／1256＇MSL．
Tower 1．5 NM from DER，2028＇left of centerline，300＇AGL／1189＇MSL．
Antenna 1.5 NM from DER，2037＇left of centerline，290＇AGL／1176＇MSL．
Rwy 35，fence 30＇from DER，395＇left of centerline，7＇AGL／901＇MSL．
Tree，vehicle of road beginning 87 ＇from DER，139＇left of centerline，up to 59＇AGL／951＇MSL．
Tree 503＇from DER，331＇right of centerline，75＇AGL／913＇MSL．
Trees beginning 553＇from DER，428＇right of centerline，up to 94＇AGL／923＇MSL．
Trees beginning $727^{\prime}$ from DER， $25^{\prime}$＇right of centerline，up to $96^{\prime}$ AGL／948＇MSL．
Tree，electrical system beginning 730＇from DER，518＇left of centerline，up to 93 ＇AGL／961＇MSL．
Trees beginning 938 ＇from DER， $25^{\prime}$＇left of centerline，up to $90^{\prime}$ AGL／963＇MSL．
Trees beginning $1605^{\prime}$ from DER， $30^{\prime}$ left of centerline，up to 87 ＇AGL／976＇MSL．
Trees beginning $1765^{\prime}$ from DER， $166^{\prime}$ right of centerline，up to 70＇AGL／949＇MSL．
Tree 1993＇from DER， $625^{\prime}$ left of centerline， $75^{\prime}$ AGL／980＇MSL．
Trees beginning 2195＇from DER， $39^{\prime}$＇left of centerline，up to 80＇AGL／984＇MSL．
Tree 2453＇from DER，41＇right of centerline， 56 ＇AGL／959＇MSL．
Trees beginning $2632^{\prime}$ from DER， $148^{\prime}$ left of centerline，up to $86^{\prime}$ AGL／986＇MSL．

## DIVERSE VECTOR AREA（RADAR VECTORS） <br> 24025

## DYERSBURG，TN

DYERSBURG RGNL（DYR）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1A 07OCT21（21280）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 4，trees beginning 182＇from DER，410＇left of centerline，up to 400＇MSL．
Rwy 22，tree 1395＇from DER，420＇right of centerline，361＇MSL．
Trees beginning 1484＇from DER，770＇left of centerline，up to 381＇MSL．
Tree $1652^{\prime}$ from DER，674＇right of centerline， 384 ＇MSL．
Trees beginning 1793＇from DER，448＇right of centerline，up to 387＇MSL．

## ELIZABETHTON，TN

ELIZABETHTON MUNI（OA9）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG－A 16AUG18（18228）（FAA）
TAKEOFF MINIMUMS：
Rwy 6，NA－obstacles．
Rwy 24，600－2 w／min climb of 415＇per NM to 7000 or 3500－3 for VCOA．
DEPARTURE PROCEDURE：
Rwy 24，climb heading $244^{\circ}$ to 3300 before proceeding on course．
VCOA：
Rwy 24，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions to cross Elizabethton Muni Airport at or above 4900 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 24，numerous trees beginning 1655＇from DER，931＇right of centerline，up to 100＇AGL／2099＇MSL．
Numerous trees 1．36 NM from DER，2353＇left of centerline，up to 100＇AGL／2179＇MSL．
Power line 5898＇from DER，973＇left of centerline，up to 200＇AGL／1759＇MSL．
Power line 1．13 NM from DER，584＇right of centerline，up to 200＇AGL／1849＇MSL．

## FAYETTEVILLE，TN

FAYETTEVILLE MUNI（FYM）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 07MAR13（13066）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 2，terrain 5＇from DER，495＇right of centerline，985＇MSL．
Vehicles on road beginning 534＇from DER，left and right of centerline，up to 15＇AGL／1004＇MSL．
Trees beginning 742＇from DER，26＇left of centerline，up to 100＇AGL／1109＇MSL
Trees beginning 987＇from DER，468＇right of centerline，up to $100^{\prime}$ AGL／1089＇MSL．
Rwy 20，trees beginning 82＇from DER，451＇right of centerline，up to 100＇AGL／1059＇MSL．
Trees beginning 835＇from DER，420＇left of centerline，up to 100＇AGL／1059＇MSL．
Tree 1428 ＇from DER，on centerline， 100 ＇AGL／1014＇MSL．
Trees beginning 1719＇from DER，55＇left of centerline，up to 100＇AGL／1099＇MSL．

# TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS） 

## FLEMINGSBURG，KY

FLEMING－MASON（FGX）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 30NOV23（23334）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 7，trees beginning 141＇from DER，360＇left of centerline，up to 931＇MSL．
Trees beginning $214^{\prime}$ from DER， 530 ＇left of centerline，up to $932^{\prime}$ MSL
Trees beginning 224＇from DER，163＇right of centerline，up to 67＇AGL／939＇MSL
Trees beginning $304^{\prime}$ from DER， $510^{\prime}$ left of centerline，up to 65 ＇AGL／938＇MSL
Trees beginning 354 ＇from DER， 518 ＇left of centerline，up to $68^{\prime}$ AGL／942＇MSL
Rwy 25，vegetation 4＇from DER， 11 ＇right of centerline，7＇AGL／907＇MSL．
Tree 6＇from DER， 485 ＇right of centerline， 909 ＇MSL．
Vegetation 7＇from DER，5＇left of centerline，7＇AGL／907＇MSL．
Tree 20 ＇from DER， $145^{\prime}$ right of centerline，29＇AGL／914＇MSL．
Trees，NAVAID beginning $103^{\prime}$ from DER， $23^{\prime}$ left of centerline，up to 915 ＇MSL．
Tree 209＇from DER， $539^{\prime}$ right of centerline， $916^{\prime}$ MSL．
Tree 354＇from DER， $220^{\prime}$ right of centerline，917＇MSL
Tree 375 ＇from DER， 213 ＇right of centerline， 53 ＇AGL／922＇MSL
Trees beginning 404＇from DER，200＇right of centerline，up to $56^{\prime}$ AGL／927＇MSL．
Tree 408＇from DER， $534^{\prime}$ left of centerline，68＇AGL／925＇MSL．
Trees beginning $577^{\prime}$＇from DER， 255 ＇right of centerline，up to $51^{\prime}$ AGL／928＇MSL．
FRANKFORT，KY
CAPITAL CITY（FFT）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 3 02MAY13（13122）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 7，trees beginning 285 ＇from DER， 76 ＇right of centerline，up to 100＇AGL／887＇MSL．
Pole $2549^{\prime}$ from DER， 484 ＇right of centerline， 34 ＇AGL／855＇MSL．
Terrain beginning 25 ＇from DER，left and right of centerline up to 837 ＇MSL．

Trees beginning 1638 ＇from DER， $14^{\prime}$ left of centerline，up to 100＇AGL／903＇MSL． Vehicle 946＇from DER，17＇AGL／836＇MSL．
Rwy 25，trees beginning 199＇from DER，98＇right of centerline，up to 100＇AGL／892＇MSL．
Navaid and vehicle beginning $226^{\prime}$ from DER， $256^{\prime}$ right of centerline，up to $17^{\prime}$ AGL／840＇MSL．
Terrain beginning $2^{\prime}$ from DER，left and right of centerline， $850^{\prime} \mathrm{MSL}$
Trees beginning 510＇from DER， $69^{\prime}$ left of centerline，up to $100^{\prime}$ AGL／879＇MSL．
Poles beginning $198^{\prime}$ from DER， $527^{\prime}$ left of centerline，up to $38^{\prime}$ AGL／852＇MSL
Vehicle and building beginning $449^{\prime}$ from DER， 434 ＇left of centerline，up to 17 ＇AGL／837＇MSL．

## FULTON，KY

FULTON（1M7）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES ORIG 24MAR22（22083）（FAA）

Rwy 9，400－13／4 or std．w／min．climb of 314＇per NM to 900
TAKEOFF OBSTACLE NOTES：
Rwy 9，trees，vehicles on roads，pole beginning 5＇from DER，on centerline，up to 91＇AGL／487＇MSL．
Poles，vehicles on roads beginning 38＇from DER， $124^{\prime}$ left of centerline，up to 25＇AGL／423＇MSL．
Tree 338＇from DER，530＇left of centerline，94＇AGL／493＇MSL
Trees beginning 956＇from DER，665＇left of centerline，up to 95＇AGL／504＇MSL
Trees beginning 2409＇from DER，822＇right of centerline，up to 88＇AGL／503＇MSL．
Tree 2582＇from DER，1025＇right of centerline，88＇AGL／506＇MSL．
Trees beginning 2648＇from DER，773＇right of centerline，up to 94＇AGL／513＇MSL．
Trees beginning 3549＇from DER， 16 ＇left of centerline，up to 86＇AGL／517＇MSL．
Trees beginning 3566＇from DER，42＇right of centerline，up to 85＇AGL／519＇MSL
Trees beginning 4216＇from DER， $1335^{\prime}$ right of centerline，up to 104＇AGL／530＇MSL
Trees beginning 4349＇from DER，1229＇right of centerline，up to 109＇AGL／533＇MSL．
Tree 4551＇from DER，1650＇right of centerline，119＇AGL／543＇MSL．
Tree 4646＇from DER，1709＇right of centerline，126＇AGL／549＇MSL．
Antennas，towers beginning 1．3 NM from DER，849＇right of centerline，up to 327＇AGL／725＇MSL．
Tower 1．5 NM from DER，846＇right of centerline，258＇AGL／666＇MSL．
Rwy 27，trees，pole beginning 261＇from DER，238＇right of centerline，up to 106＇AGL／464＇MSL．
Trees，pole，antenna beginning 323＇from DER，247＇left of centerline，up to 82＇AGL／449＇MSL．
Tree，antenna beginning 971＇from DER，389＇left of centerline，up to 80＇AGL／460＇MSL
Trees，antenna beginning 1241＇from DER，212＇left of centerline，up to 84＇AGL／464＇MSL．
Trees beginning 2315＇from DER， 76 ＇right of centerline，up to 110＇AGL／472＇MSL．
Tree 3412＇from DER，1000＇left of centerline，466＇MSL．
Trees beginning 3451 ＇from DER， $866^{\prime}$ left of centerline，up to 106 ＇AGL／470＇MSL．
Trees beginning 3480＇from DER，427＇left of centerline，up to 114＇AGL／471＇MSL．


## GODMAN AAF (KFTK)

FORT KNOX, KY
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07SEP23 (23250) (USA)
TAKEOFF MINIMUMS:
Rwy 15, std w/min climb of $290 / \mathrm{NM}$ to 1200 or 300-1 $1 / 4$. DEPARTURE PROCEDURE:
Rwys $15,18,33,36$, climb rwy hdg to 1200 before turning. TAKEOFF OBSTACLE NOTES:
Rwy 15, trees $841^{\prime}$ ' from DER, 378 ' left of centerline, 760' MSL.
Trees 1015' from DER, 690' left of centerline, 803' MSL.
Trees 2036' from DER, $885^{\prime}$ ' right of centerline, $806^{\prime}$ MSL.
Trees 2544' from DER, 468 ' left of centerline, $808^{\prime}$ MSL.
Tank 5108' from DER, $1644^{\prime}$ left of centerline, 130' AGL/875' MSL.
Tank $5216^{\prime}$ from DER, $1639^{\prime}$ left of centerline, $131^{\prime}$ AGL/885' MSL.
Rwy 18, vehicle $250^{\prime}$ from DER, 2' left of centerline, 735' MSL.
Trees 1685 ' from DER, on centerline, 806 ' MSL.
Rwy 33, vehicle 677' from DER, $512^{\prime}$ ' left of centerline, 788' MSL
Fence 693' from DER, $505^{\prime}$ right of centerline, $775^{\prime}$ MSL.
Trees $1010^{\prime}$ from DER, 504 ' right of centerline, 861 ' MSL.
Fence 711' from DER, $515^{\prime}$ left of centerline, $786^{\prime}$ MSL.
Trees 2107' from DER, 27' left of centerline, $852^{\prime}$ MSL.
Trees 3946 ' from DER, 1124 ' right of centerline, 863 ' MSL.
Power pole 1945' from DER, 589' left of centerline, 821' MSL.
Pylon 1946' from DER, $571^{\prime}$ left of centerline, 59' AGL/817' MSL.
Pylon 1999' from DER, 281' left of centerline, 59' AGL/817' MSL.
Pylon 2054' from DER, 7 ' left of centerline, 59' AGL/814' MSL.
CON'T

# TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS） <br> <br> 24025 

 <br> <br> 24025}

## GODMAN AAF（KFTK）（CON＇T）

FORT KNOX，KY（CON＇T）
Rwy 33 （CON＇T），pylon 2091＇from DER，223＇right of centerline，59＇AGL／827＇MSL．
Pylon 2116＇from DER，917＇left of centerline，59＇AGL／835＇MSL．
Pylon $2142^{\prime}$ from DER， 467 ＇right of centerline， 59 ＇AGL／830＇MSL
Pylon 2184＇from DER，692＇right of centerline，59＇AGL／837＇MSL．
Pylon 2223＇from DER， 917 ＇right of centerline，59＇AGL／847＇MSL．
Rwy 36，vehicle 252＇from DER， $\mathbf{7}^{\prime}$ left of centerline，10＇AGL／768＇MSL．
Vehicle 433＇from DER，1＇right of centerline，10＇AGL／771＇MSL．
Vehicle 1024＇from DER， $620^{\prime}$ left of centerline， $782^{\prime}$ MSL．
Trees $3788^{\prime}$ from DER， 821 ＇left of centerline， 867 ＇MSL．
Trees $3740^{\prime}$ from DER， $664^{\prime}$ left of centerline， $863^{\prime}$ MSL．
Vehicle 663 ＇from DER， 98 ＇right of centerline， 777 ＇MSL
Rail cars $623^{\prime}$ from DER， $2^{\prime}$ right of centerline $23^{\prime}$ AGL／794＇MSL．
Vegetation 520＇from DER， $142^{\prime}$ right of centerline，768＇MSL．
Pylon 3311＇from DER，1173＇left of centerline，59＇AGL／845＇MSL．

## GREENEVILLE，TN

GREENEVILLE MUNI（GCY）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES AMDT 5A 21MAY20（20142）（FAA）
TAKEOFF MINIMUMS：
Rwy 5，300－2 w／min．climb of 250 ＇per NM to 4000 ，or 2700－3 for climb in visual conditions．
Rwy 23，300－1 w／min．climb of 285 ＇per NM to 4400 ，or std．w／min．climb of 340 ＇per NM to 4400 ，or $2700-3$ for climb in visual conditions．
DEPARTURE PROCEDURE：
Rwy 5，climb on heading $054^{\circ}$ to 4000 before turning right．
Rwy 23，climb on heading $234^{\circ}$ to 4400 before turning left．
VCOA：
All Rwys，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions，to cross Greeneville Muni airport at or above 4200 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 5，lighting 20＇from DER， $91^{\prime}$ left of centerline，4＇AGL／1604＇MSL．
Lighting $20^{\prime}$ from DER， $88^{\prime}$ right of centerline，2＇AGL／1603＇MSL．
Terrain，vegetation beginning $65^{\prime}$ from DER， 304 ＇right of centerline，up to 1633 ＇MSL．
Tree $85^{\prime}$ from DER， $392^{\prime}$ left of centerline， $1617^{\prime}$ MSL
Trees beginning $414^{\prime}$ from DER， 346 ＇right of centerline，up to 1645 ＇MSL．
Trees beginning $543^{\prime}$ from DER， $430^{\prime}$ right of centerline，up to $1669^{\prime}$ MSL．
Tree 1374＇from DER， $746^{\prime}$ right of centerline，1728＇MSL．
Trees beginning 1400 ＇from DER， $288^{\prime}$ right of centerline，up to $112^{\prime}$ AGL／1757＇MSL．
Tree，vegetation，terrain，fence beginning 1521 ＇from DER， 32 ＇right of centerline，up to 1789 ＇MSL
Trees beginning 3257 ＇from DER， 17 ＇left of centerline，up to $1716^{\prime}$ MSL．
Trees beginning $3439^{\prime}$ from DER， $589^{\prime}$ right of centerline，up to $113^{\prime}$ AGL／1791＇MSL．
Trees beginning $3540^{\prime}$ from DER， $318^{\prime}$ right of centerline，up to $1810^{\prime}$ MSL
Tree，terrain beginning 3700 ＇from DER， $180^{\prime}$ right of centerline，up to $1846^{\prime}$ MSL．
Trees beginning $3861^{\prime}$ from DER， 50 ＇left of centerline，up to $1724^{\prime}$ MSL．
Trees beginning 3917＇from DER， 18 ＇right of centerline，up to 1857＇MSL．
Tree，electrical system beginning 4545＇from DER， $54^{\prime}$＇right of centerline，up to 100＇AGL／1875＇MSL．
Tree 4783＇from DER， 6 ＇left of centerline， $1740^{\prime}$ MSL
Tree 5064＇from DER，39＇left of centerline，94＇AGL／1775＇MSL．
Tree beginning $5112^{\prime}$ from DER， $7^{\prime}$＇right of centerline，up to 100 ＇AGL／1889＇MSL．
Trees beginning 5201＇from DER， $28^{\prime}$ left of centerline，up to $1789^{\prime}$ MSL．
Tree 5877＇from DER， 174 ＇left of centerline， $87^{\prime}$ AGL／1794＇MSL．
Trees beginning 5977＇from DER， $175^{\prime}$＇left of centerline，up to 1803 ＇MSL．
Tree 1 NM from DER， 197 ＇left of centerline， $\mathbf{1 8 0 5}^{\prime}$ MSL．
Trees beginning 1 NM from DER， 213 ＇left of centerline，up to 1808 ＇MSL．
Tree 1.4 NM from DER， 930 ＇right of centerline， 1889＇$^{\prime}$ MSL．
Tree 1.4 NM from DER， 749 ＇right of centerline， $18^{\prime 2} 9^{\prime}$ MSL．
Rwy 23，tree，lighting，sign beginning 111＇from DER，29＇left of centerline，up to 83＇AGL／1629＇MSL．
Tree 2912＇from DER， $1183^{\prime}$ left of centerline，129＇AGL／1666＇MSL．
Tree $3817^{\prime}$ from DER， 1398 ＇right of centerline， 1698 ＇MSL．
Trees beginning 3998＇from DER， $1398^{\prime}$ right of centerline，up to $1728^{\prime}$ MSL．
Trees beginning $4318^{\prime}$ from DER， $1417^{\prime}$ right of centerline，up to $1768^{\prime}$ MSL．
Trees beginning 4362＇from DER， 1332 ＇right of centerline，up to 1773 ＇MSL．

# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS) <br> <br> 24025 

 <br> <br> 24025}

GREENVILLE, KY
MUHLENBURG COUNTY (M21)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 31MAY12 (12152) (FAA)
TAKEOFF MINIMUMS:
Rwy 6, 300-13/4.
Rwy 24, 400-3 or std. w/min. climb of 465' per NM to 1000.
TAKEOFF OBSTACLE NOTES:
Rwy 6, terrain and trees beginning 246' from DER. 221' left of centerline, up to 100' AGL/539' MSL.
Terrain and trees beginning 1089' from DER, 35' right of centerline, up to 100' AGL/559' MSL
Trees 1415 ' from DER, 195' right of centerline, up to 100 ' AGL/609' MSL.
Trees 1.1 NM from DER, 2312' left of centerline, up to 100' AGL/689' MSL.
Trees 1.4 NM from DER, 2564' left of centerline, up to 100' AGL/669' MSL.
Rwy 24, trees beginning 518' from DER, 363' left of centerline, up to 100' AGL/519' MSL.
Terrain and trees beginning $328^{\prime}$ from DER, 502' right of centerline, up to 100' AGL/539' MSL. Trees 2659 ' from DER, $326^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/569' MSL.
Tower 2.4 NM from DER, 4098' left of centerline, 218' AGL/818' MSL.

## HARDINSBURG, KY

BRECKINRIDGE COUNTY (193)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 25APR19 (19115) (FAA)
TAKEOFF MINIMUMS:
Rwy 28, $300-2 \frac{1}{4}$ or std. w/min. climb of 260' per NM to 1200 or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.
DEPARTURE PROCEDURE:
Rwy 28, climb on heading $281^{\circ}$ to 1200 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 10, tree $222^{\prime}$ from DER, $328^{\prime}$ left of centerline, $54^{\prime}$ AGL/749' MSL.
Trees beginning $352^{\prime}$ from DER, $315^{\prime}$ left of centerline, up to $96^{\prime}$ AGL/775' MSL.
Tree 531' from DER, 437' right of centerline, 41' AGL/749' MSL.
Rwy 28, tree, pole beginning 94' from DER, $505^{\prime}$ ' right of centerline, up to $65^{\prime}$ AGL/749' MSL.
Tree 198 ' from DER, 361 ' left of centerline, $30^{\prime}$ AGL/729' MSL.
Tree, pole beginning $502^{\prime}$ from DER, $259^{\prime}$ right of centerline, up to $80^{\prime}$ AGL/750' MSL.
Trees beginning 688' from DER, $28^{\prime}$ ' right of centerline, up to $89^{\prime}$ AGL/765' MSL.
Tree 930' from DER, 738' left of centerline, 77' AGL/755' MSL.
Tree 1091' from DER, 648' left of centerline, 89' AGL/770' MSL.
Trees beginning 1111 ' from DER, 643' left of centerline, up to 81 ' AGL/772' MSL.
Trees beginning 1355' from DER, 210' right of centerline, up to 91' AGL/771' MSL.
Trees beginning 1477' from DER, 236' right of centerline, up to 97' AGL/777' MSL.
Tree 2226' from DER, $812^{\prime}$ left of centerline, $72^{\prime}$ AGL/775' MSL.
Tower 1.8 NM from DER, $581^{\prime}$ ' left of centerline, $366^{\prime}$ AGL/1007' MSL.
HARLAN, KY
TUCKER-GUTHRIE MEML (I35)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 21JUL16 (22139) (FAA)
TAKEOFF MINIMUMS:
Rwy 8, std. w/min. climb of 470' per NM to 4200 or 2800-3 for VCOA.
Rwy 26, 1000-3 w/min. climb of 430' per NM to 3000 or 2800-3 for VCOA. DEPARTURE PROCEDURE:
Rwy 8, climb on heading $080^{\circ}$ to 4200 before proceeding on course.
Rwy 26, climb on heading $250^{\circ}$ to 4200 before proceeding on course.
VCOA:
Rwys 8, 26, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross TuckerGuthrie Meml at or above 4200' before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 8, trees beginning $350^{\prime}$ from DER, $97^{\prime}$ right of centerline, up to $100^{\prime}$ AGL/1619' MSL.
Trees beginning 359 ' from DER, $126^{\prime}$ right of centerline, up to 100 ' AGL/1739' MSL.
Trees beginning $1105^{\prime}$ from DER, $308^{\prime}$ right of centerline, up to $100^{\prime}$ AGL/1779' MSL.
Trees beginning $1471^{\prime}$ from DER, $369^{\prime}$ right of centerline, up to 100 ' AGL/1819' MSL.
Trees beginning 3951' from DER, 826' right of centerline, up to 100' AGL/1859' MSL.
Trees beginning 1.9 NM from DER, 3003 ' right of centerline, up to 100' AGL/2099' MSL.
Trees beginning 2.2 NM from DER, 2674' right of centerline, up to $100^{\prime}$ AGL/2299' MSL
Trees beginning 2.5 NM from DER, 1549' right of centerline, up to $100^{\prime}$ AGL/2139' MSL.
Rwy 26, trees beginning $113^{\prime}$ from DER, $220^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/1539' MSL.
Trees beginning 187' from DER, 147' right of centerline, up to 100' AGL/1619' MSL.
Trees beginning 2112' from DER, $677^{\prime}$ ' right of centerline, up to $100^{\prime}$ AGL/1739' MSL.
Trees beginning 2913' from DER, 944' right of centerline, up to 100' AGL/1819' MSL.
Tower 1.5 NM from DER, 1294' left of centerline, 343' AGL/1802' MSL.
Trees beginning 1.7 NM from DER, 3222' right of centerline, up to 100' AGL/2139' MSL.

## TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

| HARTFORD, KY <br> OHIO COUNTY (JQD) <br> TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES <br> AMDT 1A 02MAY13 (13122) (FAA) <br> TAKEOFF MINIMUMS: <br> Rwy 3, 500-3 or std. w/ min. climb of 257 ' per NM to 1200. <br> TAKEOFF OBSTACLE NOTES: <br> Rwy 3, trees beginning $388^{\prime}$ ' from DER, $508^{\prime}$ ' right of centerline, up to $100^{\prime}$ AGL/669' MSL. Trees beginning $1741^{\prime}$ ' rom DER, $890^{\prime}$ ' left of centerline, up to $100^{\prime}$ AGL/669' MSL. Tower 2.5 NM from DER, $3516^{\prime}$ right of centerline, 290' AGL/950' MSL. Rwy 21, trees beginning 79' from DER, 294 ' right of centerline, up to $100^{\prime}$ AGL/585' MSL. Trees beginning $95^{\prime}$ from DER, 279 ' left of centerline, up to $100^{\prime}$ ' AGL/568' MSL. |
| :---: |
| HAZARD, KY <br> WENDELL H. FORD (CPF) <br> TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES <br> AMDT 3 05APR12 (12096) (FAA) <br> TAKEOFF MINIMUMS: <br> Rwy 6 , 500-23/4. <br> Rwy 14, 500-2 $1 / 4$ w/min. climb of 291 ' per NM to 2300 or $1000-3$ for climb in visual conditions. <br> Rwy 24, 500-21/2. <br> Rwy 32, 300-2 $1 / 4$ or std. w/min. climb of 363 ' per NM to 1700. <br> DEPARTURE PROCEDURE: <br> Rwy 6, climb heading $065^{\circ}$ to 1900 before proceeding on course. <br> Rwy 14, climb heading $145^{\circ}$ to 2000 before proceeding on course, or for climb in visual conditions, cross Wendell H . Ford <br> airport at or above 2100 before proceeding on course. <br> Rwy 24, climb heading $245^{\circ}$ to 1900 before proceeding on course. <br> Rwy 32, climb heading $325^{\circ}$ to 1700 before proceeding on course. <br> TAKEOFF OBSTACLE NOTES: <br> Rwy 6, trees beginning 1457' from DER, left and right of centerline, up to 100' AGL/1699' MSL. <br> Rwy 14, rising terrain beginning 117' from DER, 125' right of centerline, up to $1435^{\prime}$ MSL. <br> Multiple pole, fence, bushes beginning 131' from DER, 415' right of centerline, up to 80' AGL/1477' MSL. <br> Trees beginning 1284' from DER, left and right of centerline, up to 100' AGL/1659' MSL. <br> Rwy 24, trees beginning 13' from DER, left and right of centerline, up to 100' AGL/1739' MSL. <br> Rwy 32, multiple poles, buildings and antenna beginning 34' from DER, 471' left of centerline, up to 80' AGL/1279' MSL. Airplane on Rwy 6/24 155' from DER, 427' right of centerline, up to 25' AGL/1264' MSL. <br> Multiple trees beginning 997' from DER, left and right of centerline, up to 100' AGL/1539' MSL. |
| HENDERSON, KY <br> HENDERSON CITY-COUNTY (EHR) <br> TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES <br> AMDT 3 13JAN11 (11013) (FAA) <br> DEPARTURE PROCEDURE: <br> Rwy 9, climb heading $089^{\circ}$ to 1500 before turning left. <br> TAKEOFF OBSTACLE NOTES: <br> Rwy 9, vehicle on road $336^{\prime}$ ' from DER, $365^{\prime}$ ' eft of centerline, $15^{\prime}$ AGL/405' MSL. <br> Poles beginning $422^{\prime}$ 'rom DER, $355^{\prime}$ ' efft of centerline, up to $36^{\prime}$ ' AGL/421' MSL. <br> Trees beginning $463^{\prime}$ ' from DER, $523^{\prime}$ ' eft of centerline up to $88^{\prime}$ AGL/473' MSL. <br> Building and equipment on building $3604^{\prime}$ 'rom DER, $598^{\prime}$ ' MSL left of centerline, up to $102^{\prime}$ AGL/487' MSL. <br> Elevator $3658^{\prime}$ 'rom DER, 1007 ' left of centerline, $1^{\prime 37}$ ' AGL/527' MSL. <br> Rwy 27, vehicle on road $1988^{\prime}$ from DER, $437^{\prime}$ left of centerline, $15^{\prime}$ AGL/399' MSL. <br> Pole 1806' from DER, 401' right of centerline, 48' AGL/433' MSL. <br> Trees beginning $2343^{\prime}$ from DER, $552^{\prime}$ 'right of centerline, up to $100^{\prime}$ AGL/489' MSL. <br> Trees beginning 2563' from DER, $374^{\prime}$ left of centerline, up to $109^{\prime}$ AGL/489' MSL. |

## HOHENWALD, TN

PAUL BRIDGES FLD (0M3)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG 11MAR10 (21112) (FAA)
TAKEOFF MINIMUMS:
Rwy 20, 300-11/4 or std. w/min. climb of 246' per NM to 1300.
TAKEOFF OBSTACLE NOTES:
Rwy 2, vehicle on road, 16' from DER, 121' right of centerline, up to 17' AGL/996' MSL.
Vehicles on road 119' from DER, left and right of centerline, up to 17' AGL/996' AGL.
Trees beginning 812' from DER, left and right of centerline, up to 100' AGL/1099' MSL.
Rwy 20, trees beginning 655' from DER, 544' right of centerline, up to 100' AGL/1059' MSL.
Trees beginning 1682' from DER, 597' left of centerline, up to 100' AGL/1059' MSL.
Power lines, 1.2 NM from DER, left and right of centerline, up to 169' AGL/1149' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

HOPKINSVILLE-CHRISTIAN COUNTY (HVC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 06OCT22 (22279) (FAA)
TAKEOFF MINIMUMS:
Rwy 26, $300-13 / 8$ or std. w/min. climb of 275 ' to 900
TAKEOFF OBSTACLE NOTES:
Rwy 8, terrain $53^{\prime}$ from DER, 498 ' left of centerline, 568 ' MSL.
Tree $1192^{\prime}$ from DER, 417 ' right of centerline, $58^{\prime}$ AGL/604' MSL.
Tree 1683' from DER, $371^{\prime}$ ' left of centerline, 63' AGL/622' MSL.
Trees beginning 1904' from DER, 117' left of centerline, up to 88' AGL/651' MSL.
Trees beginning 2658' from DER, $752^{\prime}$ ' left of centerline, up to $93^{\prime}$ AGL/653' MSL.
Tree 3737 ' from DER, $1352^{\prime}$ left of centerline, $88^{\prime}$ AGL/662' MSL.
Transmission line 4394' from DER, 1574' left of centerline, $87^{\prime}$ AGL/675' MSL
Rwy 26, tree, vehicle on road beginning 175' from DER, 262' left of centerline, up to 54' AGL/568' MSL.
Tree 556' from DER, 535' right of centerline, $73^{\prime}$ AGL/613' MSL.
Trees beginning 609' from DER, $40^{\prime}$ left of centerline, up to 105' AGL/618' MSL
Trees, poles beginning 785' from DER, 1' right of centerline, up to 91' AGL/621' MSL.
Trees beginning $1507^{\prime}$ from DER, $12^{\prime}$ left of centerline, up to $116^{\prime}$ AGL/630' MSL.
Tower, trees beginning 2255' from DER, $111^{\prime}$ left of centerline, up to $130^{\prime}$ AGL/670' MSL.
Antenna, tree beginning 2469' from DER, 203' left of centerline, up to 134' AGL/676' MSL.
Trees beginning 2900' from DER, 424' right of centerline, up to 70' AGL/633' MSL.
Tree 4294' from DER, $873^{\prime}$ right of centerline, $91^{\prime}$ AGL/645' MSL.
Tree 4463' from DER, $1421^{\prime}$ right of centerline, $73^{\prime}$ AGL/653' MSL.
Tree 4614' from DER, 1499' right of centerline, 81' AGL/658' MSL.
Elevator, building 1.1 NM from DER, 1436 ' right of centerline, 210' AGL/778' MSL.
HUMBOLDT, TN
HUMBOLDT MUNI (M53)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 25FEB21 (21056) (FAA)
DEPARTURE PROCEDURE:
Rwy 4, climb on heading $075^{\circ}$ to 1700 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 4, trees beginning 17 ' from DER, 275' right of centerline, up to 84 ' AGL/494' MSL.
Trees beginning $66^{\prime}$ from DER, 291' left of centerline, up to $472^{\prime}$ MSL.
Trees beginning $342^{\prime}$ from DER, $205^{\prime}$ left of centerline, up to $476^{\prime}$ MSL.
Trees beginning $802^{\prime}$ from DER, $323^{\prime}$ left of centerline, up to $478^{\prime}$ MSL.
Trees beginning $936^{\prime}$ from DER, $402^{\prime}$ left of centerline, up to 485 ' MSL.
Trees beginning $984^{\prime}$ from DER, 50 ' left of centerline, up to 96 ' AGL/503' MSL.
Trees beginning 1080' from DER, 28' right of centerline, up to 91 ' AGL/505' MSL.
Rwy 22, tree 61' from DER, 234' right of centerline, 435' MSL.
Traverse way beginning $80^{\prime}$ from DER, 245 ' left of centerline, up to 416 ' MSL.
Trees, transmission line beginning 150 ' from DER, $0^{\prime}$ ' right of centerline, up to $91^{\prime}$ AGL/483' MSL.
Pole $265^{\prime}$ from DER, 297 ' left of centerline, 437' MSL.
Trees beginning 493' from DER, $173^{\prime}$ left of centerline, up to $444^{\prime}$ MSL.
Trees beginning $584^{\prime}$ from DER, $126^{\prime}$ ' left of centerline, up to $449^{\prime}$ MSL.
Trees beginning 622' from DER, 189 ' left of centerline, up to 480' MSL.
Trees, transmission line beginning 850' from DER, $16^{\prime}$ ' left of centerline, up to 481' MSL.

## HUNTINGDON, TN

CARROLL COUNTY (HZD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 13JAN11 (11013) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning $33^{\prime}$ from DER, 4' right of centerline, up to 102' AGL/612' MSL.
Trees beginning 567' from DER, 88' left of centerline, up to 99' AGL/589' MSL.
Rwy 19, trees beginning 1647' from DER, 561' left of centerline to $215^{\prime}$ right of centerline, up to 100' AGL/599' MSL.

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JACKSBORO, TN
    COLONEL TOMMY C STINER AIRFIELD(JAU)
    TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
    AMDT 2A 08NOV18 (18312) (FAA)
        TAKEOFF MINIMUMS:
            Rwy 23, NA-obstacles.
        Rwy 5, std. w/min. climb of 477' per NM to 2400, or 1600-21/2 for VCOA.
        DEPARTURE PROCEDURE:
            Rwy 5, climb heading 049' to 3400 before proceeding on course.
        VCOA:
            Rwy 5, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Colonel Tommy
            C Stiner Airfield at or above 2600 then proceed on VXV R-336 to 3400 before proceeding on course. Do not exceed 210
            KIAS until established on VXV R-336 southeast bound.
            TAKEOFF OBSTACLE NOTES:
            Rwy 5, vegetation beginning 17' from DER, 236' right of centerline, 100' AGL/1301' MSL.
            Vegetation beginning 53' from DER, 26' left of centerline, up to 100' AGL/1255' MSL.
            Vegetation beginning 2342' from DER, 37' left of centerline, up to 100' AGL/1288' MSL.
            Vegetation beginning 2554' from DER, 254' left of centerline, up to 100' AGL/1324' MSL.
            Vegetation beginning 2671' from DER, 48' left of centerline, up to 100' AGL/1339' MSL.
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JACKSON，KY
JULIAN CARROLL（JKL）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 22JUN17（17173）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 1，tree and vertical structure beginning $31^{\prime}$ from DER， $368^{\prime}$ right of centerline，up to 79＇AGL／1426＇MSL．
Trees beginning $48^{\prime}$ from DER， $33^{\prime}$ left of centerline，up to 78 ＇AGL／1426＇MSL．
Trees beginning 831 ＇from DER， 504 ＇right of centerline，up to $54^{\prime}$ AGL／1431＇MSL．
Tree 1614＇from DER，712＇right of centerline，94＇AGL／1436＇MSL．
Rwy 19，tree 79＇from DER，503＇left of centerline，111＇AGL／1403＇MSL．
Tree，vertical structure and fence beginning $160^{\prime}$ from DER， $334^{\prime}$＇right of centerline，up to $103^{\prime}$ AGL／1415＇MSL．
Tree and bush beginning 170 ＇from DER， $25^{\prime}$＇left of centerline，up to 95 ＇AGL／1417＇MSL．
Tree，fence and vertical structure beginning $241^{\prime}$ from DER， $335^{\prime}$ right of centerline，up to $75^{\prime}$ AGL／1432＇MSL．
Tree，fence and vertical structure beginning $320^{\prime}$ from DER，357＇left of centerline，up to 106＇AGL／1428＇MSL．
Tree 438＇from DER，537＇left of centerline，93＇AGL／1434＇MSL．
Tree 567 ＇from DER， $610^{\prime}$ left of centerline， $80^{\prime}$ AGL／1437＇MSL．
JACKSON，TN
MC KELLAR－SIPES RGNL（MKL）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 28FEB19（19059）（FAA）
Rwy 2，climb heading $023^{\circ}$ to 1100 before turning right． TAKEOFF OBSTACLE NOTES：
Rwy 2，vehicles on roadway beginning 489＇from DER，594＇left of centerline，up to 15＇AGL／439＇MSL．
Trees beginning 782＇from DER， $97^{\prime}$ left of centerline，up to 100＇AGL／491＇MSL．
Poles and trees beginning $880^{\prime}$＇from DER，599＇of centerline，up to 100＇AGL／456＇MSL．
Antenna 2043＇from DER，947＇left of centerline，61＇AGL／470＇MSL．
Rwy 11，trees beginning 787＇from DER，71＇left of centerline，up to 77＇AGL／476＇MSL．
Trees beginning $10^{\prime \prime} 0^{\prime}$＇from DER，215＇right of centerline，up to $100^{\prime}$ AGL／509＇MSL．
Rwy 20，vehicles on roadway beginning 41＇from DER，221＇right of centerline，up to 15＇AGL／444＇MSL．
Trees beginning 2970＇from DER， $877^{\prime}$＇left of centerline，up to $100^{\prime}$ AGL／528＇MSL．
Trees beginning 2416＇from DER， 1040 ＇right of centerline，up to 100 ＇AGL／532＇MSL．
Power lines beginning 1893＇from DER，972＇right of centerline，40＇AGL／499＇MSL．
Rwy 29，light pole $40^{\prime}$ from DER，402＇left of centerline， $70^{\prime}$ AGL／449＇MSL．
Vehicles on roadway beginning 165 ＇from DER，left and right of centerline，up to 17＇AGL／434＇MSL．
Trees beginning 1362＇from DER，360＇right of centerline，up to 100 ＇AGL／486＇MSL．
Trees beginning $1738^{\prime}$ from DER， $55^{\prime}$ left of centerline，up to $100^{\prime}$ AGL／499＇MSL．

## JAMESTOWN，KY

RUSSELL COUNTY（K24）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES ORIG 17JAN08（08017）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 17，trees 2071＇from DER，234＇right of centerline，54＇AGL／1012＇MSL．
Rwy 35，trees 2500 ＇from DER， $99^{\prime}$ left of centerline， $65^{\prime}$ AGL／1076＇MSL．

## TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

JAMESTOWN, TN<br>JAMESTOWN MUNI (2A1)<br>TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES<br>ORIG-A 07OCT21 (21280) (FAA)<br>TAKEOFF OBSTACLE NOTES:<br>Rwy 1, trees beginning 1013' from DER, left and right of centerline, up to 100' AGL/1819' MSL<br>Rwy 19, trees beginning 1392' from DER, left and right of centerline, up to 100' AGL/1819' MSL.



Trees beginning $2386^{\prime}$ from DER, $34^{\prime}$ right of centerline, up to $716^{\prime}$ MSL.
Rwy 22, trees, transmission line beginning 129' from DER, 3' left of centerline, up to 685' MSL.
Trees, pole beginning 151' from DER, 19' right of centerline, up to 674 ' MSL.
Tree 1073' from DER, 141 ' right of centerline, 680' MSL.
Trees beginning $1110^{\prime}$ from DER, $177^{\prime}$ left of centerline, up to 686' MSL.
Trees, transmission line, pole beginning 1121 ' from DER, 19' right of centerline, up to 682' MSL.
Trees, pole, transmission line beginning 1202' from DER, 54' left of centerline, up to 687' MSL.
Trees beginning 1539' from DER, 77 ' right of centerline, up to 691' MSL.
Tree 1604' from DER, 157' left of centerline, 695' MSL.
Trees beginning 1715' from DER, 199' right of centerline, up to 701' MSL.
Trees beginning 1777' from DER, $64^{\prime}$ right of centerline, up to $709^{\prime}$ MSL.
Tree 1983' from DER, 33' left of centerline, 708' MSL.
Tree 2053' from DER, 294' right of centerline, 716' MSL.
Tree 2061' from DER, 231' left of centerline, 712' MSL.
Tree 2077' from DER, $135^{\prime}$ ' left of centerline, $715^{\prime}$ MSL.
Trees beginning 2084' from DER, $22^{\prime}$ left of centerline, up to $723^{\prime}$ MSL.
Trees beginning 2087' from DER, $167^{\prime}$ right of centerline, up to $724^{\prime}$ MSL.
Trees beginning $2216^{\prime}$ from DER, $10^{\prime}$ right of centerline, up to $728^{\prime}$ MSL.
Trees beginning 2270' from DER, $89^{\prime}$ left of centerline, up to $729^{\prime}$ MSL.
Tree 3580' from DER, 206 ' right of centerline, $731^{\prime}$ MSL
Tree $3646^{\prime}$ from DER, $160^{\prime}$ left of centerline, $753^{\prime}$ MSL.
Tree 3658' from DER, 65' right of centerline, 740' MSL.
Tree $3659^{\prime}$ from DER, $43^{\prime}$ left of centerline, 757' MSL.
Tree $3677^{\prime}$ from DER, $211^{\prime}$ right of centerline, $746^{\prime}$ MSL.
Trees beginning $3742^{\prime}$ from DER, $27^{\prime}$ right of centerline, up to $756^{\prime}$ MSL.
Trees beginning $3769^{\prime}$ from DER, 23 ' left of centerline, up to $758^{\prime}$ MSL.

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## LEBANON, TN

LEBANON MUNI (M54)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 29JUL10 (10210) (FAA)
TAKEOFF MINIMUMS:
Rwys 4, 22, NA-Obstacles.
Rwy 19, std. w/ min. climb of 285 ' per NM to 1500 , or $1100-2^{1 / 2}$ for climb in visual conditions. DEPARTURE PROCEDURE:
Rwy 19, for climb in visual conditions cross Lebanon Muni airport at or above 1500 MSL before proceeding on course. TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 432' from DER, 313' right of centerline, up to 63' AGL/662' MSL.
Road 348 ' from DER, $166^{\prime}$ right of centerline, 15' AGL/568' MSL.
Power pole 1174' from DER, $445^{\prime}$ right of centerline, $38^{\prime}$ AGL/597' MSL.
Tree 2136' from DER, $8^{\prime}$ left of centerline, 63' AGL/612' MSL.
Rwy 19, trees beginning 1339' from DER, 342' right of centerline, up to 74' AGL/844' MSL.
Road 334' from DER, 206' right of centerline, 15' AGL/607' MSL.
Trees beginning 2085' from DER, 511' left of centerline, up to 68' AGL/749' MSL.

## LEITCHFIELD, KY

LEITCHFIELD-GRAYSON CO (M20)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG 25APR19 (19115) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 2, vehicle on road, building 21' from DER, 454' right of centerline, 30' AGL/801' MSL.
Trees beginning $82^{\prime}$ from DER, $337^{\prime}$ left of centerline, up to $51^{\prime}$ AGL/827' MSL.
Trees, vehicle on road, pole, terrain beginning 161 ' from DER, $125^{\prime}$ ' right of centerline, up to $52^{\prime}$ AGL/808' MSL.
Pole, terrain beginning 685' from DER, $129^{\prime}$ right of centerline, up to $26^{\prime}$ AGL/812' MSL.
Vehicle on road, terrain, building beginning $752^{\prime}$ from DER, 202' right of centerline, up to $818^{\prime}$ MSL.
Vehicle on road, terrain, pole, trees beginning 830' from DER, 67 ' right of centerline, up to $820^{\prime}$ MSL.
Rwy 20, trees beginning 73' from DER, 289' right of centerline, up to 88' AGL/746' MSL.
Vegetation 204' from DER, 39' left of centerline, 23' AGL/714' MSL.
Tree $1633^{\prime}$ from DER, $785^{\prime}$ ' left of centerline, $66^{\prime}$ AGL/752' MSL.
Tree 1686 ' from DER, 665 ' left of centerline, $75^{\prime}$ AGL/754' MSL.
Trees beginning 1807' from DER, $524^{\prime}$ left of centerline, up to $72^{\prime}$ AGL/775' MSL.
Tree $1913^{\prime}$ from DER, $854^{\prime}$ left of centerline, $70^{\prime}$ AGL/785' MSL.
Trees beginning 1921' from DER, 628' left of centerline, up to 88' AGL/789' MSL.
Trees beginning 2085' from DER, $758^{\prime}$ ' left of centerline, up to $66^{\prime}$ AGL/792' MSL.
Tree 2173' from DER, 263 ' right of centerline, 81' AGL/764' MSL.
Trees beginning 2298' from DER, $239^{\prime}$ right of centerline, up to 82' AGL/773' MSL.
Trees beginning 2305' from DER, $825^{\prime}$ left of centerline, up to 76' AGL/794' MSL.
Tree 2344' from DER, 1044 ' left of centerline, 76' AGL/812' MSL.
Trees, pole beginning 2399' from DER, $3^{\prime}$ left of centerline, up to 79 ' AGL/827' MSL.
Trees beginning 2434' from DER, $138^{\prime}$ right of centerline, up to 77 ' AGL/779' MSL.
Trees beginning 2587' from DER, $52^{\prime}$ ' right of centerline, up to $72^{\prime}$ AGL/790' MSL.
Tree 2884' from DER, 250 ' right of centerline, $60^{\prime}$ AGL/791' MSL.
Tree 3047' from DER, 138' right of centerline, 57' AGL/796' MSL.
Trees beginning 3070' from DER, 19' right of centerline, up to 53' AGL/799' MSL.
Tree $3786^{\prime}$ from DER, $240^{\prime}$ ' right of centerline, $88^{\prime}$ AGL/803' MSL.
Transmission line, trees beginning 3832' from DER, 82 ' left of centerline, up to $87{ }^{\prime}$ AGL/840' MSL.
Tree 4053' from DER, $430^{\prime}$ right of centerline, $72^{\prime}$ AGL/808' MSL.
Catenary 4393' from DER, $3^{\prime}$ right of centerline, 90 ' AGL/822' MSL.

## LEWISBURG, TN

ELLINGTON (LUG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 26JUN14 (14177) (FAA)
TAKEOFF MINIMUMS:
Rwy 20, 500-23/4 or std. w/min. climb of 260' per NM to 1300.
DEPARTURE PROCEDURE:
Rwy 20, climb heading $201^{\circ}$ to 1300 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 2, trees and navaid beginning 5 ' from DER, 496' right of centerline, up to 55' AGL/765' MSL.
Navaid $8^{\prime}$ from DER, $112^{\prime}$ left of centerline, $10^{\prime}$ AGL/710' MSL.
Vehicles on road beginning $353^{\prime}$ from DER, 594' right of centerline, up to $15^{\prime}$ AGL/727' MSL.
Trees beginning 405' from DER, $569^{\prime}$ left of centerline, up to $43^{\prime}$ AGL/753' MSL.
Trees beginning 2071' from DER, 321' left of centerline, up to 89' AGL/789' MSL.
Trees and tower beginning 2182' from DER, 117' right of centerline, up to 117' AGL/798' MSL.
Rwy 20, trees and poles beginning 38' from DER, $418^{\prime}$ ' left of centerline, up to 80' AGL/790' MSL.
Sign, trees, poles, vehicles on road, windsock and buildings beginning $56^{\prime}$ from DER, $246^{\prime}$ right of centerline, up to 76 ' AGL/786' MSL.
Trees beginning 1988' from DER, $701^{\prime}$ ' left of centerline, up to 76 ' AGL/806' MSL.
Trees beginning 1857 ' from DER, $466^{\prime}$ right of centerline, up to $86^{\prime}$ AGL/806' MSL.

## TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

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LEWISPORT, KY
    HANCOCK COUNTY/RON LEWIS FLD (KY8)
    TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
    AMDT }1\mathrm{ 14JUL22 (22195) (FAA)
        TAKEOFF MINIMUMS:
            Rwy 5, 300-11/4 or std. w/min. climb gradient of 430' per NM to 700.
            Rwy 23, 400-15/8 or std. w/min. climb gradient of 350' per NM to }900
    TAKEOFF OBSTACLE NOTES:
        Rwy 5, traverse way, fence beginning 3' from DER, 368' left of centerline, up to 426' MSL.
        Trees beginning 424' from DER, 434' left of centerline, up to 468' MSL.
        Electrical system beginning 1252' from DER, 665' right of centerline, up to 29' AGL/452' MSL
        Trees beginning 1686' from DER, 696' right of centerline, up to 555' MSL.
        Electrical system, tree, building, pole beginning 2000' from DER, 134' right of centerline, up to 17' AGL/471' MSL.
        Tree, electrical system, building, terrain, vertical structure, fence beginning 2892' from DER, 21' right of centerline, up to 566'
        MSL.
        Tree, terrain beginning 3418' from DER, 8' right of centerline, up to 78' AGL/510' MSL.
        Tree 5002' from DER, 31' left of centerline, 541' MSL.
        Trees beginning 5008' from DER, 74' right of centerline, up to 559' MSL
        Tree 1 NM from DER, 465' right of centerline, 577' MSL.
        Rwy 23, trees beginning 65' from DER, 401' right of centerline, up to 437' MSL.
        Electrical system, vehicle on road, pole beginning 388' from DER, 425' right of centerline, up to 39' AGL/443' MSL.
        Pole, electrical system beginning 564' from DER, 519' left of centerline, up to 34' AGL/438' MSL.
        Trees beginning 2082' from DER, 77' left of centerline, up to 60' AGL/462' MSL.
        Trees beginning 2682' from DER, 114' left of centerline, up to 506' MSL.
        Trees beginning 2740' from DER, 23' right of centerline, up to 489' MSL.
        Trees beginning 2763' from DER, 4' left of centerline, up to 518' MSL.
        Trees beginning 3249' from DER, 6' left of centerline, up to 523' MSL.
        Trees beginning 3254' from DER, 5' right of centerline, up to 510' MSL.
        Trees beginning 3433' from DER, 16' right of centerline, up to 510' MSL
            Trees beginning 3865' from DER, 11' right of centerline, up to 509' MSL.
            Tower, antenna beginning 1.3 NM from DER, 1460' left of centerline, up to 300' AGL/770' MSL.
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## LEXINGTON, KY

BLUE GRASS (LEX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 7 23SEP10 (10266) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 4, trees beginning 301' from DER, 502' left of centerline, up to 100' AGL/1039' MSL.
Light 710' from DER, 657' right of centerline, 35' AGL/955' MSL.
Trees beginning 898' from DER, 501' right of centerline, up to 70' AGL/1041' MSL.
Trees beginning 1921' from DER, 520' left of centerline, up to 100' AGL/1042' MSL
Rwy 9, antenna on glideslope 685' from DER, 189' right of centerline, 34' AGL/1014' MSL.
Trees beginning 1521' from DER, 905' left of centerline, up to 100' AGL/1039' MSL.
Rwy 22, trees beginning 6' from DER, 494' right of centerline, up to 100' AGL/999' MSL.
Trees beginning 374' from DER, 208' left of centerline, up to 100' AGL/1019' MSL.
Pole 4382' from DER, 1383' left of centerline, 110' AGL/1080' MSL.
Rwy 27, trees beginning 15' from DER, 453' left of centerline, up to 100' AGL/1059' MSL.
Trees beginning 456' from DER, 438' right of centerline, up to 100' AGL/1049' MSL.

## LEXINGTON-PARSONS, TN

BEECH RIVER RGNL (PVE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 25OCT07 (07298) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 269' from DER, 179' right of centerline, up to 100' AGL/619' MSL.
Trees beginning 258' from DER, 224' left of centerline, up to 100' AGL/599' MSL.
Rwy 19, trees beginning 157' from DER, 259' right of centerline, up to 100' AGL/579' MSL.
Trees beginning 227' from DER, 299' left of centerline, up to 100' AGL/549' MSL.

## LIVINGSTON, TN

LIVINGSTON MUNI (8A3)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 22OCT09 (09295) (FAA)
DEPARTURE PROCEDURE:
Rwy 21, climb heading $215^{\circ}$ to 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 3, trees beginning from 173' from DER, 133' left of centerline, up to 100' AGL/1499' MSL
Trees beginning from 282' from DER, 180' right of centerline, up to 100' AGL/1439' MSL.
Rwy 21, trees beginning from 60' from DER, 186' right of centerline, up to 100' AGL/1459' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

## DIVERSE VECTOR AREA (RADAR VECTORS)

## LONDON, KY

LONDON/CORBIN/MAGEE (LOZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 02MAY13 (21140) (FAA)
TAKEOFF MINIMUMS:
Rwy 6, 500-2 or std. w/min. climb of 449' per NM to 1900.
TAKEOFF OBSTACLE NOTES:
Rwy 6, tree 53' from DER, 319' left of centerline, 40' AGL/1218' MSL.
Pole 127' from DER, 467' left of centerline, 40 ' AGL/1203' MSL.
Pole 130' from DER, $336^{\prime}$ ' left of centerline, $40^{\prime}$ AGL/1207' MSL.
Trees beginning $251^{\prime}$ ' from DER, $336^{\prime}$ ' left of centerline, up to $60^{\prime}$ AGL/1221' MSL.
Trees beginning 577 ' from DER, 337 ' right of centerline, up to 60' AGL/1216' MSL.
Trees beginning 608' from DER, $62^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/1256' MSL.
Tree 1300' from DER, $700^{\prime}$ left of centerline, 100 ' AGL/1264' MSL.
Tree 1418' from DER, 441' right of centerline, $80^{\prime}$ AGL/1228' MSL.
Trees beginning $1613^{\prime}$ from DER, $224^{\prime}$ right of centerline, up to $100^{\prime}$ AGL/1247' MSL.
Trees beginning 1.3 NM from DER, 444' left of centerline, up to 100' AGL/1419' MSL.
Trees beginning 1.5 NM from DER, $716^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/1616' MSL.
Tower 1.5 NM from DER, $1371^{\prime}$ ' left of centerline, 120' AGL/1659' MSL
Trees beginning 1.5 NM from DER, 2356' right of centerline, up to 100' AGL/1476' MSL
Trees beginning 1.6 NM from DER, $1505^{\prime}$ ' right of centerline, up to $100^{\prime}$ AGL/1644' MSL.
Rwy 24, trees beginning $5^{\prime}$ from DER, $312^{\prime}$ left of centerline, up to 60' AGL/1258' MSL.
Tree 153 ' from DER, $471^{\prime}$ ' right of centerline, 60' AGL/1258' MSL.
Power lines beginning $160^{\prime}$ from DER, $384^{\prime}$ left of centerline extending $263^{\prime}$ from DER, $536^{\prime}$ right of centerline, up to $40^{\prime}$
AGL/1249' MSL.
Trees beginning 351 ' from DER, 391' left of centerline, up to 60' AGL/1273' MSL.
Trees beginning 581' from DER, $502^{\prime}$ ' right of centerline, up to 100 ' AGL/1288' MSL.
Trees beginning 1122' from DER, 532' left of centerline, up to 100' AGL/1279' MSL.
Trees beginning $1155^{\prime}$ from DER, $76^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/1275' MSL.
Trees beginning 1249' from DER, 75 ' right of centerline, up to 100 ' AGL/1263' MSL.

## LOUISVILLE, KY

BOWMAN FLD (LOU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 16DEC10 (21168) (FAA)
TAKEOFF MINIMUMS:
Rwy 33, 300-13/4 or std. w/min. climb of 205' per NM to 900 , or alternatively, with std. takeoff minimums and a normal 200 per NM climb gradient, takeoff must occur no later than 1300' prior to DER.
TAKEOFF OBSTACLE NOTES:
Rwy 6, trees beginning 361 ' from DER, 143' left of centerline, up to 96 ' AGL/625' MSL.
Trees beginning 372' from DER, 32' right of centerline, up to 90' AGL/619' MSL.
Rwy 15, trees beginning 880' from DER, $112^{\prime}$ left of centerline, up to 69' AGL/588' MSL.
Vehicles on road and trees beginning 153' from DER, 107' right of centerline, up to 85' AGL/594' MSL.
Rwy 24, trees beginning 137' from DER, 77' left of centerline, up to 94' AGL/643' MSL.
Vehicles on road and trees beginning 189 ' from DER, 4 ' right of centerline, up to 84' AGL/643' MSL.
Tower 4828' from DER, 1728' right of centerline, 140' AGL/690' MSL.
Rwy 33, trees beginning 198' from DER, 1' left of centerline, up to 53' AGL/602' MSL.
Trees beginning 184' from DER, 264' right of centerline, up to 82' AGL/621' MSL.
Antenna on stack 1.5 NM from DER, 1421' right of centerline, 221' AGL/770' MSL.

## DIVERSE VECTOR AREA（RADAR VECTORS）

## LOUISVILLE，KY（CON＇T）

LOUISVILLE MUHAMMAD ALI INTL（SDF）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 5A 15AUG19（19227）（FAA）
TAKEOFF MINIMUMS：
Rwy 17L，std．w／min．climb of 230 ＇per NM to 1300.
Rwy 17R，std．w／min．climb of 260＇per NM to 1300.
TAKEOFF OBSTACLE NOTES：
Rwy 11，tree，sign，vehicle on road，beginning 755＇from DER，210＇left of centerline，up to $35^{\prime}$ AGL／507＇MSL．
Trees，beginning 1025＇from DER，416＇right of centerline，up to 65＇AGL／533＇MSL．
Tree 1109 ＇from DER， 542 ＇left of centerline， 48 ＇AGL／520＇MSL．
Trees，beginning $1127^{\prime}$ from DER， $218^{\prime}$ left of centerline，up to 59 ＇AGL／532＇MSL．
Trees，beginning $1454^{\prime}$ from DER， $298^{\prime}$ left of centerline，up to $66^{\prime}$ AGL／538＇MSL．
Trees，beginning 1468 ＇from DER， $776^{\prime}$＇right of centerline，up to 83 ＇AGL／551＇MSL．
Trees，beginning 1558 ＇from DER，301＇left of centerline，up to 89＇AGL／561＇MSL．
Trees，beginning 1674 ＇from DER， 247 ＇left of centerline，up to 98 ＇AGL／571＇MSL．
Tree 2427＇from DER， 489 ＇right of centerline， $85^{\prime}$ AGL／554＇MSL．
Tree 2905＇from DER， 876 ＇right of centerline，91＇AGL／556＇MSL．
Trees，beginning $2948^{\prime}$ from DER， 563 ＇right of centerline，up to $112^{\prime}$ AGL／578＇MSL．
Rwy 17L，pole 327＇from DER，511＇left of centerline，32＇AGL／493＇MSL．
Tree，sign beginning 421＇from DER，301＇left of centerline，up to 507＇MSL．
NAVAID 497＇from DER，298＇right of centerline，22＇AGL／485＇MSL．
Pole 622＇from DER， 642 ＇right of centerline， 32 ＇AGL／496＇MSL．
Tree，pole beginning 1431 ＇from DER， $542^{\prime}$＇left of centerline，up to 560 ＇MSL．
Rwy 17R，pole 665＇from DER， $334^{\prime}$ left of centerline， $496^{\prime}$ MSL．
Transmission line，pole beginning 747＇from DER，666＇right of centerline，up to 48＇AGL／505＇MSL．
Transmission line 2392＇from DER，939＇left of centerline，70＇AGL／531＇MSL．
Rwy 29，terrain beginning $144^{\prime}$ from DER， $316^{\prime}$ left of centerline，up to $484^{\prime}$ MSL．
NAVAID，tower，tree beginning 473 ＇from DER， 72 ＇right of centerline，up to 51＇AGL／530＇MSL．
Tree，pole beginning 691＇from DER，217＇left of centerline，up to 41＇AGL／520＇MSL．
Tree，pole，transmission line beginning 1067＇from DER， 87 ＇right of centerline，up to 55＇AGL／531＇MSL．
Tree，stack beginning 1169＇from DER，285＇left of centerline，up to 60＇AGL／539＇MSL．
Tree，pole，building beginning $1257^{\prime}$ from DER， $1^{\prime}$ left of centerline，up to $550^{\prime}$ MSL．
Tree，pole beginning $1288^{\prime}$ from DER， $31^{\prime}$ right of centerline，up to $533^{\prime}$ MSL．
Trees beginning 1779＇from DER，33＇right of centerline，up to 60＇AGL／534＇MSL．
Trees beginning $1880^{\prime}$ from DER， $24^{\prime}$ right of centerline，up to 69＇AGL／546＇MSL．
Trees beginning 1979＇from DER，220＇right of centerline，up to 82＇AGL／560＇MSL．
Tree 2247＇from DER，641＇right of centerline， $96^{\prime}$ AGL／574＇MSL．
Trees beginning 3664＇from DER，65＇left of centerline，up to 107＇AGL／588＇MSL．
Rwy 35L，electrical system $262^{\prime}$ from DER， $262^{\prime}$ left of centerline， $500^{\prime}$ MSL．
Pole 274 ＇from DER， 489 ＇right of centerline， $36^{\prime}$ AGL／510＇MSL．
Pole 418＇from DER， 451 ＇right of centerline， $38^{\prime}$ AGL／516＇MSL．
Pole 690＇from DER， 117 ＇left of centerline， $35^{\prime}$ AGL／509＇MSL．
Pole $815^{\prime}$ from DER， $228^{\prime}$＇right of centerline， $40^{\prime}$＇AGL／526＇MSL．
Tree $915^{\prime}$ from DER， $512^{\prime}$ left of centerline， $524^{\prime}$ MSL．
Pole $1245^{\prime}$＇from DER， $396^{\prime}$＇left of centerline， $40^{\prime}$ AGL／528＇MSL．
Pole 1395＇from DER，791＇left of centerline， 46 ＇AGL／538＇MSL．
Tree 1600 ＇from DER， 258 ＇right of centerline， $545^{\prime}$ MSL．
Tree 2547 ＇from DER， 678 ＇right of centerline，560＇MSL．
Roller coaster 2950＇from DER，237＇right of centerline，100＇AGL／571＇MSL．
Rwy 35R，pole 542＇from DER，457＇right of centerline，23＇AGL／519＇MSL．
Pole 721＇from DER，303＇right of centerline，31＇AGL／522＇MSL．
Tree 2272 ＇from DER， $610^{\prime}$＇right of centerline， $562^{\prime}$ MSL．
Tree $2403^{\prime}$ from DER， 945 ＇right of centerline，580＇MSL．

## MADISONVILLE，KY

MADISONVILLE RGNL（210）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 14FEB08（08045）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 5，Vehicle on road 163 ＇from DER， $525^{\prime}$＇right of centerline，15＇AGL／434＇MSL． Vehicle on road 466＇from DER，597＇left of centerline，15＇AGL／454＇MSL．
Rwy 23，Vehicle on road 563＇from DER，608＇right of centerline，15＇AGL／464＇MSL． Pole 910＇from DER，590＇left of centerline，98＇AGL／537＇MSL．

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## MEMPHIS, TN

GENERAL DEWITT SPAIN (M01)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 08MAR12 (12068) (FAA)
TAKEOFF MINIMUMS:
Rwy 17, std. w/min. climb of 280' per NM to 1000 , or $1100-2 \frac{1}{2}$ for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 17, climb heading $167^{\circ}$ to 1000 before proceeding on course, or for climb in visual conditions, cross General Dewitt
Spain Airport at or above 1200 before proceeding on course.
Rwy 35, climb heading $347^{\circ}$ to 1000 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 17, vehicles on roadway 354' from DER, 51' left and right of centerline, up to 15' AGL/239' MSL.
Trees beginning 107' from DER, 491' left of centerline, up to 100' AGL/319' MSL.
Tower 2.7 NM from DER, 3133' right of centerline, 465' AGL/735' MSL.
Rwy 35, trees beginning $15^{\prime}$ from DER, 388' right of centerline, up to 100' AGL/324' MSL.
Trees beginning 1116' from DER, 17' left of centerline, up to 100' AGL/324' MSL.
Rising terrain 2268' from DER, 592' left of centerline, 285' MSL.

TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）

Tower 5066＇from DER，1033＇left of centerline，198＇AGL／1335＇MSL．
Trees 1 NM from DER，1354＇right of centerline，100＇AGL／1379＇MSL．
Trees 1.67 NM from DER，1900＇left of centerline，100＇AGL／1599＇MSL．
Numerous trees beginning 2 NM from DER，3200＇left and right of centerline，upsloping on Cumberland Mountain，up to 100＇ AGL／2499＇MSL．
200＇AAO 3．15 NM from DER，1191＇left of centerline，200＇AGL／2899＇MSL．
MILLINGTON，TN
CHARLES W BAKER（2M8）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES AMDT 1 25AUG11（11237）（FAA）
DEPARTURE PROCEDURE：
Rwy 18，climb heading $185^{\circ}$ to 1500 before turning left．
TAKEOFF OBSTACLE NOTES：
Rwy 18，trees beginning 164＇from DER，423＇right of centerline，up to 100＇AGL／329＇MSL．
Trees beginning 1292＇from DER，496＇left of centerline，up to 100＇AGL／379＇MSL．
Power line and poles beginning 2114＇from DER，left to right of centerline，up to $105^{\prime}$ AGL／331＇MSL．
Rwy 36，trees beginning 173＇from DER，500＇right of centerline，up to 100＇AGL／368＇MSL．
Trees beginning 2377＇from DER， $19^{\prime}$ left of centerline，up to 100＇AGL／352＇MSL．

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 03MAY12 (12124) (FAA)
TAKEOFF MINIMUMS:
Rwy 3, 300-11/4.
Rwy 21, std. w/min. climb of 275' per NM to 1900 or 1400-3 for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 3, climb heading $039^{\circ}$ to 1700 before proceeding on course.
Rwy 21, climb heading $219^{\circ}$ to 2000 before proceeding on course or for climb in visual conditions, cross Wayne County
airport at or above 2200 before proceeding on course. When executing VCOA, notify ATC prior to departure.
TAKEOFF OBSTACLE NOTES:
Rwy 3, trees beginning 1292' from DER, 533' right of centerline, up to 100' AGL/1139' MSL.
Trees beginning $1459^{\prime}$ from DER, $16^{\prime}$ left of centerline, up to 100' AGL/1179' MSL.
Vehicles on roadway beginning 1402' from DER, 329' right of centerline, up to 17' AGL/1096' MSL.
Rwy 21, vehicles on roadway beginning 570' from DER, 469' left of centerline, up to 17' AGL/996' MSL.
Trees beginning 932' from DER, 285' right of centerline, up to 100' AGL/1059' MSL.
Trees beginning $1254^{\prime}$ from DER, 200' left of centerline, up to $100^{\prime}$ AGL/1059' MSL.

## MOREHEAD, KY

MOREHEAD - ROWAN COUNTY CLYDE A. THOMAS RGNL (SYM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18SEP14 (14261) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 2, trees 777' from DER, 494' left of centerline, up to 77' AGL/1096' MSL.
Trees beginning 5041' from DER, 1228' right of centerline, 100' AGL/1139' MSL.
Rwy 20, vehicles on roadway, beginning 7' from DER, left and right of centerline, up to 15' AGL/1054' MSL.
Trees 432' from DER, 534' right of centerline, up to 75' AGL/1054' MSL.
Trees 1595' from DER, 716' left of centerline, up to 71' AGL/1090' MSL.
Trees beginning 3093' from DER, 954' right of centerline, up to 100' AGL/1159' MSL.
Tree 5021' from DER, 1767' right of centerline, 100' AGL/1179' MSL.

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# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND ( VIVERSE VECTOR AREA (RADAR VECTORS)
    MORRISTOWN, TN
    MOORE-MURRELL (MOR)
    TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
    AMDT 6A 25FEB21 (21056) (FAA)
        TAKEOFF MINIMUMS:
            Rwy 5, std. w/ min. climb of 375' per NM to 3700, or 1200-3 for VCOA.
            DEPARTURE PROCEDURE:
            Rwy 5, for climb in visual conditions cross Moore-Murrell Airport at or above 2200 then via VXV VORTAC R-060 inbound to
            4 0 0 0 \text { before proceeding on course.}
            Rwy 23, climb heading 233 and VXV VORTAC R-060 inbound to 4000 before proceeding on course.
        VCOA:
            Rwy 5, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Moore-Murrell
            Airport at or above 2400 then on VXV VORTAC R-060 inbound to 4000 before proceeding on course.
            TAKEOFF OBSTACLE NOTES:
            Rwy 5, pole 2187' from DER, 517' right of centerline, up to 16' AGL/1356' MSL
            Vehicle on road 2019' from DER, 1018' left of centerline, up to 17' AGL/1337' MSL.
            Windsock 66' from DER, 189' left of centerline, up to 8' AGL/1282' MSL.
            Railroad at DER, 295' right of centerline, up to 15' AGL/1288' MSL.
            Trees beginning 1065' from DER, 464' left of centerline, up to 54' AGL/1414' MSL.
            Trees beginning 191' from DER, 274' right of centerline, up to 51' AGL/1311' MSL.
            Rwy 23, pole 1442' from DER, 451' right of centerline, up to 54' AGL/1367' MSL.
            Vehicle on road 23' from DER, 337' left of centerline, up to 17' AGL/1367' MSL.
            Vehicle on road 1246' from DER, 113' right of centerline, up to 17' AGL/1369' MSL.
            Trees beginning 1774' from DER, 753' right of centerline, up to 100' AGL/1460' MSL.
            Buildings 1583' from DER, 690' right of centerline, up to 30' AGL/1370' MSL.
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MOUNT STERLING, KY
MOUNT STERLING/MONTGOMERY COUNTY (IOB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08APR10 (22027) (FAA)
TAKEOFF MINIMUMS:
Rwy 3, 500-3 or std. w/min. climb of 225' per NM to 1600.
TAKEOFF OBSTACLE NOTES:
Rwy 3, tower 2.6 NM from DER, 1674' right of centerline, 415' AGL/1425' MSL.
Trees beginning 33' from DER, 494' left of centerline, up to 100' AGL/1029' MSL.
Trees beginning 271' from DER, 568' right of centerline, up to 100' AGL/1019' MSL
Rwy 21, trees beginning at DER, 289' left of centerline, up to 100' AGL/1149' MSL.
Trees beginning 301' from DER, 380' right of centerline, up to 100' AGL/1109' MSL.
MOUNTAIN CITY, TN
JOHNSON COUNTY (6A4)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 25FEB21 (21056) (FAA)
TAKEOFF MINIMUMS:
Rwys 6, 24, 3500-3 for VCOA.
VCOA:
All Rwys, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Johnson
County Airport at or above 5600 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 6, trees 36' from DER, 304' right of centerline, 100' AGL/2330' MSL.
Vehicles on road 854' from DER, 668'right of centerline, up to 15' AGL/2374' MSL.
Trees 1544' from DER, 851' left of centerline, 100' AGL/2341' MSL.
Trees, tower beginning 1806' from DER, 347' right of centerline, up to 100' AGL/2480' MSL.
Rwy 24, vehicles on road 44' from DER, 239' left of centerline, up to 15' AGL/2256' MSL.
Trees, vehicles on road beginning 145' from DER, 319' left of centerline, up to 100' AGL/2341' MSL.
Trees beginning 646' from DER, 168 ' right of centerline, up to 100 ' AGL/2341' MSL.
MURFREESBORO, TN
MURFREESBORO MUNI (MBT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 29MAR18 (18088) (FAA)
TAKEOFF MINIMUMS:
Rwy 18, 400-212, or std. w/ min. climb of 205' per NM to 1000.
DEPARTURE PROCEDURE:
Rwy 18, climb heading $184^{\circ}$ to 1300 before turning right
TAKEOFF OBSTACLE NOTES:
Rwy 18, trees and building beginning 194' from DER, $113^{\prime}$ left of centerline, up to $661^{\prime}$ MSL.
Trees beginning 1487' from DER, 140' right and 1084' left of centerline, up to 688' MSL.
Tower 1.9 NM from DER, 3202' right of centerline, 335' AGL/917' MSL.
Rwy 36, trees beginning 357' from DER, 100' right of centerline, up to 654' MSL.
Poles beginning 637' from DER, 488' left of centerline, up to 72' AGL/674' MSL.

## NASHVILLE，TN

JOHN C TUNE（JWN）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 150CT15（15288）（FAA）
TAKEOFF MINIMUMS：
Rwy 2，std．w／min．climb of 207＇per NM to 1500，or alternatively，with standard takeoff minimums and a normal 200＇per NM climb gradient，departure must occur no later than 1900＇prior to DER．
DEPARTURE PROCEDURE：
Rwy 2，climb heading $018^{\circ}$ to 2300 before turning right．
Rwy 20，climb heading $198^{\circ}$ to 2400 before proceeding on course．
VCOA：
Rwy 2，obtain ATC approval for climb in visual conditions when requesting IFR clearance．Climb in visual conditions to Cross John C Tune Airport at or above 2300 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 2，rising terrain beginning 454＇from DER，from 492＇left of centerline to $233^{\prime}$ right of centerline，up to 539＇MSL．
Trees beginning $838^{\prime}$ from DER，from 633＇right of centerline，up to 68＇AGL／548＇MSL．
Trees beginning $1326^{\prime}$ from DER，from $693^{\prime}$ left of centerline，up to $56^{\prime}$＇AGL／556＇MSL．
Trees beginning 1607 ＇from DER，from 627＇left of centerline，up to $86^{\prime}$ AGL／565＇MSL．
Trees beginning， 1918 ＇from DER，from $554^{\prime}$ left of centerline，up to $86^{\prime}$ AGL／574＇MSL．
Rwy 20，runway end lights beginning 10 ＇from DER， $10^{\prime}$ right of centerline and 11 ＇left of centerline，3＇AGL／459＇MSL．
Trees beginning $1145^{\prime}$ from DER，from 490＇left of centerline，up to 62＇AGL／502＇MSL．
Trees beginning $1655^{\prime}$ from DER，left and right of centerline，up to $88^{\prime}$ AGL／508＇MSL．
Transmission towers beginning 2983＇from DER，from $746^{\prime}$ left of centerline，up to 144＇AGL／550＇MSL．

## NASHVILLE INTL（BNA）

TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 8 15NOV12（12320）（FAA）
TAKEOFF MINIMUMS：
Rwy 31，std．w／min．climb of 240＇per NM to 2600.
DEPARTURE PROCEDURE：
Rwy 20L，climb heading $201^{\circ}$ to 1400 before turning right．
Rwys 20C，20R climb heading $201^{\circ}$ to 1800 before turning right．
TAKEOFF OBSTACLE NOTES：
Rwy 2L，trees beginning 203＇from DER，489＇right of centerline，up to 60＇AGL／576＇MSL．
Rwy 13，blast fence obstruction light $335^{\prime}$ from DER， 64 ＇left of centerline，6＇AGL／595＇MSL．
Trees beginning 2852＇from DER， $28^{\prime}$＇right of centerline，up to 60＇AGL／685＇MSL．
Pole 3761＇from DER， $726^{\prime}$＇right of centerline， $60^{\prime}$ AGL／689＇MSL．
Rwy 20C，trees beginning 2089＇from DER，934＇right of centerline，up to 60＇AGL／623＇MSL．
Rwy 20L，trees beginning $1844^{\prime}$ from DER， 720 left of centerline，up to 60＇AGL／639＇MSL．
Rwy 20R，flagpole 1298＇from DER，777＇right of centerline，37＇AGL／636＇MSL．
Building 2183＇from DER，1083＇right of centerline，91＇AGL／680＇MSL．
Rwy 31，ground 2 ＇from DER，498＇left of centerline， $541^{\prime}$ MSL．
LOC obstruction light 303 ＇from DER，on centerline，48＇AGL／547＇MSL．
Blast fence obstruction light 382＇from DER， 50 ＇left of centerline，30＇AGL／569＇MSL．
Trees beginning 789＇from DER，331＇right of centerline，up to 60＇AGL／602＇MSL．
Pole 1012＇from DER，429＇left of centerline，29＇AGL／578＇MSL．
Transmission tower 1882 ＇from DER， 219 ＇right of centerline，61＇AGL／610＇MSL．
Pole 2037＇from DER， $422^{\prime}$ right of centerline， 47 ＇AGL／596＇MSL．
Transmission tower 2778＇from DER， $83^{\prime}$ left of centerline， $91^{\prime}$ AGL／630＇MSL．

## ONEIDA，TN

SCOTT MUNI（SCX）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 03OCTO2（02276）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 5，tree 2800＇from DER，600＇right of centerline，69＇AGL／1605＇MSL．
Rwy 23，pole 950＇from DER，on centerline，42＇AGL／1575＇MSL．
Power line $2938^{\prime}$ from DER， $450^{\prime}$ right of centerline， $142^{\prime}$ AGL／1660＇MSL．
TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）
OWENSBORO，KY
OWENSBORO／DAVIESS COUNTY RGNL（OWB）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 5B 25FEB21（22027）（FAA）
TAKEOFF MINIMUMS：
Rwy 36，400－2 or std．w／min．climb of 340＇per NM to 1000.
DEPARTURE PROCEDURE：
Rwy 36，climb heading $002^{\circ}$ to 1000 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 6，building，pole beginning 288＇from DER，455＇left of centerline，up to 444＇MSL．
Tree 1489＇from DER，428＇right of centerline，448＇MSL．
Trees beginning 1546＇from DER，463＇right of centerline，up to 454＇MSL．
Pole beginning 1835＇from DER，204＇left of centerline，up to 45＇AGL／452＇MSL．
Pole 1863＇from DER，412＇left of centerline，49＇AGL／457＇MSL．
Trees beginning 1898＇from DER，350＇left of centerline，up to 461＇MSL．
Tree 2130＇from DER，700＇right of centerline，53＇AGL／458＇MSL
Tree 2191＇from DER，533＇left of centerline，57＇AGL／465＇MSL．
Trees beginning 2282＇from DER，482＇left of centerline，up to 468＇MSL．
Tree 2364＇from DER，642＇left of centerline，474＇MSL
Spire 2403＇from DER，894＇left of centerline，85＇AGL／491＇MSL．
Tree 2498＇from DER，494＇right of centerline，468＇MSL．
Tree 2654＇from DER，628＇right of centerline，64＇AGL／470＇MSL．
Tree 2714＇from DER，599＇right of centerline， $471^{\prime}$ MSL．
Rwy 18，terrain 224＇from DER，555＇right of centerline，403＇MSL．
Rwy 24，trees beginning 1281＇from DER，726＇right of centerline，up to 79＇AGL／479＇MSL．
Trees beginning 2223 ＇from DER， 82 ＇right of centerline，up to 482 ＇MSL．
Tree 2589＇from DER，963＇left of centerline，71＇AGL／471＇MSL．
Tree 2952＇from DER，1290＇left of centerline， $86^{\prime}$ AGL／485＇MSL．
Rwy 36，tank，building beginning 395＇from DER，544＇left of centerline，up to 19＇AGL／433＇MSL．
Trees beginning 478＇from DER，500＇right of centerline，up to 435＇MSL．
Tree 940＇from DER，496＇left of centerline，443＇MSL．
Tree 1035＇from DER，502＇right of centerline，439＇MSL．

## PADUCAH，KY <br> BARKLEY RGNL（PAH）

TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES AMDT 4 25FEB21（21056）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 5，tree 75＇from DER，299＇left of centerline，14＇AGL／389＇MSL．
Vegetation 131＇from DER，247＇left of centerline，395＇MSL．
Trees，beginning 289＇from DER，475＇left of centerline，up to 74＇AGL／449＇MSL．
Tree 696＇from DER，590＇right of centerline，427＇MSL．
Trees，pole，electrical system，beginning 938＇from DER，2＇right of centerline，up to 86＇AGL／469＇MSL．
Tree 1702＇from DER，489＇left of centerline，452＇MSL．
Trees，beginning 1894＇from DER，441＇left of centerline，up to 96＇AGL／463＇MSL
Trees，beginning 2014＇from DER，4＇left of centerline，up to 104＇AGL／470＇MSL．
Tree 3508＇from DER，883＇right of centerline，102＇AGL／474＇MSL．
Rwy 14，terrain 3＇from DER，497＇right of centerline，413＇MSL．
Tree 142＇from DER，287＇right of centerline，13＇AGL／420＇MSL
Tree 223＇from DER，271＇right of centerline，23＇AGL／427＇MSL．
Tree 1000＇from DER，205＇right of centerline，57＇AGL／437＇MSL
Tree 1104＇from DER，396＇right of centerline， 83 ＇AGL／462＇MSL．
Trees beginning 1143＇from DER，14＇right of centerline，up to 89＇AGL／469＇MSL
Tree 1160＇from DER，413＇left of centerline，101＇AGL／481＇MSL．
Trees beginning 1245＇from DER，63＇left of centerline，up to 99＇AGL／483＇MSL．
Trees beginning 1665＇from DER，50＇right of centerline，up to 69＇AGL／471＇MSL
Trees beginning 1740＇from DER， 13 ＇right of centerline，up to 87＇AGL／489＇MSL
Trees beginning 1933＇from DER，56＇left of centerline，up to 99＇AGL／491＇MSL．
Trees beginning 1947＇from DER，4＇left of centerline，up to 90＇AGL／495＇MSL．
Trees beginning 2483＇from DER，276＇right of centerline，up to 69＇AGL／504＇MSL．
Tree 2559＇from DER， 1068 ＇right of centerline，78＇AGL／514＇MSL．
Trees beginning 2837＇from DER，36＇left of centerline，up to 89＇AGL／498＇MSL．
Trees beginning 2873＇from DER，265＇right of centerline，up to 91＇AGL／536＇MSL．
Trees beginning 2966＇from DER， $120^{\prime}$＇left of centerline，up to 92＇AGL／504＇MSL
Trees beginning 3024＇from DER，11＇left of centerline，up to 94＇AGL／506＇MSL．
Trees beginning 3041＇from DER，67＇left of centerline，up to 93＇AGL／510＇MSL．
Trees beginning 3367＇from DER，178＇right of centerline，up to 101＇AGL／544＇MSL．
Trees beginning 3818＇from DER，498＇left of centerline，up to 93＇AGL／519＇MSL．
Tree 3987＇from DER，642＇left of centerline，91＇AGL／520＇MSL．
Trees beginning 5038＇from DER，962＇right of centerline，up to 113＇AGL／553＇MSL．
CON＇T
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

## PADUCAH, KY (CON'T)

BARKLEY RGNL (PAH) (CON'T)
Rwy 23, vegetation 3' from DER, 423' right of centerline, 17' AGL/426' MSL
Trees beginning $24^{\prime}$ from DER, 408 ' right of centerline, up to $43^{\prime}$ AGL/445' MSL.
Tree $442^{\prime}$ from DER, $570^{\prime}$ right of centerline, $33^{\prime}$ AGL/452' MSL
Tree 572 ' from DER, 629 ' left of centerline, 467 ' MSL.
Tree 576' from DER, 602' right of centerline, 32' AGL/457' MSL
Trees beginning 971 ' from DER, 582 ' left of centerline, up to $73^{\prime}$ AGL/483' MSL
Tree, traverses ways beginning $975^{\prime}$ from DER, 651' right of centerline, up to 53' AGL/466' MSL.
Trees beginning 1414' from DER, $812^{\prime}$ right of centerline, up to $56^{\prime}$ AGL/494' MSL.
Trees beginning 2629' from DER, 963' left of centerline, up to $95^{\prime}$ AGL/513' MSL.
Tree 2970' from DER, 1263' left of centerline, 93' AGL/514' MSL.
Trees beginning 3940' from DER, 359 ' left of centerline, up to 67' AGL/517' MSL.
Tree 4238 ' from DER, $216^{\prime}$ ' left of centerline, $56^{\prime}$ AGL/518' MSL.
Trees beginning $4363^{\prime}$ ' from DER, $416^{\prime}$ ' left of centerline, up to $82^{\prime}$ AGL/528' MSL
Rwy 32, terrain 18 ' from DER, 452' left of centerline, 393' MSL.
Tree 217 ' from DER, 386 ' right of centerline, $28^{\prime}$ AGL/416' MSL.
Tree $376^{\prime}$ ' from DER, $533^{\prime}$ right of centerline, $458^{\prime}$ MSL
Trees, pole beginning $378^{\prime}$ from DER, $380^{\prime}$ ' right of centerline, up to $83^{\prime}$ AGL/460' MSL.
Tree 507 ' from DER, 363 ' left of centerline, $30^{\prime}$ AGL/422' MSL.
Tree, pole beginning 611' from DER, 23' right of centerline, up to 82' AGL/463' MSL.
Tree $812^{\prime}$ from DER, $326^{\prime}$ left of centerline, $46^{\prime}$ AGL/432' MSL.
Tree 886 ' from DER, 477 ' left of centerline, 65 ' AGL/437' MSL.
Trees beginning 1066' from DER, 226' left of centerline, up to 71' AGL/444' MSL.
Trees beginning 1605' from DER, $5^{\prime}$ left of centerline, up to 97 ' AGL/459' MSL.
Trees beginning 1976' from DER, 442' right of centerline, up to 89' AGL/467' MSL.
Trees beginning 2289' from DER, 475 ' right of centerline, up to 104' AGL/471' MSL.
Tree 2519' from DER, 14 ' left of centerline, $88^{\prime}$ AGL/460' MSL.
Trees beginning 2532 ' from DER, 6 ' left of centerline, up to 87 ' AGL/464' MSL.
Tree 2687' from DER, 1041' right of centerline, 102' AGL/482' MSL.
Trees beginning 2689' from DER, 531 ' left of centerline, up to $90^{\prime}$ AGL/468' MSL.
Tree 2999' from DER, 174 ' left of centerline, 103' AGL/469' MSL.
Trees beginning 3022' from DER, $113^{\prime}$ right of centerline, up to $132^{\prime}$ AGL/487' MSL.
Trees beginning $3187^{\prime}$ from DER, $356^{\prime}$ right of centerline, up to $143^{\prime}$ AGL/497' MSL.

## PARIS, TN

## HENRY COUNTY (PHT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11MAR10 (10070) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 2, vehicle on road 772' from DER, 93 ' right of centerline, up to 15' AGL/589' MSL.
Trees beginning 1232 ' from DER, $258^{\prime}$ left of centerline, up to $100^{\prime}$ AGL/669' MSL.
Rwy 20, tree 2808' from DER, 630' right of centerline, 80' AGL/651' MSL.
Rising terrain beginning 274 ' from DER, 388 ' left of centerline, 604 ' MSL.

PIKEVILLE, KY
PIKE COUNTY/HATCHER FLD (PBX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07MAY09 (21336) (FAA)
TAKEOFF MINIMUMS:
Rwy 9, 300-1 or std. w/min. climb of 453' per NM to 2300 or 1000-3 for climb in visual conditions.
DEPARTURE PROCEDURE:
Rwy 9, for climb in visual conditions: cross Pike County/Hatcher Fld airport at or above 2300 before proceeding on course. TAKEOFF OBSTACLE NOTES:
Rwy 9, tree 4788' from DER, 1173' right of centerline, 20' AGL/1739' MSL.
Multiple trees beginning 2702' from DER, 654' left of centerline and 965' right of centerline, up to 20' AGL/1770' MSL.

## PINE KNOT, KY

MC CREARY COUNTY (18I)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13NOV14 (14317) (FAA)
DEPARTURE PROCEDURE:
Rwy 4, climb heading $040^{\circ}$ to 1900 before turning right.
Rwy 22, climb heading $220^{\circ}$ to 2000 before turning left.
TAKEOFF OBSTACLE NOTES:
Rwy 4, trees beginning 73' from DER, $15^{\prime}$ left of centerline, 218' right of centerline, up to 100' AGL/1439' MSL.
Rwy 22, trees beginning 473' from DER, 189' left of centerline, 380' right of centerline, up to 100' AGL/1499' MSL.

24025
TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND
DIVERSE VECTOR AREA（RADAR VECTORS）
PORTLAND，TN
DOUGLAS HUNTER FLD（1M5）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 02AUG07（23054）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 1，tree 501＇from DER，180＇right of centerline，100＇AGL／839＇MSL．
Tree 1564＇from DER，507＇left of centerline，100＇AGL／839＇MSL．
Rwy 19，multiple trees 673＇from DER， $83^{\prime}$ right of centerline，up to 100＇AGL／919＇MSL．

## PRESTONSBURG，KY

BIG SANDY RGNL（SJS）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 3 30NOV23（23334）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 3，sign，light poles beginning $22^{\prime}$ from DER， 89 ＇left of centerline，up to 2＇AGL／1222＇MSL．
Tree 30＇from DER， 153 ＇right of centerline，1223＇MSL．
Trees beginning $145^{\prime}$ from DER， $400^{\prime}$ left of centerline，up to $1263^{\prime}$ MSL．
Rwy 21，tree $52^{\prime}$ from DER，369＇left of centerline， $1173^{\prime}$ MSL．
Trees beginning 68＇from DER， $36^{\prime}$ left of centerline，up to 1203 ＇MSL．
Trees，pole，transmission line beginning 197＇from DER，136＇right of centerline，up to 1226＇MSL．
Trees beginning 1019 ＇from DER，205＇left of centerline，up to $1219^{\prime}$ MSL
Tree $1203^{\prime}$ from DER， $716^{\prime}$ left of centerline， 1230 ＇MSL．
Trees beginning $1243^{\prime}$ from DER， $433^{\prime}$ left of centerline，up to 1235 ＇MSL
Trees，transmission lines，terrain，poles，vehicles on roadway，utility building，electrical systems beginning 1316 ＇from DER， 6 ＇left of centerline，up to 1261 ＇MSL．
Tree $1370^{\prime}$ from DER， $84^{\prime}$ right of centerline， $1228^{\prime}$ MSL．
Pole，trees beginning 1393 ＇from DER， $170^{\prime}$＇right of centerline，up to 41 ＇AGL／1247＇MSL．
Poles，vehicles on roadway，trees，terrain，utility building beginning $1527^{\prime}$ from DER， 11 ＇right of centerline，up to 38 ＇ AGL／1252＇MSL．
Pole 2085＇from DER， 74 ＇right of centerline，31＇AGL／1259＇MSL．
Transmission lines，trees，electrical system，pole beginning 2127＇from DER， 98 ＇right of centerline，up to 56＇AGL／1262＇ MSL．
Trees，electrical system beginning 2294＇from DER，53＇right of centerline，up to 1269＇MSL．
Electrical system 2591＇from DER， $724^{\prime}$＇left of centerline，49＇AGL／1271＇MSL．
Electrical system 2631＇from DER， 560 ＇left of centerline， 52 ＇AGL／1273＇MSL．
Pole，trees，transmission lines，terrain beginning 2645＇from DER， $74^{\prime}$ left of centerline，up to 68＇AGL／1284＇MSL．
Terrain beginning 4077＇from DER， $1393^{\prime}$ left of centerline，up to 1287 ＇MSL．

## PRINCETON，KY

PRINCETON－CALDWELL COUNTY（2MO）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 25JUL13（13206）（FAA）
TAKEOFF MINIMUMS：
Rwy 5，300－13／4 or std．w／min．climb of 280＇per NM to 900.
TAKEOFF OBSTACLE NOTES：
Rwy 5，trees beginning $14^{\prime}$ from DER， 434 ＇right of centerline，up to 100＇AGL／779＇MSL．
Trees beginning $314^{\prime}$ from DER， $371^{\prime}$＇left of centerline，up to $58^{\prime}$ AGL／577＇MSL．
Rwy 23，structures and terrain beginning $11^{\prime}$ from DER， 198 ＇right of centerline，up to 4＇AGL／599＇MSL．
Structures and terrain beginning 40＇from DER，249＇left of centerline，up to 4＇AGL／593＇MSL．
Trees beginning $385^{\prime}$ from DER， $48^{\prime}$＇right of centerline，up to $73^{\prime}$ AGL／622＇MSL．
Trees beginning 421＇from DER，350＇left of centerline，up to 68＇AGL／647＇MSL．
Utility poles beginning 764＇from DER，176＇right of centerline，up to $33^{\prime}$ AGL／613＇MSL．
Trees beginning $1170^{\prime}$ from DER, 587 ' left of centerline, up to 694' MSL.
Poles beginning 1435 ' from DER, 137 ' right of centerline, up to 64 ' AGL/705' MSL.
Trees beginning $5236^{\prime}$ from DER, 308 ' right of centerline, up to $778^{\prime}$ MSL.
Trees beginning 1.3 NM from DER, $1795^{\prime}$ right of centerline, up to 100' AGL/871' MSL.
Trees beginning 1.4 NM from DER, 1783 ' right of centerline, up to 942 ' MSL.
Trees beginning 1.5 NM from DER, $2784^{\prime}$ left of centerline, up to $943^{\prime}$ MSL.
Trees beginning 1.7 NM from DER, 2610' left of centerline, up to $948^{\prime}$ MSL.
Rwy 34, trees beginning $3^{\prime}$ from DER, $189^{\prime}$ left of centerline, up to $756^{\prime}$ MSL.
Trees beginning 2912' from DER, 769 ' right of centerline, up to 792' MSL.
Tree 3226 ' from DER, 1060 ' right of centerline, $811^{\prime}$ MSL.
Trees beginning $3269^{\prime}$ from DER, 536 ' right of centerline, up to $814^{\prime}$ MSL.
Trees beginning $3416^{\prime}$ from DER, $353^{\prime}$ right of centerline, up to $824^{\prime}$ MSL.
Trees beginning $3432^{\prime}$ from DER, $540^{\prime}$ left of centerline, up to $780^{\prime}$ MSL
Trees beginning 3444' from DER, $390^{\prime}$ left of centerline, up to 782' MSL.
Tree $3566^{\prime}$ from DER, $701^{\prime}$ left of centerline, 790 ' MSL.
Trees beginning $3588^{\prime}$ from DER, 391' left of centerline, up to $802^{\prime}$ MSL.
Trees beginning $3596^{\prime}$ from DER, 445 ' right of centerline, up to $848^{\prime}$ MSL.
Trees beginning $3656^{\prime}$ from DER, 847 ' left of centerline, up to $810^{\prime}$ MSL
Trees beginning $3665^{\prime}$ from DER, $842^{\prime}$ right of centerline, up to $868^{\prime}$ MSL.
Trees beginning $3749^{\prime}$ from DER, $9^{\prime}$ right of centerline, up to 873 ' MSL.
Tree $3826^{\prime}$ from DER, 561 ' left of centerline, 823 ' MSL.
Trees beginning 3859' from DER, $856^{\prime}$ ' left of centerline, up to 833 ' MSL.
Trees beginning 3878 ' from DER, 137 ' left of centerline, up to $841^{\prime}$ MSL.
Trees beginning 4052' from DER, $163^{\prime}$ ' left of centerline, up to $860^{\prime}$ MSL.
Trees beginning 4080' from DER, 671' left of centerline, up to 880' MSL.
Trees beginning $4165^{\prime}$ from DER, 427 ' right of centerline, up to 883 ' MSL.
Tree 4197' from DER, 377 ' right of centerline, 887 ' MSL.
Tree 4251' from DER, 17' left of centerline, 899' MSL.
Trees beginning $4256^{\prime}$ from DER, $200^{\prime}$ left of centerline, up to $916^{\prime}$ MSL.
Trees beginning 4276' from DER, $576^{\prime}$ left of centerline, up to $932^{\prime}$ MSL.
Trees beginning 4278' from DER, $39^{\prime}$ right of centerline, up to $900^{\prime}$ MSL.
Trees beginning 4323' from DER, $14^{\prime}$ left of centerline, up to $938^{\prime}$ MSL.
Trees, terrain beginning $4405^{\prime}$ from DER, $13^{\prime}$ right of centerline, up to $924^{\prime}$ MSL.
Trees beginning $5268^{\prime}$ from DER, $348^{\prime}$ left of centerline, up to $963^{\prime}$ MSL.
Trees beginning 5323' from DER, 417' left of centerline, up to 965 ' MSL.
Trees, tower beginning 5431' from DER, 42' left of centerline, up to 981' MSL
Trees beginning $5484^{\prime}$ from DER, $8^{\prime}$ right of centerline, up to $945^{\prime}$ MSL.
Trees beginning 1 NM from DER, 29' right of centerline, up to 960' MSL.
Trees beginning 1.1 nm from DER, $185^{\prime}$ left of centerline, up to $1004^{\prime}$ MSL.
Trees beginning 1.1 NM from DER, 9' right of centerline, up to 1013' MSL.
Trees beginning 2.2 NM from DER, $1252^{\prime}$ left of centerline, up to $1033^{\prime}$ MSL.
Tree 2.3 NM from DER, 2547' left of centerline, 1071' MSL.

## V <br> TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）

ROCKWOOD，TN
ROCKWOOD MUNI（RKW）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 15DEC11（11349）（FAA）
DEPARTURE PROCEDURE：
Rwy 4，climb heading 044 ${ }^{\circ}$ to 2500 before turning left．
Rwy 22，climb heading 224 ${ }^{\circ}$ to 2600 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 4，trees beginning 100＇from DER，234＇right of centerline，up to $81^{\prime}$＇AGL／1646＇MSL．
Trees beginning 593＇from DER，557＇left of centerline，up to $88^{\prime}$ AGL／1649＇MSL．
Rwy 22，trees beginning 54＇from DER， $101^{\prime}$＇eft of centerline，up to 71＇AGL／1676＇MSL．
Trees beginning $630^{\prime}$ from DER， $136^{\prime}$ right of centerline，up to $70^{\prime}$＇AGL／1691＇MSL．

## ROGERSVILLE，TN

HAWKINS COUNTY（RVN）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES AMDT 3 13SEP18（18256）（FAA）
TAKEOFF MINIMUMS：
Rwy 7，400－23／4 or std．w／min．climb of 385 ＇per NM to 1700.
Rwy 25，400－2 $\frac{1}{2}$ w $/ \mathrm{min}$ ．climb of 250 ＇per NM to 1700 or $1700-3$ for VCOA． DEPARTURE PROCEDURE：
Rwy 7，climb heading $071^{\circ}$ to 3100 before proceeding on course．
Rwy 25，climb heading $236^{\circ}$ to 2700 before proceeding on course．
VCOA：
Rwy 25，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions to cross Hawkins County Airport at or above 2800 before proceeding on course．
TAKEOFF OBSTACLE NOTES：
Rwy 7，trees，terrain beginning 102＇from DER，193＇left of centerline，up to 1317＇MSL．
Tree $346^{\prime}$ from DER， $253^{\prime}$ right of centerline，1274＇MSL．
Trees beginning $349^{\prime}$ from DER， $273^{\prime}$ right of centerline，up to 1290 ＇MSL．
Tree $1188^{\prime}$ from DER， $783^{\prime}$ left of centerline， $1320^{\prime}$ MSL．
Tree $1211^{\prime}$ from DER， $787^{\prime}$ left of centerline，1324＇MSL．
Trees beginning $1221^{\prime}$ from DER，207＇right of centerline，up to 1306＇MSL．
Tree $1580^{\prime}$ from DER， $775^{\prime}$ left of centerline， 1337 ＇MSL．
Tree $1730^{\prime}$ from DER， $795^{\prime}$ left of centerline， $1346^{\prime}$ MSL．
Trees，building beginning $1752^{\prime}$ from DER， $26^{\prime}$ left of centerline，up to $1351^{\prime}$ MSL．
Tree $3880^{\prime}$ from DER， 1357 ＇right of centerline， $1340^{\prime}$ MSL．
Trees beginning 4070＇from DER， $1580^{\prime}$ left of centerline，up to 1354＇MSL．
Tree 5591＇from DER，1996＇left of centerline，1391＇MSL．
Trees beginning $5786^{\prime}$ from DER， $1377^{\prime}$ left of centerline，up to 1408 ＇MSL．
Trees beginning 5965＇from DER，1557＇left of centerline，up to 1424＇MSL．
Trees beginning one NM from DER，1331＇left of centerline，up to 1523 ＇MSL．
Trees，building beginning 1．1 NM from DER，1790＇left of centerline，up to $1566^{\prime}$ MSL．
Tower 2．2 NM from DER，3132＇left of centerline，223＇AGL／1589＇MSL．
CON＇T

## ROGERSVILLE，TN（CON＇T） <br> HAWKINS COUNTY（RVN）（CON＇T）

Rwy 25，catenary，1＇from DER，427＇right of centerline，up to 44＇AGL／1318＇MSL． Trees，beginning 75 ＇from DER，167＇left of centerline，up to 1298＇MSL．
Terrain $93^{\prime}$ from DER， 196 ＇right of centerline， $1265^{\prime}$ MSL．
Building 153＇from DER， 369 ＇right of centerline， 34 ＇AGL／1301＇MSL．
Fence，trees，transmission line，pole，beginning 185 from DER， $143^{\prime}$ right of centerline，up to $1308^{\prime}$ MSL．
Trees，pole，transmission line，beginning 259 ＇from DER， $1^{\prime} 5^{\prime}$ left of centerline，up to $1309^{\prime}$ MSL．
Tree 861 ＇from DER， 565 ＇right of centerline， $1326^{\prime}$ MSL．
Trees，terrain，beginning 1087＇from DER， $728^{\prime}$ right of centerline，up to 1334＇MSL．
Trees，beginning 2010＇from DER，393＇left of centerline，up to 1331＇MSL．
Tree 2088＇from DER，997＇right of centerline， $1423^{\prime}$ MSL．
Trees，terrain，beginning $2257^{\prime}$ from DER， 596 ＇right of centerline，up to 1453 ＇MSL．
Tree 2344＇from DER，964＇right of centerline，1457＇MSL．
Trees，terrain，fence，transmission line，poles，beginning 2440＇from DER，47＇right of centerline，up to 1478 ＇MSL．
Tree $3422^{\prime}$ from DER，204＇left of centerline，1341＇MSL．
Tree 3461 ＇from DER， 97 ＇left of centerline，1384＇MSL．
Trees，beginning 3561 ＇from DER， $7^{\prime}$ left of centerline，up to 1402 ＇MSL．
Trees，beginning 4089＇from DER， $2^{\prime}$ left of centerline，up to 1420 ＇MSL．
Tree 4694＇from DER， 1137 ＇right of centerline，1492＇MSL．
Trees，transmission line，pole，beginning 4722＇from DER， 18 ＇right of centerline，up to 1503 ＇MSL．
Trees，terrain，beginning $4863^{\prime}$ from DER， $29^{\prime}$ right of centerline，up to $1508^{\prime}$ MSL．
Trees，terrain，beginning 5061 ＇from DER， 19 ＇right of centerline，up to 1526＇MSL．
Trees，beginning $5200^{\prime}$ from DER， $145^{\prime}$＇right of centerline，up to $1546^{\prime}$ MSL．
Trees，terrain，beginning 5410＇from DER， 295 ＇right of centerline，up to 1569＇MSL．
Trees，terrain，beginning $5644^{\prime}$ from DER， $32^{\prime}$ right of centerline，up to 1591 ＇MSL．
Trees，beginning $5830^{\prime}$ from DER， $388^{\prime}$＇right of centerline，up to 1600 ＇MSL．
Trees，beginning 2 NM from DER，3395＇right of centerline，up to $1633^{\prime}$ MSL．
Terrain＋veg，trees beginning 2．2 NM from DER，3420＇right of centerline，up to 100＇AGL／1846＇MSL．

## RUSSELLVILLE，KY <br> RUSSELLVILLE－LOGAN COUNTY（4M7） <br> TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES <br> AMDT 4 07DEC17（17341）（FAA） <br> TAKEOFF OBSTACLE NOTES：

Rwy 7，tree，pole beginning 13＇from DER，242＇left of centerline，up to 48＇AGL／687＇MSL．
Tree 253 ＇from DER， $347^{\prime}$＇right of centerline， $24^{\prime}$ AGL／663＇MSL．
Trees beginning $303^{\prime}$ from DER， $389^{\prime}$ left of centerline，up to $84^{\prime}$ AGL／721＇MSL．
Trees beginning 350 ＇from DER， $346^{\prime}$ right of centerline，up to $36^{\prime}$ AGL／674＇MSL．
Tree $473^{\prime}$ from DER， 309 ＇left of centerline， 87 ＇AGL／723＇MSL．
Trees beginning 1070＇from DER，432＇left of centerline，up to 97＇AGL／732＇MSL．
Tree 1418 ＇from DER， 638 ＇right of centerline，61＇AGL／693＇MSL．
Trees beginning 1438 ＇from DER， $255^{\prime}$＇right of centerline，up to $86^{\prime}$ AGL／718＇MSL．
Transmission line 2580＇from DER，493＇right of centerline，84＇AGL／731＇MSL．
Catenary $2648^{\prime}$ from DER， $2^{\prime}$ right of centerline， 103 ＇AGL／737＇MSL．
Catenary 2698＇from DER， $376^{\prime}$ left of centerline， $105^{\prime}$ AGL／740＇MSL．
Transmission line 2752＇from DER， $792^{\prime}$ left of centerline，101＇AGL／742＇MSL．
Transmission line 2791＇from DER，791＇left of centerline，90＇AGL／744＇MSL．
Tree 4099 ＇from DER， $12^{\prime}$＇right of centerline，101＇AGL／762＇MSL．
Rwy 25，traverse way，terrain beginning 3＇from DER，332＇right of centerline，up to 699＇MSL．
Pole 346＇from DER，532＇right of centerline，23＇AGL／709＇MSL．

## SABRE AAF（FORT CAMPBELL）（KEOD）

## CLARKSVILLE，TN

TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2 10AUG23（23222）（USA）
TAKEOFF MINIMUMS：
Rwy 23，std．w／min．climb of 289 ／NM to 1000 or $300-1 \frac{3}{4}$ ．
TAKEOFF OBSTACLE NOTES：
Rwy 23，twr 1．4 NM from DER， $1755^{\prime}$ left of centerline，210＇AGL／862＇MSL．

# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS) <br> 24025 

## SAVANNAH, TN

SAVANNAH-HARDIN COUNTY (SNH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 30JUL09 (09211) (FAA)
TAKEOFF MINIMUMS:
Rwy $19,400-21 / 4$ or std. w/min. climb of 260 ' per NM to 1000.
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 1243' from DER, 101' right of centerline, up to 70' AGL/589' MSL.
Rwy 19, trees beginning 973 ' from DER, left and right of centerline, up to 70' AGL/789' MSL.

## SELMER, TN <br> ROBERT SIBLEY (SZY) <br> TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG 25SEP08 (08269) (FAA) <br> TAKEOFF OBSTACLE NOTES: <br> Rwy 17, terrain beginning 71' from DER, 154' right of centerline, up to 644' MSL. <br> Trees beginning 104' from DER, 405' right of centerline, up to 76' AGL/695' MSL. <br> Pole 1208' from DER, 810' right of centerline, 28' AGL/687' MSL. <br> Pole 1857' from DER, 380' right of centerline, 45' AGL/664' MSL. <br> Rwy 35, vehicles on roadway 107' from DER, on centerline, up to 15' AGL/622' MSL. <br> Trees beginning 95 ' from DER, 206' right of centerline, up to 51' AGL/645' MSL.

## SEVIERVILLE, TN

GATLINBURG-PIGEON FORGE (GKT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4A 26MAY16 (16147) (FAA)
TAKEOFF MINIMUMS:
Rwy 10, std. w/min. climb of 320 ' per NM to 2900 or $900-2 \frac{1}{2}$ for climb in visual conditions.
Rwy 28, 400-2 $3 / 4$ or std. w/min. climb of $210^{\prime}$ per NM to 1500 or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur not later than 1200' prior to DER.
DEPARTURE PROCEDURE:
Rwy 10, Climbing left turn on VXV VORTAC R-090 westbound to VXV VORTAC to 5000 before proceeding on course. For climb in visual conditions: cross Gatlinburg-Pigeon Forge airport westbound on VXV VORTAC R-102 at or above 1900 MSL to VXV VORTAC; continue climb to 5000 before proceeding on course. When executing VCOA, notify ATC prior to departure.
Rwy 28, Climb on heading $282^{\circ}$ and on VXV VORTAC R-102 to VXV VORTAC to 5000 before proceeding on course. TAKEOFF OBSTACLE NOTES:
Rwy 10, trees beginning $194^{\prime}$ from DER, 378' right of centerline, up to 80' AGL/1123' MSL.
Trees beginning 300 ' from DER, $350^{\prime}$ left of centerline, up to $80^{\prime}$ AGL/1123' MSL.
Trees beginning 716' from DER, 255' left of centerline, up to 85' AGL/1131' MSL.
Power line 941 ' from DER, 602' right of centerline, 55' AGL/1079' MSL.
Rwy 28, trees beginning 184' from DER, 259' left of centerline, up to 45' AGL/1071' MSL.
Trees beginning $949^{\prime}$ from DER, $376^{\prime}$ right of centerline, up to $45^{\prime}$ AGL/1116' MSL.
Tower 1119' from DER, 624' right of centerline, 78' AGL/1079' MSL.
Tower 2.2 NM from DER, 2629' right of centerline, 175' AGL/1359' MSL.

## SHELBYVILLE, TN

BOMAR FLD/SHELBYVILLE MUNI (SYI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 31JUL08 (21336) (FAA)
DEPARTURE PROCEDURE:
Rwy 18, climb heading $180^{\circ}$ to 1600 before turning left.
Rwy 36, climb heading $345^{\circ}$ to 1700 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 18, tree 81' from DER, 176 ' right of centerline, up to 100' AGL/890' MSL.
Tree 86 ' from DER, 199' left of centerline, up to 100' AGL/880' MSL.
Rwy 36, trees and terrain 505 ' from DER, 36 ' left of centerline, up to 7 ' AGL/806' MSL.

## SMITHVILLE, TN

## SMITHVILLE MUNI (OA3)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 05JUN08 (08157) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 6, trees and terrain beginning 76 ' from DER, 256' right of centerline, up to 100' AGL/1199' MSL.
Trees beginning 733' from DER, 11 ' left of centerline up to 100 ' AGL/1119' MSL.
Rwy 24, trees and terrain beginning $76^{\prime}$ from DER, $8^{\prime}$ left of centerline, up to 100' AGL/1119' MSL.
Trees and terrain beginning 83 ' from DER, $162^{\prime}$ right of centerline, up to 100' AGL/1179' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)

## SMYRNA, TN

SMYRNA (MQY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7 02DEC21 (21336) (FAA)
TAKEOFF MINIMUMS:
Rwy 19, 300-2 $1 / 4$ or std. w/min. climb of 255 ' per NM to 1000 , or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1400' prior to DER.
Rwy 32, 300-1 or std. w/min. climb of 260' per NM to 800.
DEPARTURE PROCEDURE:
Rwy 1, climb heading $006^{\circ}$ to 1200 before turning northeast.
TAKEOFF OBSTACLE NOTES:
Rwy 1, lighting 32 ' from DER, 120 ' right of centerline, 2' AGL/523' MSL. Lighting 141 ' from DER, 250 ' left of centerline, 6 ' AGL/528' MSL.
Trees beginning 776' from DER, $26^{\prime}$ right of centerline, up to 590' MSL.
Tree 991' from DER, 525 ' left of centerline, 564' MSL.
Trees beginning 1101 ' from DER, 53 ' left of centerline, up to $566^{\prime}$ MSL.
Tree $1202^{\prime}$ from DER, $263^{\prime}$ left of centerline, $568^{\prime}$ MSL.
Trees, beginning $1241^{\prime}$ from DER, $26^{\prime}$ left of centerline, up to $612^{\prime}$ MSL.
Trees beginning 1436 ' from DER, $20^{\prime}$ right of centerline, up to $601^{\prime}$ MSL
Trees beginning $1676^{\prime}$ from DER, $9^{\prime}$ right of centerline, up to $614^{\prime}$ MSL.
Trees beginning 2085' from DER, $816^{\prime}$ right of centerline, up to 615' MSL.
Trees beginning $2250^{\prime}$ from DER, $819^{\prime}$ left of centerline, up to $617^{\prime}$ MSL.
Rwy 14, lighting 9' from DER, 104 ' right of centerline, 4' AGL/520' MSL.
Lighting 37 ' from DER, $254^{\prime}$ ' left of centerline, $4^{\prime}$ AGL/520' MSL.
Tree 1319' from DER, $808^{\prime}$ left of centerline, $572^{\prime}$ MSL.
Tree 3208' from DER, 198' left of centerline, 598' MSL.
Rwy 19, lighting 9' from DER, 125 ' right of centerline, 3' AGL/521' MSL.
Lighting 9' from DER, 125 ' left of centerline, 3' AGL/521' MSL.
Pole 1468 ' from DER, $139^{\prime}$ left of centerline, $23^{\prime}$ AGL/556' MSL.
Pole 1473' from DER, $40^{\prime}$ left of centerline, 26' AGL/558' MSL.
Transmission line, pole, trees beginning 1547' from DER, $24^{\prime}$ right of centerline, up to 50' AGL/580' MSL.
Pole 1594' from DER, $122^{\prime}$ left of centerline, 33' AGL/566' MSL.
Tree 1647' from DER, 251' left of centerline, 577 ' MSL.
Trees, pole beginning 1690 ' from DER, 18 ' left of centerline, up to 609' MSL.
Tree $1786^{\prime}$ from DER, $79^{\prime}$ right of centerline, 590' MSL.
Trees beginning $1846^{\prime}$ from DER, 293' right of centerline, up to 596 ' MSL.
Tree 1900' from DER, $571^{\prime}$ left of centerline, 619' MSL.
Trees beginning $1973^{\prime}$ from DER, $20^{\prime}$ left of centerline, up to 626' MSL.
Tree 2038' from DER, 843 ' right of centerline, 597' MSL.
Tree 2057' from DER, $75^{\prime}$ right of centerline, 600' MSL.
Trees beginning 2099' from DER, $316^{\prime}$ right of centerline, up to 606' MSL.
Tree 2260' from DER, 648' right of centerline, 609' MSL.
Trees beginning 2271 ' from DER, 203 ' right of centerline, up to 613 ' MSL.
Trees beginning $2525^{\prime}$ from DER, $40^{\prime}$ right of centerline, up to 614' MSL.
Trees beginning 2973' from DER, $379^{\prime}$ ' left of centerline, up to 634' MSL.
Trees beginning $3546^{\prime}$ from DER, $193^{\prime}$ ' right of centerline, up to $618^{\prime}$ MSL.
Tower, antenna beginning 1.7 NM from DER, $2303^{\prime}$ right of centerline, up to 143' AGL/788' MSL.
Rwy 32, lighting 10 ' from DER, 105 ' right of centerline, 3' AGL/545' MSL.
Tree 78 ' from DER, 503 ' left of centerline, $563^{\prime}$ MSL.
Trees beginning 89 ' from DER, $438^{\prime}$ left of centerline, up to 598 ' MSL.
Trees beginning 402' from DER, $472^{\prime}$ right of centerline, up to $583^{\prime}$ MSL.
Tree $888^{\prime}$ from DER, $552^{\prime}$ right of centerline, 585 ' MSL.
Trees beginning 1067 ' from DER, $25^{\prime}$ right of centerline, up to 588 ' MSL
Trees beginning 1158 ' from DER, $82^{\prime}$ left of centerline, up to 600' MSL.
Tree 1278 ' from DER, 86 ' right of centerline, 593 ' MSL.
Trees beginning $1310^{\prime}$ from DER, $110^{\prime}$ right of centerline, up to 598' MSL.
Tree 1339 ' from DER, $517^{\prime}$ left of centerline, $609^{\prime}$ MSL.
Trees beginning 1346 ' from DER, 61' left of centerline, up to $614^{\prime}$ MSL.
Trees beginning 1371 ' from DER, 221 ' right of centerline, up to 599' MSL.
Tree 1503 ' from DER, 208' right of centerline, 601' MSL.
Trees beginning $1528^{\prime}$ ' from DER, $26^{\prime}$ right of centerline, up to $606^{\prime}$ MSL
Trees beginning 1684' from DER, $7^{\prime}$ ' left of centerline, up to 617' MSL.
Tree $1995^{\prime}$ from DER, 260 ' right of centerline, 623' MSL.
CON'T

Rwy 5, climb heading $048^{\circ}$ to 2000 before proceeding on course.
Rwy 23, climb heading $228^{\circ}$ to 2000 before turning southbound.
TAKEOFF OBSTACLE NOTES:
Rwy 5, power lines beginning 2350' from DER, on centerline, up to 100' AGL/1009' MSL.
Trees beginning $5685^{\prime}$ from DER, left and right of centerline, up to 100' AGL/1369' MSL.
Tower 1.7 NM from DER, 500' right of centerline, 100' AGL/1300' MSL.
Rwy 23, poles beginning $178^{\prime}$ from DER, on centerline, up to 102' AGL/1111' MSL.
Trees beginning 281' from DER, left and right of centerline, up to 81' AGL/1190' MSL.
Buildings beginning 412' from DER, 336' right of centerline, up to 10' AGL/1089' MSL.
Hills beginning 982 ' from DER, 102 ' left of centerline, up to $927^{\prime}$ MSL.
Signs beginning $1214^{\prime}$ from DER, 45 ' right of centerline, $45^{\prime}$ AGL/959' MSL.
Antenna 2939' from DER, 54' left of centerline, 56' AGL/1005' MSL.

## SOMERVILLE, TN

FAYETTE COUNTY (FYE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 28SEP06 (06271) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 1, multiple trees beginning 527' from DER, 343' right of centerline, up to 100' AGL/529' MSL. Multiple trees beginning 427' from DER, $8^{\prime}$ left of centerline, up to 100' AGL/529' MSL.
Rwy 19, multiple trees beginning 87' from DER, 306' right of centerline, up to 100' AGL/539' MSL. Multiple trees beginning 709' from DER, 455' left of centerline, up to 100' AGL/549' MSL.

## TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

## SPARTA, TN

UPPER CUMBERLAND RGNL (SRB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15JAN09 (09015) (FAA)
DEPARTURE PROCEDURE:
Rwy 4, climb via heading $037^{\circ}$ to 3400 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 4, tree 56' from DER, 448' right of centerline, 100' AGL/1049' MSL. Tree 484' from DER, 574' right of centerline, 100' AGL/1056' MSL.
Rwy 22, tree 1646' from DER, 775' left of centerline, 100' AGL/1069' MSL.
SPRINGFIELD, KY
LEBANON-SPRINGFIELD-GEORGE HOERTER FLD (6I2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 31MAR16 (21280) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 11, trees beginning 137' from DER, 506' right of centerline, up to 75' AGL/956' MSL.
Trees beginning $217^{\prime}$ from DER, $485^{\prime}$ ' left of centerline, up to $90^{\prime}$ AGL/897' MSL
Trees beginning 330 ' from DER, $21^{\prime}$ left of centerline, up to $26^{\prime}$ AGL/885' MSL.
Trees beginning 764' from DER, 68' left of centerline, up to 80' AGL/891' MSL.
Rwy 29, vehicle on road 2' from DER, 304' right of centerline, 14' AGL/824' MSL.
Trees and pole beginning 402 ' from DER, 457 ' right of centerline, up to 43 ' AGL/860' MSL
Trees beginning $1283^{\prime}$ from DER, $639^{\prime}$ left of centerline, up to $44^{\prime}$ 'AGL/852' MSL.

## SPRINGFIELD, TN

SPRINGFIELD ROBERTSON COUNTY (M91)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09FEB12 (12040) (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 4, ground 129' from DER, 495' right of centerline, 715' MSL.
Trees beginning 495' from DER, 209' right of centerline, up to 100' AGL/800' MSL.
Trees beginning 863' from DER, 442' left of centerline, up to 100' AGL/784' MSL.
Transmission poles beginning 1410' from DER, 229' left of centerline, up to 38' AGL/748' MSL.
Rwy 22, power lines beginning 530' from DER, 625' left of centerline, up to 100' AGL/819' MSL.
Trees beginning 630' from DER, 520' left of centerline, up to 100 ' AGL/819' MSL.

## STURGIS, KY

STURGIS MUNI (TWT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 03APR14 (14093) (FAA)
TAKEOFF MINIMUMS:
Rwy 1, 400-21⁄4 or std. w/ min. climb of 280' per NM to 800.
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 2114' from DER, 514' left of centerline, up to 100' AGL/689' MSL.
Rwy 19, trees beginning $1248^{\prime}$ from DER, $19^{\prime}$ left of centerline, up to $94^{\prime}$ AGL/454' MSL.
Trees beginning $2144^{\prime}$ ' rom DER, 226' right of centerline, up to $100^{\prime}$ AGL/509' MSL.

## TAZEWELL, TN

NEW TAZEWELL MUNI (3A2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 29MAY14 (14149) (FAA)
TAKEOFF MINIMUMS:
Rwy 7, NA-Environmental and obstacles.
Rwy 25, 300-1 w/min. climb of 480 ' per NM to 2700 , or $1800-2^{1 / 2}$ for climb in visual conditions. DEPARTURE PROCEDURE:
Rwy 25, climb heading $250^{\circ}$ to 2500 before proceeding on course.
VCOA:
Rwy 25, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross New Tazewell Muni airport at or above 2800 before proceeding on course.
TAKEOFF OBSTACLE NOTES:
Rwy 25, multiple trees and bushes beginning $12^{\prime}$ from DER, 190' right and left of centerline, up to 100' AGL/1213' MSL. Fence 77' from DER, 246' right of centerline, 4' AGL/1185' MSL.
Poles 302' from DER, 254' right of centerline, 29' AGL/1253' MSL.
Building 691' from DER, $482^{\prime}$ right of centerline, 16' AGL/1211' MSL.
Multiple trees beginning 5703 ' from DER, 406 ' right of centerline, up to $100^{\prime}$ AGL/1328' MSL.

## V <br> TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS） <br> 24025

## TRENTON，TN（CON＇T）

GIBSON COUNTY（TGC）（CON＇T）
Rwy 19，lighting $38^{\prime}$ from DER， $111^{\prime}$＇right of centerline，23＇AGL／360＇MSL．
Trees beginning 138 ＇from DER，286＇right of centerline，up to 89＇AGL／425＇MSL．
Tree 209＇from DER， 485 ＇left of centerline， 62 ＇AGL／397＇MSL．
Tree 222＇from DER， $254^{\prime}$＇left of centerline， 62 ＇AGL／398＇MSL．
Tree 267＇from DER， $380^{\prime}$ left of centerline， $66^{\prime}$ AGL／401＇MSL．
Tree 469＇from DER，465＇left of centerline，98＇AGL／431＇MSL．
Tree 501＇from DER，432＇right of centerline，107＇AGL／439＇MSL
Trees beginning 510＇from DER，28＇right of centerline，up to 120＇AGL／451＇MSL．
Tree 574＇from DER，618＇left of centerline，108＇AGL／440＇MSL．
Trees beginning 633＇from DER， $56^{\prime}$ left of centerline，up to $111^{\prime}$ AGL／442＇MSL．
Trees beginning 2171＇from DER， 169 ＇left of centerline，up to 101 ＇AGL／453＇MSL．

## TULLAHOMA，TN

TULLAHOMA RGNL／WM NORTHERN FLD（THA）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES AMDT 1 25AUG11（22027）（FAA）
TAKEOFF MINIMUMS：
Rwys 9，27，NA－Environmental．
TAKEOFF OBSTACLE NOTES：
Rwy 6，buildings beginning 36 ＇from DER，439＇right of centerline，up to 28＇AGL／1098＇MSL．
Rising terrain，beginning $41^{\prime}$ from DER， 5 ＇right of centerline，up to 1090＇MSL．
Fence 83 ＇from DER， $393^{\prime}$ right of centerline，up to 12＇AGL／1082＇MSL．
Trees beginning 130＇from DER，left and right of centerline，up to 100＇AGL／1199＇MSL．
Light poles beginning 674＇from DER，311＇left of centerline，up to 36＇AGL／1096＇MSL．
Rwy 18，trees beginning 146 ＇from DER，left and right of centerline，up to 100＇AGL／1199＇MSL．
Buildings beginning 299＇from DER，217＇right of centerline，up to 32＇AGL／1102＇MSL．
Rwy 24，trees beginning 454＇from DER，left and right of centerline，up to 100＇AGL／1219＇MSL
Rwy 36，trees beginning $24^{\prime}$ from DER，left and right of centerline，up to 100＇AGL／1229＇MSL． Light pole $260^{\prime}$ from DER，498＇left of centerline， $18^{\prime}$ AGL／1088＇MSL．

## UNION CITY，TN

EVERETT－STEWART RGNL（UCY）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 1 25AUG11（11237）（FAA）
TAKEOFF OBSTACLE NOTES：
Rwy 1，obstruction light 9＇from DER，124＇right of centerline，2＇AGL／310＇MSL．
Trees 1200 ＇from DER， $734^{\prime}$ left of centerline，up to 69＇AGL／379＇MSL．
Tractor $112^{\prime}$ from DER， 405 ＇left of centerline， $12^{\prime}$ AGL／321＇MSL．
Rwy 19，trees 1050＇from DER，61＇left of centerline，up to 100＇AGL／449＇MSL．
Trees $1452^{\prime}$ from DER， $865^{\prime}$ right of centerline，up to $100^{\prime}$ AGL／459＇MSL．
Tractor 32 ＇from DER， 81 ＇left of centerline，12＇AGL／351＇MSL．
WAVERLY，TN
HUMPHREYS COUNTY（OM5）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
ORIG 09AUG79（79221）（FAA）
TAKEOFF MINIMUMS：
Rwys 3，21，200－1．
WILLIAMSBURG，KY
WILLIAMSBURG－WHITLEY COUNTY（BYL）
TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
AMDT 2A 25FEB21（21056）（FAA）
TAKEOFF MINIMUMS：
Rwy 2，300－1 $1 / 4$ or std．w／min．climb of 280＇per NM to 1400.
Rwy 20，std．w／min．climb of 350 ＇per NM to 2500，or 1400－3 for VCOA． DEPARTURE PROCEDURE：
Rwy 2，climb on heading $023^{\circ}$ to 2000 before turning east．
Rwy 20，climb on heading $203^{\circ}$ to 2000 before proceeding on course．
VCOA：
Rwy 20，obtain ATC approval for VCOA when requesting IFR clearance．Climb in visual conditions to cross Williamsburg－ Whitley County Airport at or above 2400 before proceeding on course
CON＇T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

Rwy 2, tree $182^{\prime}$ from DER, $250^{\prime}$ left of centerline, 1184' MSL.
Tree 231' from DER, 243 ' left of centerline, 1195' MSL.
Trees beginning $1270^{\prime}$ from DER, 592' right of centerline, up to $1225^{\prime}$ MSL.
Trees beginning 1519 ' from DER, $684^{\prime}$ left of centerline, up to 1263 ' MSL.
Tree 2306' from DER, $665^{\prime}$ right of centerline, 1245 ' MSL.
Tree 3204' from DER, 1087 ' right of centerline, 1262' MSL.
Tree $3563^{\prime}$ from DER, $466^{\prime}$ left of centerline, $1268^{\prime}$ MSL.
Tree $3644^{\prime}$ from DER, $329^{\prime}$ left of centerline, $1270^{\prime}$ MSL.
Tree 3697' from DER, $126^{\prime}$ left of centerline, $1273^{\prime}$ MSL.
Tree 3704 ' from DER, $369^{\prime}$ left of centerline, 1276 ' MSL.
Trees beginning 3731' from DER, $171^{\prime}$ ' left of centerline, up to 1278 ' MSL.
Tree $4152^{\prime}$ from DER, $311^{\prime}$ left of centerline, 1282 ' MSL.
Trees beginning 4285 ' from DER, $24^{\prime}$ ' right of centerline, up to 1296 ' MSL.
Tree 4355' from DER, $75^{\prime}$ left of centerline, 1300 ' MSL.
Trees beginning 4406' from DER, $12^{\prime}$ left of centerline, up to $1316^{\prime}$ MSL
Trees beginning 4451' from DER, 125 ' right of centerline, up to 1297 ' MSL.
Trees beginning 4504' from DER, 151' right of centerline, up to 1303' MSL.
Trees beginning 4536' from DER, 170' right of centerline, up to 1304' MSL.
Tree, terrain beginning $4720^{\prime}$ from DER, $2^{\prime}$ right of centerline, up to $1328^{\prime}$ MSL.
Tree, terrain beginning 4986' from DER, on centerline, up to 1329' MSL.
Tree 5424' from DER, $43^{\prime}$ left of centerline, $1322^{\prime}$ MSL.
Rwy 20, tree 177' from DER, 347' left of centerline, 1165' MSL.
Tree 306' from DER, 466' left of centerline, 1192' MSL.
Tree, fence beginning $348^{\prime}$ from DER, $409^{\prime}$ left of centerline, up to $1217^{\prime}$ MSL
Trees beginning 405' from DER, 399' left of centerline, up to $1223^{\prime}$ MSL.
Tree 1230 ' from DER, 787 ' right of centerline, 1187 ' MSL.
Tree 1411' from DER, 321' right of centerline, 1195' MSL.

[^2]
[^0]:    TAKEOFF MINIMUMS，（OBSTACLE）DEPARTURE PROCEDURES，AND DIVERSE VECTOR AREA（RADAR VECTORS）

    KNOXVILLE，TN
    KNOXVILLE DOWNTOWN ISLAND（DKX）
    TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
    AMDT 5 26AUG10（10238）（FAA）
    TAKEOFF MINIMUMS：
    Rwy 8，400－2 $1 / 4$ or std．w／min．climb of 395＇per NM to 1400.
    Rwy 26，500－23／4 w／min．climb of 204＇per NM to 1400 or 2600－3 for climb in visual conditions． DEPARTURE PROCEDURE：
    Rwy 8，climb heading $085^{\circ}$ to intercept VXV R－053 to 4100 before proceeding on course．
    Rwy 26，climb heading $245^{\circ}$ to intercept VXV R－275 to 3100 before proceeding on course or for climb in visual conditions cross Knoxville Downtown Island Airport at or above 3300 before proceeding on course．
    TAKEOFF OBSTACLE NOTES：
    Rwy 8，trees beginning 31＇from DER，142＇left of centerline，up to 96＇AGL／871＇MSL．
    Trees beginning 2662＇from DER，856＇right of centerline，up to 100＇AGL／1219＇MSL．
    Rwy 26，trees beginning 1792＇from DER，883＇right of centerline，up to 57＇AGL／1056＇MSL．
    Trees beginning 4606＇from DER，1153＇left of centerline，up to 100＇AGL／1239＇MSL．
    Trees and buildings 1.65 NM from DER，1241＇left of centerline，up to 100＇AGL／1259＇MSL．
    Trees and buildings beginning 1.67 NM from DER， $2666^{\prime}$ right of centerline，up to 100＇AGL／1328＇MSL．
    MC GHEE TYSON（TYS）
    TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
    AMDT 9 12AUG21（21224）（FAA）
    DEPARTURE PROCEDURE：
    Rwys 5L／R，climb direct VXV VORTAC then on VXV VORTAC R－053 to 4100 before proceeding on course．
    Rwys 23L／R，climb on VXV VORTAC R－226 to 4300 before proceeding on course．
    TAKEOFF OBSTACLE NOTES：
    Rwy 5R，terrain 53＇from DER，489＇left of centerline，967＇MSL．
    Poles beginning $96^{\prime}$ from DER， $438^{\prime}$ right of centerline，up to $45^{\prime}$ AGL／976＇MSL．
    Rwy 23L，catenaries beginning 3690＇from DER，521＇left of centerline，up to 144＇AGL／1040＇MSL．
    Transmission line towers beginning 3885＇from DER，1003＇left of centerline，up to 137＇AGL／1049＇MSL．
    Rwy 23R，transmission line tower $3787^{\prime}$ from DER， $1510^{\prime}$ left of centerline，117＇AGL／1025＇MSL．
    LAFAYETTE，TN
    LAFAYETTE MUNI（3M7）
    TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
    ORIG 09APR09（09099）（FAA）
    TAKEOFF OBSTACLE NOTES：
    Rwy 1，road＋vehicle 666＇from DER，on centerline，17＇AGL／976＇MSL．
    Tree 1120＇from DER，356＇left of centerline，51＇AGL／992＇MSL
    Rwy 19，tree 2490＇from DER，509＇right of centerline， $90^{\prime}$ AGL／1039＇MSL．
    Tree 2643＇from DER，359＇right of centerline，85＇AGL／1060＇MSL．
    Tree 2767＇from DER，406＇right of centerline，91＇AGL／1078＇MSL．
    Tree 3387＇from DER，220＇right of centerline，93＇AGL／1092＇MSL．

    ## LAWRENCEBURG，TN

    LAWRENCEBURG－LAWRENCE COUNTY（2M2）
    TAKEOFF MINIMUMS AND（OBSTACLE）DEPARTURE PROCEDURES
    ORIG 09APR09（09099）（FAA）
    TAKEOFF OBSTACLE NOTES：
    Rwy 17，trees 10＇from DER，466＇right of centerline，100＇AGL／1019＇MSL．
    Vehicle on road 200＇from DER，526＇left of centerline，15＇AGL／944＇MSL．
    Rwy 35，trees 300＇left of centerline，100＇AGL／1029＇MSL．
    Trees，power lines and vehicle on road 1395＇from DER，on centerline，up to 100＇AGL／1059＇MSL．

[^1]:    TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

    MC MINNVILLE, TN
    WARREN COUNTY MEML (RNC)
    TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
    AMDT 3 19MAY22 (22139) (FAA)
    TAKEOFF OBSTACLE NOTES:
    Rwy 5, terrain 5' from DER, 495' left of centerline, 1032' MSL.
    Fence, terrain beginning 170' from DER, 451' left of centerline, up to 6' AGL/1038' MSL. Vehicles on road 201' from DER, 507' left of centerline, 3' AGL/1048' MSL.
    Tree 416' from DER, 587' left of centerline, 39' AGL/1082' MSL.
    Transmission line, pole beginning 522' from DER, 553' right of centerline, up to 21' AGL/1053' MSL.
    Trees, transmission line, pole beginning 539' from DER, $528^{\prime}$ right of centerline, up to 1092' MSL.
    Tree 617' from DER, 480' left of centerline, 52' AGL/1084' MSL.
    Tree 689' from DER, 553' left of centerline, 68' AGL/1096' MSL.
    Tree 1975' from DER, 661' right of centerline, 82' AGL/1096' MSL.
    Trees beginning 2054' from DER, 615' right of centerline, up to 1104' MSL.
    Trees beginning 2208' from DER, 531' right of centerline, up to 1107' MSL.
    Tree 2558' from DER, 1109' left of centerline, 1099' MSL.
    Tree 2639' from DER, 850' right of centerline, 1113' MSL.
    Trees beginning 2645' from DER, 547' right of centerline, up to 121' AGL/1115' MSL.
    Tree 2993' from DER, 398' left of centerline, 1110' MSL.
    Trees beginning 3004' from DER, $284^{\prime}$ left of centerline, up to $105^{\prime}$ AGL/1113' MSL.
    Tree 3367' from DER, 24' right of centerline, 1116' MSL.
    Trees beginning 3432' from DER, $12^{\prime}$ left of centerline, up to 1118' MSL.
    Tree 3523' from DER, 844' right of centerline, 106' AGL/1123' MSL.
    Trees beginning 3533' from DER, 2' right of centerline, up to 1127' MSL.
    Trees beginning 3634' from DER, 1103' left of centerline, up to 101' AGL/1127' MSL.
    Tree 4103' from DER, 1345' right of centerline, 98' AGL/1136' MSL.
    Tree 4660' from DER, 1571' right of centerline, 109' AGL/1144' MSL.
    Tree 4760' from DER, 1563' right of centerline, 1151' MSL.
    Rwy 23, terrain, lighting beginning 1' from DER, 125' left of centerline, up to 1036' MSL.

    ## Lighting 9' from DER, 125' right of centerline, 3' AGL/1033' MSL.

    Fence, terrain beginning 150' from DER, 310' right of centerline, up to 7' AGL/1043' MSL.
    Fence 198' from DER, 348' right of centerline, 11' AGL/1044' MSL.
    Fence 232' from DER, 349' right of centerline, 7' AGL/1048' MSL.
    Tree, building beginning 247' from DER, 263' right of centerline, up to 1049' MSL.
    Fence 391' from DER, 349' right of centerline, 6' AGL/1051' MSL.
    Trees beginning 551' from DER, 540' left of centerline, up to 70' AGL/1117' MSL.
    Tree, terrain beginning 902' from DER, 95' right of centerline, up to 1118' MSL.
    Trees, building, pole beginning 925 ' from DER, 495 ' left of centerline, up to 1133 ' MSL.
    Tree, terrain beginning 1048' from DER, 107' right of centerline, up to 1124' MSL.
    Trees, terrain, fence, building, pole, transmission line beginning $1219^{\prime}$ from DER, 104 ' right of centerline, up to 1152 ' MSL.
    Trees beginning 1600' from DER, 488' left of centerline, up to 1135' MSL.
    Tree, vehicles on road, terrain beginning $1616^{\prime}$ from DER, $424^{\prime}$ right of centerline, up to $1155^{\prime}$ MSL.
    Trees, vehicles on road beginning $1731^{\prime}$ from DER, $48^{\prime}$ left of centerline, up to 1136 ' MSL.
    Tree, transmission line, pole beginning 1748' from DER, 646' right of centerline, up to 93' AGL/1169' MSL.
    Trees, vehicles on road, terrain, fence, antenna, poles, transmission line, buildings beginning 1797' from DER, 10' right of centerline, up to 1173' MSL.
    Tree 2544' from DER, 614' left of centerline, 1139' MSL.
    Trees, vehicles on road, poles, transmission line, buildings beginning 2560' from DER, 116' left of centerline, up to 1144 ' MSL.
    Trees beginning 3101' from DER, 65' left of centerline, up to 125' AGL/1177' MSL.

[^2]:    WINCHESTER, TN
    WINCHESTER MUNI (BGF)
    TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
    AMDT 2 13NOV14 (14317) (FAA)
    TAKEOFF MINIMUMS:
    Rwy 18, std. w/min. climb of 330' per NM to 2400, or 1500-3 for climb in visual conditions.
    DEPARTURE PROCEDURE:
    Rwy 18, climb heading $185^{\circ}$ to 2300 before turning left.
    Rwy 36, climb heading $005^{\circ}$ to 2000 before turning right.
    VCOA:
    Rwy 18, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Winchester Muni airport at or above 2300 before proceeding on course.
    TAKEOFF OBSTACLE NOTES:
    Rwy 18, trees beginning 174' from DER, 387' left of centerline, up to 81' AGL/1062' MSL.
    Vehicles on roadway beginning $388^{\prime}$ from DER, left and right of centerline, up to 17 ' AGL/1006' MSL.
    Tower 726' from DER, 337' left of centerline, 31' AGL/1018' MSL.
    Trees beginning $1237^{\prime}$ from DER, 539 ' right of centerline, up to $126^{\prime}$ AGL/1057' MSL.
    Rising terrain beginning 3.4 NM from DER, left and right of centerline, up to 2119' MSL.
    Rwy 36, rising terrain and trees beginning 97' from DER, 293' left of centerline, up to 109' AGL/1100' MSL.
    Vehicles on roadway beginning 817' from DER, 659' left of centerline, up to 17' AGL/996' MSL.
    Trees beginning $2654^{\prime}$ from DER, $75^{\prime}$ right of centerline, up to $60^{\prime}$ AGL/1052' MSL.

