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

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.

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<tr>
<td>ALBIA, IA</td>
<td>ALBIA MUNI (4C8)</td>
<td>ALGONA, IA</td>
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<td>TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES</td>
<td>AMDT 4 18256 (FAA)</td>
<td>TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES</td>
<td>AMDT 4A 15232 (FAA)</td>
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<tr>
<td>Rwy 31, 400-2½ or std. w/min. climb of 215’ per NM to 1400.</td>
<td>Rwy 18, 36, NA-Environmental.</td>
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<td>DEPARTURE PROCEDURE: Rwy 31, climb heading 30° to 1600 before turning right.</td>
<td>TAKEOFF OBSTACLE NOTES: Rwy 12, trees beginning 44’ from DER, 315’ right of centerline, up to 1000’ MSL. Vehicles on road beginning 107’ from DER, 140’ left of centerline, up to 977’ MSL. Tree 964’ from DER, 366’ right of centerline, 1010’ MSL. Tree 1038’ from DER, 477’ right of centerline, 1015’ MSL. Crane and trees beginning 1132’ from DER, 370’ right of centerline, up to 1032’ MSL. Tree 1982’ from DER, 207’ left of centerline, 1022’ MSL. Tree 2066’ from DER, 343’ left of centerline, 1036’ MSL. Rwy 31, vehicles on road 47’ from DER, 447’ right of centerline, 976’ MSL. Vehicles on road and trees beginning 82’ from DER, 328’ right of centerline, up to 990’ MSL. Trees beginning 405’ from DER, 349’ right of centerline, up to 1060’ MSL. Tree 759’ from DER, 472’ right of centerline, 1013’ MSL. Trees beginning 795’ from DER, 293’ right of centerline, up to 1019’ MSL. Tower 2.0 NM from DER, 3475’ left of centerline, 333’ AGL/1293’ MSL.</td>
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TAKEOFF OBSTACLE NOTES: Rwy 12, trees beginning 16’ from DER, 491’ left of centerline, up to 100’ AGL/1319’ MSL. Rwy 30, trees beginning 16’ from DER, 290’ left of centerline, up to 100’ AGL/1329’ MSL. Vehicles 265’ from DER, 449’ right of centerline, 15’ AGL/1244’ MSL. Trees beginning 3652’ from DER, 1352’ right of centerline, up to 100’ AGL/1329’ MSL.
ANKENY, IA
ANKENY RGNL (IKV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 17005 (FAA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 10154 (FAA)
TAKEOFF MINIMUMS: Rwy 1, std. w/ a min. climb of 227' per NM to 1800 or 1600-2½ for climb in visual conditions.
DEPARTURE PROCEDURE: Rwy 1, climb heading 014° to 1800 before proceeding on course or for climb in visual conditions, cross Ames Muni airport at or above 2400 before proceeding on course. Rwy 13, climb heading 133° to 2800 before turning right. Rwy 19, climb on a heading between 198° CO 013° from DER or climb on a heading between 140° CCW 013° from DER. Rwy 31, climb heading 313° to 1500 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 1, trees beginning 63' from DER, 374' right of centerline, up to 74' AGL/974' MSL. Trees, and wsK on hanger beginning 906' from DER, 714' left of centerline, up to 77' AGL/1007' MSL. Terrain at DER, 240' left of centerline, 919' MSL. Rwy 13, trees, antenna on obstruction light pole and antenna on AWOS beginning 42' from DER, 90' right of centerline, up to 78' AGL/998' MSL. Terrain beginning 34' from DER, 181' left of centerline, 923' MSL. Trees beginning 918' from DER, 32' left of centerline, up to 83' AGL/993' MSL. Rwy 19, trees, poles, road and road on building beginning 1004' from DER, 407' right of centerline, up to 79' AGL/1059' MSL. Rwy 31, trees, poles and roads beginning 214' from DER, 103' right of centerline, up to 57' AGL/887' MSL. Trees, poles and bush beginning 135' from DER, 109' left of centerline, up to 90' AGL/1020' MSL.

ATLANTIC, IA
ATLANTIC MUNI (AIO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6A 09155 (FAA)
TAKEOFF MINIMUMS: Rwy 1, 300-1½ or std. w/ min. climb of 208' per NM to 1400. Rwy 12, 400-2½ or std. w/ min. climb of 321' per NM to 1700. DEPARTURE PROCEDURE: Rwy 12, climb heading 119° to 1700 before proceeding on course. Rwy 20, climb heading 198° to 2300 before proceeding on course. Rwy 30, climb heading 299° to 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 2, terrain beginning 6' from DER, up to 454' left of centerline to 433' right of centerline, up to 1175' MSL. Trees beginning 1210' from DER, 20' right of centerline, up to 75' AGL/1234' MSL. Trees beginning 2991' from DER, 202' left of centerline, up to 75' AGL/1234' MSL. Rwy 12, terrain beginning 8' from DER, from 336' left of centerline to 422' right of centerline, up to 1300' MSL. Trees beginning 2175' from DER, 498' right of centerline, up to 75' AGL/1214' MSL. Trees beginning 4525' from DER, 422' right of centerline, up to 75' AGL/1354' MSL. Rwy 20, terrain beginning 72' from DER, from 538' left of centerline to 623' right of centerline, up to 1185' MSL. Trees beginning 2157' from DER, 44' left of centerline, up to 75' AGL/1234' MSL. Rwy 30, terrain beginning 100' from DER, from 1615' left of centerline to 758' right of centerline, up to 1293' MSL.

AUDUBON, IA
AUDUBON COUNTY (ADU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 93175 (FAQ)
TAKEOFF MINIMUMS: Rwy 32, 300-1.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

12 SEP 2019 to 10 OCT 2019

AURORA, MO
JERRY SUMNERS SR AURORA MUNI (2H2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 18032 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 18, trees beginning 65’ from DER, 252’ right of centerline, up to 58’ AGL/1469’ MSL. Sign 217’ from DER, 406’ left of centerline, 1437’ MSL. Road 244’ from DER, 502’ left of centerline, 1438’ MSL. Trees beginning 291’ from DER, 312’ right of centerline, up to 1470’ MSL. Tree, road beginning 371’ from DER, 316’ left of centerline, up to 1445’ MSL. Tree, pole beginning 408’ from DER, 251’ right of centerline, up to 1473’ MSL. Tree 473’ from DER, 491’ left of centerline, 1480’ MSL. Tree, road beginning 502’ from DER, 29’ left of centerline, up to 69’ AGL/1504’ MSL. Trees beginning 737’ from DER, 45’ right of centerline, up to 1482’ MSL. Trees beginning 843’ from DER, 43’ left of centerline, up to 80’ AGL/1511’ MSL. Tree, pole, transmission line beginning 951’ from DER, 132’ left of centerline, up to 1514’ MSL. Tree 1040’ from DER, 143’ right of centerline, 61’ AGL/1483’ MSL. Trees beginning 1080’ from DER, 93’ right of centerline, up to 66’ AGL/1486’ MSL. Pole, tree beginning 1546’ from DER, 282’ right of centerline, up to 1494’ MSL. Tree 1601’ from DER, 437’ right of centerline, 1495’ MSL. Trees beginning 1617’ from DER, 235’ right of centerline, up to 1497’ MSL. Tree, building, transmission line beginning 1806’ from DER, 240’ right of centerline, up to 1507’ MSL. Tree 3509’ from DER, 520’ left of centerline, 71’ AGL/1517’ MSL. Rwy 36, trees beginning 35’ from DER, 263’ left of centerline, up to 1483’ MSL. Tree 42’ from DER, 447’ right of centerline, 69’ AGL/1502’ MSL. Tree, pole, transmission line beginning 117’ from DER, 197’ right of centerline, up to 72’ AGL/1505’ MSL. Trees beginning 244’ from DER, 457’ left of centerline, up to 1488’ MSL. Tree, pole, sign beginning 506’ from DER, 260’ left of centerline, up to 1494’ MSL.

AVA, MO
AVA BILL MARTIN MEMORIAL (AOV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13122 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 13, trees beginning 182’ from DER, 254’ left of centerline, up to 100’ AGL/1319’ MSL. Multiple buildings, poles and vehicles on road beginning 512’ from DER, left and right of centerline, up to 40’ AGL/1379’ MSL. Trees beginning 76’ from DER, left and right of centerline, up to 100’ AGL/1458’ MSL. Rwy 31, trees beginning 5’ from DER, 227’ right of centerline, up to 100’ AGL/1379’ MSL. Trees beginning 210’ from DER, 195’ left of centerline, up to 100’ AGL/1359’ MSL. Trees beginning 850’ from DER from left to right of centerline, up to 100’ AGL/1339’ MSL.

BELLE PLAINE, IA
BELLE PLAINE MUNI (TZT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12096 (FAA)
TAKEOFF MINIMUMS: RwY 36, 400-2 or std. w/min. climb of 440’ per NM to 1200.
TAKEOFF OBSTACLE NOTES: RwY 18, multiple trees beginning 142’ from DER, left and right of centerline, up to 94’ AGL/854’ MSL. RwY 36, multiple towers, tanks, trees, poles, buildings, grain elevators, and roads beginning 31’ from DER, left and right of centerline, up to 174’ AGL/954’ MSL. Trees beginning 4901’ from DER, 962’ right of centerline, up to 93’ AGL/954’ MSL. Tower 1.8 NM from DER, 2320’ right of centerline, 207’ AGL/1097’ MSL.

BLOOMFIELD, IA
BLOOMFIELD MUNI (4K6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 08185 (FAA)
DEPARTURE PROCEDURE: RwY 18, climb runway heading to 1300 before turning.
TAKEOFF OBSTACLE NOTES: RwY 18, building 353’ from DER, 306’ left of centerline, 30’ AGL/915’ MSL.

BOLIVAR, MO
BOLIVAR MUNI (M17)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07186 (FAA)
TAKEOFF MINIMUMS: RwY 36, 200-1¼ or std. w/min. climb of 252’ per NM to 1400.
TAKEOFF OBSTACLE NOTES: RwY 18, east-west road, vehicle and transmission lines and poles beginning 627’ from DER, up to 40’ AGL/1138’ MSL. Multiple trees beginning 667’ from DER, 6’ left of centerline, up to 75’ AGL/1148’ MSL. Silo 1059’ from DER, 677’ left of centerline, 100’ AGL/1200’ MSL. Multiple trees beginning 147’ from DER, 39’ right of centerline, up to 75’ AGL/1157’ MSL. RwY 36, transmission lines and poles beginning 1208’ from DER, 189’ left of centerline, up to 40’ AGL/1137’ MSL. East-west transmission lines and poles beginning 1925’ from DER, up to 50’ AGL/1165’ MSL. Multiple trees beginning 659’ from DER, 58’ right of centerline, up to 75’ AGL/1201’ MSL. Tree 5471’ from DER, 1766’ left of centerline, 100’ AGL/1269’ MSL.

BOONE, IA
BOONE MUNI (BNW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 09015 (FAA)
TAKEOFF MINIMUMS: Rwys 2, 20, NA-Environmental.
TAKEOFF OBSTACLE NOTES: RwY 15, tree 3565’ from DER, 816’ right of centerline, 100’ AGL/1259’ MSL. Rwy 33, tree 1442’ from DER, 631’ left of centerline, 100’ AGL/1259’ MSL. Vehicle on road 561’ from DER, 573’ right of centerline, 15’ AGL/1174’ MSL. Tank 3135’ from DER, 1335’ right of centerline, 140’ AGL/1287’ MSL.
BOONVILLE, MO

JESSE VIERTEL MEMORIAL (VER)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07130 (FAA)

TAKEOFF OBSTACLE NOTES: Rwy 18, multiple trees beginning 368’ from DER, 383’ left of centerline, up to 80’ AGL/761’ MSL. Road and vehicle 1232’ from DER, on centerline, 17’ AGL/746’ MSL. Multiple trees beginning 500’ from DER, 109’ right of centerline, up to 80’ AGL/766’ MSL. Rwy 36, multiple trees and pole beginning 701’ from DER, 67’ left of centerline, up to 100’ AGL/810’ MSL. Multiple trees beginning 200’ from DER, 334’ right of centerline, up to 80’ AGL/794’ MSL.

BOWLING GREEN, MO

BOWLING GREEN MUNI (H19)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 83132 (FAA)

TAKEOFF MINIMUMS: Rwy 31, 300-1.

BRANSON, MO

BRANSON (BBG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09127 (FAA)

DEPARTURE PROCEDURE: Rwy 32, climb heading 323° to 2000 before turning left.

TAKEOFF OBSTACLE NOTES: Rwy 14, numerous trees beginning 1214’ from DER, 4’ right of centerline, up to 100’ AGL/1289’ MSL. Tree 2069’ from DER, 586’ left of centerline, 89’ AGL/1292’ MSL.

M GRAHAM CLARK DOWNTOWN (PLK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 15204 (FAA)

TAKEOFF MINIMUMS: Rwy 30, std. w/min. climb of 244’ per NM to 1800 or 1400-3 for climb in visual conditions.

DEPARTURE PROCEDURE: Rwy 12, climb heading 117° to 1600 before proceeding on course. Rwy 30, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross M Graham Clark downtown airport at or above 2200 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwy 12, trees beginning 796’ from DER, 488’ right of centerline, up to 50’ AGL/989’ MSL.

BRANSON WEST, MO

BRANSON WEST MUNI-EMERSON FIELD (FWB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11349 (FAA)

TAKEOFF OBSTACLE NOTES: Rwy 3, trees beginning 167’ from DER, left and right of centerline, up to 100’ AGL/1479’ MSL. Vehicles on road beginning 22’ from DER, left and right of centerline, up to 100’ AGL/1394’ MSL. Vehicles on road 1485’ from DER, 615’ right of centerline, 15’ AGL/1394’ MSL. Rwy 21, trees beginning 230’ from DER, left and right of centerline, up to 100’ AGL/1419’ MSL. Power lines beginning 2501’ from DER, 788’ left of centerline, up to 100’ AGL/1379’ MSL.

BROOKFIELD, MO

NORTH CENTRAL MISSOURI RGNL (MO8)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 16091 (FAA)

TAKEOFF OBSTACLE NOTES: Rwy 18, terrain 2’ from DER, 498’ left of centerline, 830’ MSL. Fence 3’ from DER, 398’ left of centerline, 7’ AGL/830’ MSL. Poles beginning 889’ from DER, 458’ left of centerline, up to 29’ AGL/855’ MSL. Tree 1358’ from DER, 110’ left of centerline, 50’ AGL/864’ MSL. Trees beginning 1436’ from DER, 387’ right of centerline, up to 88’ AGL/872’ MSL. Tree 2069’ from DER, 586’ left of centerline, 89’ AGL/878’ MSL. Rwy 36, bdg 4’ from DER, 428’ right of centerline, 18’ AGL/858’ MSL. Tree 5’ from DER, 152’ left of centerline, 15’ AGL/847’ MSL. Tree 10’ from DER, 162’ left of centerline, 17’ AGL/848’ MSL. Tree 1277’ from DER, 202’ left of centerline, 30’ AGL/856’ MSL. Tree 1400’ from DER, 203’ left of centerline, 33’ AGL/859’ MSL. Trees beginning 163’ from DER, 208’ left of centerline, up to 48’ AGL/867’ MSL. Tree 464’ from DER, 281’ right of centerline, 70’ AGL/877’ MSL. Tree 500’ from DER, 365’ right of centerline, 75’ AGL/887’ MSL. Trees beginning 522’ from DER, 484’ left of centerline, up to 76’ AGL/876’ MSL. Trees and pole beginning 541’ from DER, 288’ right of centerline, up to 84’ AGL/891’ MSL. Tree 858’ from DER, 647’ left of centerline, 86’ AGL/878’ MSL. Tree 1478’ from DER, 492’ right of centerline, 67’ AGL/892’ MSL. Trees beginning 1485’ from DER, 499’ right of centerline, up to 56’ AGL/893’ MSL.

BURLINGTON, IA

SOUTHEAST IOWA RGNL (BRL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 92233 (FAA)

TAKEOFF MINIMUMS: Rwy 36, 300-1.

DEPARTURE PROCEDURE: Rwys 30, 36, climb runway heading to 1500 before turning.
BUTLER, MO
BUTLER MEMORIAL (BUM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11293 (FAA)
TAKEOFF MINIMUMS: Rw y 18, 500-3 or std. w/min.
climb of 216’per NM to 1500.
TAKEOFF OBSTACLE NOTES: Rw y 18, tower 2.5 NM
from DER, 169’ right of centerline, 493’ AGL/1293’
MSL. Trees beginning at DER, 317’ left and right of
centerline, up to 100’ AGL/992’ MSL. Buildings
growing 44’ from DER, 350’ right of centerline, up to
19’ AGL/910’ MSL. Terrain beginning 31’ from DER,
104’ left and right of centerline, up to 909’ MSL. Rw y
36, trees beginning 1254’ from DER, left and right of
centerline, up to 100’ AGL/970’ MSL. Vehicle on road
beginning 1300’ left and right of centerline, 15’ AGL/889’
MSL. Terrain beginning 192’ from DER, 37’ left and
right of centerline, up to 886’ MSL.

CABOOL, MO
CABOOL MEMORIAL (TVB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 18312 (FAA)
TAKEOFF MINIMUMS: Rw y 21, 300-1 or std. w/min.
climb of 461’ per NM to 1600. Rw y 21, 500-3 or std.
w/min. climb of 578’ per NM to 1600.
DEPARTURE PROCEDURE: Rw y 3, climb heading
030° to 1800 before turning right. Rw y 21, climb
heading 210° to 1900 before turning left.
TAKEOFF OBSTACLE NOTES: Rw y 3, tree 16’ from
DER, 312’ right of centerline, 1242’ MSL. Trees
beginning 34’ from DER, 189’ left of centerline, up to
1258’ MSL. Trees beginning 68’ from DER, 255’ right
of centerline, up to 1271’ MSL. Trees, terrain, pole,
beginning 182’ from DER, 12’ right of centerline, up to
103’ AGL/1302’ MSL. Trees, traverse way beginning
477’ from DER, 11’ left of centerline, up to 1267’ MSL.
Trees beginning 1478’ from DER, 492’ left of
centerline, up to 1269’ MSL. Trees beginning 1643’
from DER, 31’ left of centerline, up to 1274’ MSL.
Trees beginning 1745’ from DER, 13’ right of
centerline, up to 1309’ MSL. Trees beginning 1815’
from DER, 124’ left of centerline, up to 78’ AGL/1283’
MSL. Trees beginning 2127’ from DER, 37’ left of
centerline, up to 89’ AGL/1284’ MSL. Tree 3693’ from
DER, 1344’ right of centerline, 1316’ MSL. Trees
beginning 3775’ from DER, 1187’ right of centerline, up
to 1337’ MSL. Trees beginning 3882’ from DER, 891’
right of centerline, up to 1367’ MSL. Trees beginning
3977’ from DER, 933’ right of centerline, up to 1376’
MSL. Trees beginning 4047’ from DER, 1042’ right
of centerline, up to 1398’ MSL. Trees, terrain beginning
4345’ from DER, 628’ right of centerline, up to 1459’
MSL. Trees beginning 5448’ from DER, 1796’ right
of centerline, up to 1372’ MSL. Rw y 21, pole 0’ from
DER, 200’ right of centerline, 1249’ MSL. Trees,
traverse way beginning 6’ from DER, 41’ left of
centerline, up to 86’ AGL/1298’ MSL. Pole 46’ from
DER, 373’ right of centerline, 1259’ MSL. Trees,
building beginning 107’ from DER, 286’ right of
centerline, up to 1277’ MSL. Trees, pole, traverse way
beginning 188’ from DER, 10’ right of centerline, up to
1280’ MSL. Trees, traverse way beginning 342’ from
DER, 15’ left of centerline, up to 1299’ MSL. Trees,
terrain beginning 450’ from DER, 218’ left of centerline,
up to 1317’ MSL. Trees, building, pole, traverse way
beginning 655’ from DER, 346’ right of centerline, up to
1299’ MSL.

CAMERON, MO
CAMERON MEMORIAL (EZZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10098 (FAA)
TAKEOFF OBSTACLE NOTES: Rw y 17, trees beginning
31’ from DER, 287’ left of centerline, up to 7’ AGL/1024’
MSL. Trees beginning 84’ from DER, 428’ right of
centerline, up to 61’ AGL/1041’ MSL. Rw y 35, trees and
rising terrain beginning 36’ from DER, 113’ left of
centerline, up to 30’ AGL/1077’ MSL. Trees and rising
terrain beginning 79’ from DER, 119’ right of centerline,
up to 57’ AGL/1105’ MSL. Buildings and stacks
beginning 711’ from DER, 619’ right of centerline, up to
57’ AGL/1082’ MSL. Train on railroad tracks 1636’ from
DER, left and right of centerline, 23’ AGL/1085’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

CAMDENTON, MO
CAMDENTON MEMORIAL-LAKE RGNL (OZS)
TAKEOFF MINIMUMS AND (-obstacle) DEPARTURE PROCEDURES
AMDT 2A 15176 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 15, 33, begin 9' from DER, 83' right of centerline, up to 15' AGL/1074' MSL. Tree heading 288° to 1200 before proceeding on course.

DEPARTURE PROCEDURE: Rwys 15, 33, climbing right turn heading 060° and CGI VOR/DME R-039 to 2600 before proceeding on course. Rwys 15, 33, climbing right turn heading 288° to 1200 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwys 15, 33, begin 9' from DER, 83' right of centerline, up to 15' AGL/1074' MSL. Tree heading 288° to 1200 before proceeding on course.

DEPARTURE PROCEDURE: Rwys 15, 33, climbing right turn heading 060° and CGI VOR/DME R-039 to 2600 before proceeding on course. Rwys 15, 33, climbing right turn heading 288° to 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES: Rwys 15, 33, begin 9' from DER, 83' right of centerline, up to 15' AGL/1074' MSL. Tree heading 288° to 1200 before proceeding on course.

DEPARTURE PROCEDURE: Rwys 15, 33, climbing right turn heading 060° and CGI VOR/DME R-039 to 2600 before proceeding on course. Rwys 15, 33, climbing right turn heading 288° to 1200 before proceeding on course.

CAPE GIRARDEAU, MO (CON’T)
CAPE GIRARDEAU RGNL (CGI) (CON’T)
Rwy 10 (CON’T), trees beginning 4060' from DER, 213' right of centerline, up to 116' AGL/480' MSL. Trees beginning 4954' from DER, 741' left of centerline, up to 131' AGL/527' MSL. Rwy 20, signs, bushes and trees beginning 20' from DER, 203' left of centerline, up to 36' AGL/372' MSL. Pole and trees beginning 1408' from DER, 369' right of centerline, up to 67' AGL/403' MSL. Trees beginning 3990' from DER, 510' left of centerline, up to 120' AGL/531' MSL. Trees beginning 5340' from DER, 360' right of centerline, up to 126' AGL/541' MSL. Rwy 28, trees beginning 283' from DER, 533' left of centerline, up to 21' AGL/354' MSL.

CARROLL, IA
ARTHUR N NEU (CIN)
TAKEOFF MINIMUMS AND (obstacle) DEPARTURE PROCEDURES
AMDT 1 12320 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 3, 10, 115' AGL/461' MSL.

DEPARTURE PROCEDURE: Rwys 3, 10, 115' AGL/461' MSL.

TAKEOFF OBSTACLE NOTES: Rwys 3, 10, 115' AGL/461' MSL.

DEPARTURE PROCEDURE: Rwys 3, 10, 115' AGL/461' MSL.

TAKEOFF OBSTACLE NOTES: Rwys 3, 10, 115' AGL/461' MSL.

DEPARTURE PROCEDURE: Rwys 3, 10, 115' AGL/461' MSL.

TAKEOFF OBSTACLE NOTES: Rwys 3, 10, 115' AGL/461' MSL.

DEPARTURE PROCEDURE: Rwys 3, 10, 115' AGL/461' MSL.

TAKEOFF OBSTACLE NOTES: Rwys 3, 10, 115' AGL/461' MSL.

DEPARTURE PROCEDURE: Rwys 3, 10, 115' AGL/461' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

CARUTHERSVILLE, MO
CARUTHERSVILLE MEMORIAL (M05)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 16147 (FAA)
TAKEOFF MINIMUMS: Rw 36, 300-2 or std. with a min. climb of 256' per NM to 600.
TAKEOFF OBSTACLE NOTES: Rw 18: fence beginning 53' from DER, 353' left of centerline, up to 5' AGL/271' MSL. Standard and buildings beginning 307' from DER, 435' left of centerline, up to 35' AGL/301' MSL. Building 845' from DER, 532' left of centerline, 59' AGL/324' MSL. Tree 1030' from DER, 278' left of centerline, 66' AGL/332' MSL. Trees beginning 1126' from DER, 213' left of centerline, up to 80' AGL/346' MSL. Trees beginning 1138' from DER, 71' right of centerline, up to 70' AGL/336' MSL. Rw 36: poles beginning 169' from DER, 456' right of centerline, up to 29' AGL/296' MSL. Building 294' from DER, 404' left of centerline, 10' AGL/277' MSL. Tree 518' from DER, 297' left of centerline, 15' AGL/283' MSL. Trees and poles beginning 634' from DER, 231' left of centerline, up to 76' AGL/344' MSL. Poles beginning 635' from DER, 295' right of centerline, up to 33' AGL/301' MSL. Poles beginning 637' from DER, 234' right of centerline, up to 34' AGL/302' MSL. Trees, buildings, and poles beginning 676' from DER, 241' left of centerline, up to 84' AGL/351' MSL. Tree 679' from DER, 286' right of centerline, 49' AGL/317' MSL. Tree 681' from DER, 516' right of centerline, 68' AGL/336' MSL. Trees, building, and poles beginning 737' from DER, 275' left of centerline, up to 75' AGL/342' MSL. Tower 1 NM from DER, 565' right of centerline, 207' AGL/475' MSL.

CASSVILLE, MO
CASSVILLE MUNI (94K)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13234 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 9, trees beginning 1487' from DER, 71' right of centerline, up to 71' AGL/1528' MSL. Trees beginning 1487' from DER, 40' left of centerline, up to 60' AGL/1537' MSL. Tower 4324' from DER, 1224' left of centerline, 102' AGL/1600' MSL. Tank 4669' from DER, 1209' left of centerline, 136' AGL/1616' MSL. Terrain 61' from DER, 275' left of centerline, 1475' MSL. Poles beginning 311' from DER, 49' right of centerline, up to 43' AGL/1510' MSL. Poles beginning 649' from DER, 148' left of centerline, up to 43' AGL/1521' MSL. Flagpole 1316' from DER, 751' left of centerline, 43' AGL/1548' MSL. Buildings beginning 397' from DER, 435' left of centerline, up to 40' AGL/1497' MSL. Rw 27, trees beginning 755' from DER, 180' right of centerline, up to 61' AGL/1604' MSL. Trees beginning 709' from DER, 80' left of centerline, up to 60' AGL/1543' MSL. Terrain 125' from DER, 472' left of centerline, 1484' MSL. Poles beginning 636' from DER, 385' right of centerline, 295' up to 43' AGL/1506' MSL. Poles beginning 665' from DER, 320' left of centerline, up to 43' AGL/1516' MSL. Bushes beginning 183' from DER, 339' left of centerline, up to 6' AGL/1490' MSL.

CEDAR RAPIDS, IA
THE EASTERN IOWA (CID)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 10266 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 9, building 354' from DER, 563' right of centerline, 22' AGL/873' MSL. Pole 678' from DER, 642' right of centerline, 33' AGL/884' MSL. Obstruction light on building 1133' from DER, 596' right of centerline, 41' AGL/890' MSL. Antennas beginning 491' from DER, 314' left of centerline, up to 28' AGL/879' MSL. Rw 13, vehicles on road 961' from DER, 709' left of centerline, up to 15' AGL/874' MSL. Rw 27, poles beginning 1338' from DER, 700' right of centerline, up to 34' AGL/895' MSL. Rw 31, vehicles on road beginning 28' from DER, left and right of centerline, up to 17' AGL/876' MSL. Tree 3464' from DER, 180' right of centerline, 100' AGL/979' MSL.

CENTREVILLE, IA
CENTREVILLE MUNI (TVK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 16, trees beginning 37' from DER, 282' left of centerline, up to 25' AGL/1034' MSL. Trees beginning 86' from DER, 213' right of centerline, up to 20' AGL/1031' MSL.

CHARITON, IA
CHARITON MUNI (CNC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09351 (FAA)
TAKEOFF MINIMUMS: Rw 10, std. w/ min. climb of 223' per NM to 1700 or 900-2½ for climb in visual conditions. DEPARTURE PROCEDURE: Rw 10, for climb in visual conditions cross Chariton Muni airport at or above 1800 MSL before proceeding on course. TAKEOFF OBSTACLE NOTES: Rw 10, tower 2.62 NM from DER, 2173' left of centerline, 470' AGL/1480' MSL. Rw 17, hangar 13' from DER, 429' left of centerline, 25' AGL/1084' MSL. Vehicle on road beginning 506' from DER, from left to right of centerline, up to 15' AGL/1074' MSL. Tree 2720' from DER, 451' right of centerline, 100' AGL/1159' MSL. Rw 35, vehicle on road 17' from DER, 421' left of centerline, 15' AGL/1054' MSL.

CHARLES CITY, IA
NORTHEAST IOWA RGNL (CCY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)
TAKEOFF MINIMUMS: Rw 4, 17, 22, 35, NA-Environmental. TAKEOFF OBSTACLE NOTES: Rw 12, trees beginning 1002' from DER, 351' right of centerline, up to 100' AGL/1209' MSL. Rw 30, trees beginning 1804' from DER, 621' right of centerline, up to 100' AGL/1229' MSL.
CHARLESTON, MO
MISSISSIPPI COUNTY (CHQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 18144 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, trees beginning 404' from DER, 380' left of centerline, up to 80' AGL/394' MSL. Trees beginning 2766' from DER, 670' left of centerline, up to 80' AGL/394' MSL. Trees beginning 2772' from DER, 318' right of centerline, up to 80' AGL/394' MSL. Rw 36, vehicles on road beginning 511' from DER, left and right of centerline, up to 15' AGL/329' MSL. Agricultural irrigation pivot equipment, 603' from DER, 9' left of centerline, 19' AGL/332' MSL. Trees beginning 2045' from DER, 875' right of centerline, up to 80' AGL/394' MSL.

CHEROKEE, IA
CHEROKEE COUNTY RGNL (CKP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 09127 (FAA)
TAKEOFF MINIMUMS: Rwys 1,19, NA - environmental. Rw 36, 300 -1½ or std. w/ min. climb of 373' per NM to 1600'. DEPARTURE PROCEDURE: Rw 18, climb heading 178° to 1700 before proceeding on course. Rw 36, climb heading 358° to 1900 before proceeding on course. TAKEOFF OBSTACLE NOTES: Rw 18, rising terrain, buildings, vehicles on road, poles, signs, trees beginning at DER, 305' left of centerline, up to 65' AGL/1298' MSL. Trees on railroad beginning at DER, 348' right of centerline, up to 23' AGL/1242' MSL. Rw 36, vehicles on road, trees beginning at DER, 416' left of centerline, up to 65' AGL/1284' MSL. Row of trees 726' from DER, from left to right of centerline, up to 65' AGL/1284' MSL. Building 741' from DER, 557' right of centerline, 24' AGL/1239' MSL. Tower 5267' from DER, 382' left of centerline, 160' AGL/1390' MSL. Tower 6206' from DER, 171' right of centerline, 160' AGL/1440' MSL.

CHILLICOTHE, MO
CHILLICOTHE MUNI (CHT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09183 (FAA)
TAKEOFF MINIMUMS: Rw 2, 20, NA-Environmental. TAKEOFF OBSTACLE NOTES: Rw 14, trees beginning 287' from DER, 261' left of centerline, up to 150' AGL/884' MSL. Vehicle on road 542' from DER, 454' right of centerline, 15' AGL/779' MSL. Antenna 1338' from DER, 349' left of centerline, 46' AGL/806' MSL. Tree 3217' from DER, 1285' right of centerline, 150' AGL/884' MSL. Rw 32, trees beginning 12' from DER, 63' left of centerline, up to 150' AGL/898' MSL. Pole 142' from DER, 368' left of centerline, 43' AGL/792' MSL. Trees beginning 164' from DER, 129' right of centerline, up to 150' AGL/924' MSL.

CLARINDA, IA
SCHENCK FIELD (ICL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 17173 (FAA)
TAKEOFF MINIMUMS: Rwys 13, 31, NA - environmental. DEPARTURE PROCEDURE: Rw 2, climb on heading 020° to 2400 before turning. TAKEOFF OBSTACLE NOTES: Rw 2, tree 48' from DER, 486' right of centerline, 1000' MSL. Transmission tower 104' from DER, 362' right of centerline, 1014' MSL. Pole 144' from DER, 279' left of centerline, up to 38' AGL/1025' MSL. Tree 2290' from DER, 481' right of centerline, 1057' MSL. Elevator 2672' from DER, 206' right of centerline, 1079' MSL. Rw 20, vehicles on road beginning 196' from DER, 382' right of centerline, up to 15' AGL/1023' MSL. Vehicles on road beginning 365' from DER, 535' left of centerline, 15' AGL/1017' MSL. Vehicles on road beginning 422' from DER, 400' left of centerline, 15' AGL/1018' MSL. Pole 470' from DER, 5' right of centerline, up to 83' AGL/1073' MSL. Vehicles on road beginning 491' from DER, 93' left of centerline, up to 1005' MSL. Trees beginning 1071' from DER, 44' left of centerline, up to 1026' MSL. Tree 1398' from DER, 187' left of centerline, 1028' MSL. Pole 1716' from DER, 481' left of centerline, up to 1037' MSL. Trees beginning 2144' from DER, 23' left of centerline, up to 1050' MSL.

CLARION, IA
CLARION MUNI (CAV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE
AMDT 1 10042 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 14, tree 345' from DER, 551' left of centerline, 100' AGL/1264' MSL. Rw 32, trees beginning 134' from DER, 396' left of centerline, up to 100' AGL/1254' MSL. Vehicle on road 333' from DER, 572' right of centerline, up to 15' AGL/1174' MSL.

CLINTON, IA
CLINTON MUNI (CWI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10126 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 3, trees beginning 34' from DER, 393' left of centerline, up to 20' AGL/711' MSL. Obstruction light on DME 387' from DER, 264' left of centerline, 11' AGL/720' MSL. Rw 14, vehicle on road 56' from DER, 483' right of centerline, 15' AGL/694' MSL. Vehicle on road 391' from DER, 3' left of centerline, 15' AGL/702' MSL. Rw 21, tree 405' from DER, 500' left of centerline, 16' AGL/706' MSL. Rw 32, vehicle on road 38' from DER, 319' left of centerline, 15' AGL/716' MSL. Fence 169' from DER, 192' right of centerline, 8' AGL/706' MSL. Vehicle on road 508' from DER, 8' left of centerline, 15' AGL/718' MSL. Trees beginning 1302' from DER, 448' left of centerline, up to 68' AGL/767' MSL. Antenna on hopper 1315' from DER, 850' left of centerline, 82' AGL/781' MSL.
**CLINTON, MO**

**CLINTON RGNL (GLY)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 1 14093 (FAA)**

**TAKEOFF OBSTACLE NOTES:** Rwy 4, sign 15’ from DER, 124’ left of centerline, 5’ AGL/824’ MSL. Trees 100’ from DER, 370’ right of centerline. Trees beginning 101’ from DER, 370’ right of centerline, up to 79’ AGL/878’ MSL. Trees beginning 456’ from DER, 56’ right of centerline, up to 26’ AGL/848’ MSL. Tree 662’ from DER, 30’ left of centerline, 22’ AGL/844’ MSL. Tree 892’ from DER, 296’ left of centerline, 23’ AGL/845’ MSL. Trees beginning 1624’ from DER, 853’ right of centerline, 78’ AGL/888’ MSL. Trees beginning 1991’ from DER, 700’ left of centerline, up to 56’ AGL/876’ MSL. Rwy 16, road 8’ from DER, left to right of centerline, 15’ AGL/819’ MSL. Terrain 73’ from DER, 315’ left of centerline, 808’ MSL. Trees beginning 183’ from DER, 306’ left of centerline, up to 84’ AGL/892’ MSL. Trees beginning 434’ from DER, 571’ right of centerline, up to 52’ AGL/855’ MSL. Trees beginning 1396’ from DER, 632’ right of centerline, up to 69’ AGL/828’ MSL. Trees beginning 1725’ from DER, 576’ right of centerline, up to 64’ AGL/848’ MSL. Bush 183’ from DER, 306’ left of centerline, 6’ AGL/809’ MSL.

Rwy 22, tree 19’ from DER, 349’ left of centerline, 26’ AGL/845’ MSL. Trees beginning 189’ from DER, 213’ left of centerline, up to 54’ AGL/864’ MSL. Trees and poles beginning 640’ from DER, left and right of centerline, up to 67’ AGL/887’ MSL. Powerlines beginning 1289’ from DER, left and right of centerline, up to 46’ AGL/866’ MSL. Rwy 36, tree 38’ from DER, 505’ right of centerline, 23’ AGL/832’ MSL. Trees beginning 153’ from DER, 414’ right of centerline, up to 79’ AGL/888’ MSL. Trees, terrain and buildings beginning 106’ from DER, 219’ left of centerline, up to 69’ AGL/878’ MSL. Bushes beginning 221’ from DER, 431’ left of centerline, up to 14’ AGL/823’ MSL.

**COLUMBIA, MO**

**COLUMBIA RGNL (COU)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 6 17285 (FAA)**

**DEPARTURE PROCEDURE:** Rwy 31, climb heading 315° to 1900 before turning right.

**TAKEOFF OBSTACLE NOTES:** Rwy 2, trees beginning 71’ from DER, 13’ right of centerline, up to 110’ AGL/993’ MSL. Trees beginning 93’ from DER, 97’ left of centerline, up to 110’ AGL/993’ MSL. Trees beginning 1548’ from DER, 9’ right of centerline, up to 110’ AGL/993’ MSL. Trees beginning 51’ from DER, 113’ right of centerline, up to 110’ AGL/993’ MSL. Trees beginning 601’ from DER, 32’ right of centerline, up to 110’ AGL/996’ MSL. Rwy 20, trees beginning 32’ from DER, 22’ left of centerline, up to 110’ AGL/993’ MSL. Trees beginning 118’ from DER, 87’ right of centerline, up to 110’ AGL/990’ MSL. Trees beginning 1400’ from DER, 86’ right of centerline, up to 110’ AGL/993’ MSL. Rwy 31, trees beginning 92’ from DER, 6’ left of centerline, up to 110’ AGL/996’ MSL. Trees beginning 191’ from DER, 0’ of centerline, up to 110’ AGL/996’ MSL.

**CORNING, IA**

**CORNING MUNI (CRZ)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 2 07354 (FAA)**

**TAKEOFF OBSTACLE NOTES:** Rwy 18, road w/ vehicle, 159’ from DER, on centerline, 23’ AGL/1262’ MSL. Trees beginning 161’ from DER, 110’ left of centerline, up to 100’ AGL/1329’ MSL. Rwy 36, trees beginning 945’ from DER, 319’ left of centerline, up to 100’ AGL/1339’ MSL. Trees 1212’ from DER, 653’ right of centerline, 100’ AGL/1309’ MSL.

**COUNCIL BLUFFS, IA**

**COUNCIL BLUFFS MUNI (CBF)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 1 11125 (FAA)**

**TAKEOFF OBSTACLE NOTES:** Rwy 18, trees 73’ from DER, 463’ right of centerline, 100’ AGL/1269’ MSL. Rwy 32, trees beginning 782’ from DER, 91’ right of centerline, 100’ AGL/1299’ MSL. Trees 1310’ from DER, 206’ left of centerline, 100’ AGL/1329’ MSL. Rwy 36, trees 1196’ from DER, 453’ right of centerline, 100’ AGL/1279’ MSL.

**CRESCO, IA**

**ELLEN CHURCH FIELD (CJJ)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**ORIG 88182 (FAA)**

**DEPARTURE PROCEDURE:** Rws 15, 33, climb runway heading to 1700 before turning.

**CRESTON, IA**

**CRESTON MUNI (CSQ)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 2 07018 (FAA)**

**TAKEOFF MINIMUMS:** Rws 4, 22, NA-Environmental.

**TAKEOFF OBSTACLE NOTES:** Rwy 16, multiple trees and terrain beginning 152’ from DER, 128’ left of centerline, up to 70’ AGL/1360’ MSL. Multiple bushes and terrain beginning 91’ from DER, 93’ right of centerline, up to 10’ AGL/1313’ MSL. Pole 242’ from DER, 199’ right of centerline, 7’ AGL/1301’ MSL. Rwy 34, terrain 561’ from DER, 17’ left of centerline, 1300’ MSL. Terrain beginning 169’ from DER, 236’ right of centerline, up to 1309’ MSL. Road/vehicle 756’ from DER, on centerline, 15’ AGL/1314’ MSL.

**CUBA, MO**

**CUBA MUNI (UXB)**

**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

**AMDT 2 11013 (FAA)**

**TAKEOFF OBSTACLE NOTES:** Rwy 18, terrain, trees, and power poles beginning at DER, left and right of centerline, up to 100’ AGL/1139’ MSL. Trees 2224’ from DER, 859’ left of centerline, 100’ AGL/1159’ MSL. Rwy 36, terrain, trees, power poles, and cars on roadway beginning at DER, left and right of centerline, up to 100’ AGL/1145’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

DAVENPORT, IA

DAVENPORT MUNI (DVN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11069 (FAA)
DEPARTURE PROCEDURE: Rwy 15, climb heading 149° to 2400 before turning left. Rwy 21, climb heading 209° to 1400 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 3, vehicles on roadway, rising terrain and trees beginning 19' from DER, 58' left of centerline, up to 65' AGL/810' MSL. Vehicles on roadway, rising terrain and trees beginning 536' from DER, 32' right of centerline, up to 36' AGL/777' MSL. Rwy 15, rising terrain and trees beginning 54' from DER, 49' left of centerline, up to 100' AGL/849' MSL. Rising terrain and trees beginning 85' from DER, 62' right of centerline, up to 79' AGL/810' MSL. Rwy 21, rising terrain and trees beginning 53' from DER, left and right of centerline, up to 43' AGL/784' MSL. Rwy 33, rising terrain beginning at DER, left and right of centerline, up to 784' MSL.

DECORAH, IA

DECORAH MUNI (DEH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 111125 (FAA)
DEPARTURE PROCEDURE: Rwy 29, Climb heading 294° to 1600 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 11, terrain beginning 50' from DER, 216' left of centerline, up to 1166' MSL. Terrain beginning 23' from DER, 218' right of centerline, up to 1170' MSL. Vehicle on road 406' left of centerline, crossing left to right, up to 15' AGL/1189' MSL. Poles beginning 378' from DER, 28' left of centerline, up to 63' AGL/1223' MSL. Tree 89' from DER, 337' left of centerline, 10' AGL/1170' MSL. Trees 770' from DER, 201' left of centerline, 37' AGL/1197' MSL. Buildings and signs 1475' from DER, 198' left of centerline, up to 930' MSL. Tree 2508' from DER, vehicle on roadway beginning 199' from DER, 30' right of centerline, up to 930' MSL. Rwy 31, tree 2508' from DER, 907' right of centerline, 1002' MSL. Tree 1830' from DER, 918' left of centerline, up to 1038' MSL. Trees beginning 3572' from DER, 37' left of centerline, up to 1035' MSL. Trees beginning 3572' from DER, 37' left of centerline, up to 1035' MSL. Rwy 13, tree 1427' from DER, 830' left of centerline, 1002' MSL. Tree 1830' from DER, 918' right of centerline, 1017' MSL. Tree 2970' from DER, 1142' left of centerline, 1033' MSL. Rwy 23, vehicle on road beginning 199' from DER, 30' right of centerline, up to 930' MSL. Rwy 31, tree 2508' from DER, 907' right of centerline, 977' MSL.

DENISON, IA

DENISON MUNI (DNS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08269 (FAA)
TAKEOFF MINIMUMS: Rwys 6, 18, 24, 36, NA-Environmental.
TAKEOFF OBSTACLE NOTES: Rwy 12, trees beginning 10' from DER, 202' left of centerline, up to 100' AGL/1352' MSL, trees beginning 239' from DER, 190' right of centerline, up to 100' AGL/1352' MSL.

DES MOINES, IA

DES MOINES INTL (DSM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 11A 8032 (FAA)
DEPARTURE PROCEDURE: Rwy 5, climb heading 053° to 1500 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 5, NA-AVAID 40' from DER, 115' left of centerline, 4' AGL/936' MSL. Terrain 233' from DER, 503' left of centerline, 941' MSL. Fence 623' from DER, 589' left of centerline, 8' AGL/951' MSL. Vehicle on road 934' from DER, 669' left of centerline, 959' MSL. Trees and pole beginning 986' from DER, 400' left of centerline, up to 1020' MSL. Pole 2280' from DER, 364' right of centerline, 71' AGL/1001' MSL. Tree and pole beginning 2312' from DER, 377' right of centerline, up to 1004' MSL. Trees beginning 2341' from DER, 566' right of centerline, up to 1015' MSL. Tree 2432' from DER, 881' right of centerline, 1018' MSL. Trees beginning 2453' from DER, 566' right of centerline, up to 1020' MSL. Trees beginning 2609' from DER, 614' right of centerline, up to 1026' MSL. Trees beginning 3175' from DER, 218' right of centerline, up to 1048' MSL. Tree 3567' from DER, 1042' left of centerline, 1035' MSL. Trees beginning 3572' from DER, 37' left of centerline, up to 1036' MSL. Rwy 13, tree 1427' from DER, 830' left of centerline, 1002' MSL. Tree 1830' from DER, 918' right of centerline, 1017' MSL. Tree 2970' from DER, 1142' left of centerline, 1033' MSL. Rwy 23, vehicle on road beginning 199' from DER, 30' right of centerline, up to 930' MSL. Rwy 31, tree 2508' from DER, 907' right of centerline, 977' MSL.

DEXTER, MO

DEXTER MUNI (DXE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 08213 (FAA)
TAKEOFF MINIMUMS: Rwy 36, std. w/ min. climb of 251' per NM to 1100 or 900-2½ for climb in visual conditions. DEPARTURE PROCEDURE: Rwy 36, for climb in visual conditions: Cross Dexter Muni airport at or above 1100 MSL before proceeding on course. TAKEOFF OBSTACLE NOTES: Rwy 36, trees and wind sock beginning 144' from DER, 128' right of centerline, up to 87' AGL/399' MSL. Trees beginning 2295' from DER, 169' right of centerline, up to 78' AGL/388' MSL. Trees beginning 2342' from DER, 164' left of centerline, up to 74' AGL/387' MSL.

12 SEP 2019 to 10 OCT 2019
12 SEP 2019 to 10 OCT 2019
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

DUBUQUE, IA
DUBUQUE RGNL (DBQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06271 (FAA)
TAKEOFF MINIMUMS: Rwys 13, 200-1/4 or std. w/ min. climb of 226' per NM to 1300, or alternatively, w/ standard takeoff minimums and a normal 200/NM climb gradient, takeoff must occur no later than 1700' prior to DER.
TAKEOFF OBSTACLE NOTES: Rwys 13, multiple trees and poles beginning 2916' from DER, 20' left of centerline, up to 74' AGL/1185' MSL. Multiple trees and poles beginning 4857' from DER, 559' right of centerline, up to 68' AGL/1227' MSL. Rwys 18, elevator 3457' from departure end of runway, 242' left of centerline, 80' AGL/1150' MSL. Tree 1987' from DER, 938' right of centerline, up to 85' AGL/1168' MSL.

EAGLE GROVE, IA
EAGLE GROVE MUNI (EAG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 10042 (FAA)
TAKEOFF MINIMUMS: Rwys 1, 19, NA-Environmental.
TAKEOFF OBSTACLE NOTES: Rwys 13, vehicle on road 520' from DER, 495' left of centerline, 15' AGL/1154' MSL. Train on tracks, 493' from DER, 626' left of centerline, 23' AGL/1152' MSL. Trees beginning 4352' from DER, 1120' left of centerline, up to 100' AGL/1239' MSL. Rwys 31, vehicle on road abeam DER, 281' left of centerline, 15' AGL/1154' MSL.

ELDON, MO
ELDON MODEL AIRPARK (H79)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 19227 (FAA)
DEPARTURE PROCEDURE: Rwys 18, climb heading 182° to 1600 before turning right.
TAKEOFF OBSTACLE NOTES: Rwys 18, fuel farm/utilities, rising terrain and vehicles on road beginning 8' from DER, 76' left of centerline, up to 17' AGL/917' MSL. Utilities 10' from DER, 78' right of centerline, 6' AGL/907' MSL. Vertical structure 58' from DER, 311' right of centerline, 922' MSL. Pole, fence and vehicles on road beginning 363' from DER, 296' right of centerline, up to 938' MSL. Trees, fence, building, poles and vehicles on road beginning 1218' from DER, 321' left of centerline, up to 987' MSL.

EMMETSBURG, IA
EMMETSBURG MUNI (EGQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10042 (FAA)
TAKEOFF MINIMUMS: Rwys 4, 22, 17, 35, NA-Environmental.
TAKEOFF OBSTACLE NOTES: Rwys 13, trees beginning 754' from DER, 663' right of centerline, up to 45' AGL/1254' MSL. Rwys 31, trees beginning 392' from DER, 280' left of centerline, up to 45' AGL/1254' MSL. Trees beginning 1001' from DER, 393' right of centerline, up to 1008' MSL.
**EXCELSIOR SPRINGS, MO**
EXCELSIOR SPRINGS MEMORIAL (3EX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)
TAKEOFF MINIMUMS: Rwy 3, 21, 300-1.
TAKEOFF OBSTACLE NOTES: Rwy 3, trees beginning 678' from DER, 22' left of centerline, up to 150' AGL/1159' MSL. Trees beginning 1897' from DER, 932' right of centerline, up to 150' AGL/1199' MSL. Vehicles on roads beginning 54' from DER, left and right of centerline, up to 15' AGL/1003' MSL. Rwy 21, trees beginning 384' from DER, 176' left of centerline, up to 150' AGL/1159' MSL. Trees beginning 565' from DER, 127' right of centerline, up to 150' AGL/1149' MSL.

**FARMINGTON, MO**
FARMINGTON RGNL (FAM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07074 (FAA)
TAKEOFF MINIMUMS: Rwy 8, 26, NA-environmental.

**FAIRFIELD, IA**
FAIRFIELD MUNI (FLL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 15288 (FAA)
DEPARTURE PROCEDURE: Rwy 20, climb heading 202° to 2100 before turning right.
TAKEOFF OBSTACLE NOTES: Rwy 2, trees, poles, fence, road, vehicle on road, and buildings beginning 77' from DER, 21' left of centerline, up to 83' AGL/1049' MSL. Trees, poles, antenna, road, and terrain beginning 41' from DER, 3' right of centerline, up to 85' AGL/1045' MSL. Rwy 20, trees beginning 50' from DER, 386' left of centerline, up to 76' AGL/956' MSL. Trees, poles, vehicle on road, and terrain beginning 92' from DER, 175' right of centerline, up to 90' AGL/950' MSL.

**FESTUS, MO**
FESTUS MEMORIAL (FES)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 15288 (FAA)
TAKEOFF MINIMUMS: Rwy 1, 400-2/4 or std. w/min. climb of 479' per NM to 1000. Rwy 19, 400-2/4 or std. w/min. climb of 321' per NM to 1000.
DEPARTURE PROCEDURE: Rwy 1, climb heading 010° to 1100 before proceeding on course. Rwy 19, climb heading 190° to 1100 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 1, trees beginning 34' from DER, 231' left of centerline, up to 125' AGL/565' MSL. Trees beginning 617' from DER, 568' right of centerline, up to 125' AGL/565' MSL. Trees beginning 3121' from DER, 1314' right of centerline, up to 125' AGL/625' MSL. Tank 1.36 NM from DER, 1357' right of centerline, 209' AGL/641' MSL. Rwy 19, railroad 84' from DER, 450' right of centerline, 23' AGL/442' MSL. Trees beginning 1125' from DER, 619' left of centerline, up to 125' AGL/525' MSL. Trees beginning 2844' from DER, 1085' right of centerline, up to 125' AGL/564' MSL. Trees beginning 4690' from DER, 1715' right of centerline, up to 125' AGL/624' MSL.

**FOREST CITY, IA**
FOREST CITY MUNI (FXY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10042 (FAA)
TAKEOFF MINIMUMS: Rwy 33, 300-2/4 or std. w/ a min. climb of 242' per NM to 1700.
DEPARTURE PROCEDURE: Rwy 33, climb heading 332° to 1800 before turning right.
TAKEOFF OBSTACLE NOTES: Rwy 9, trees beginning 4' from DER, 106' right of centerline, up to 70' AGL/1289' MSL. Trees beginning 551' from DER, 382' left of centerline, up to 70' AGL/1269' MSL. Rwy 15, trees beginning 27' from DER, 345' left of centerline, up to 70' AGL/1256' MSL. Posts beginning 7' from DER, 142' right of centerline, up to 10' AGL/1209' MSL. Rwy 27, train 266' from DER, left and right of centerline, up to 23' AGL/1232' MSL. Rwy 33, vehicles on road beginning 344' from DER, left and right of centerline, up to 1223' MSL. Building 162' from DER, 483' left of centerline, 24' AGL/1224' MSL. Electrical systems beginning 250' from DER, 441' left of centerline, up to 47' AGL/1247' MSL. Trees beginning 429' from DER, 26' left of centerline, up to 70' AGL/1235' MSL.

**FORT DODGE, IA**
FORT DODGE RGNL (FOD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09351 (FAA)
DEPARTURE PROCEDURE: Rwy 24, Climb heading 200° to 2100 before turning right.
TAKEOFF OBSTACLE NOTES: Rwy 6, trees beginning 106' from DER, 284' left of centerline, up to 16' AGL/1166' MSL. Trees beginning 1138' from DER, 665' left of centerline, up to 76' AGL/1226' MSL. Rwy 12, pole beginning 431' from DER, 504' left of centerline, 31' AGL/1171' MSL. Trees beginning 456' from DER, 481' left of centerline, up to 39' AGL/1179' MSL. Building 592' from DER, 484' left of centerline, 24' AGL/1164' MSL. Poles beginning 1037' from DER, 306' right of centerline, up to 41' AGL/1171' MSL. Trees beginning 1227' from DER, 540' right of centerline, up to 68' AGL/1190' MSL. Feed drop 1901' from DER, 774' right of centerline, 84' AGL/1204' MSL. Rwy 24, sign 54' from DER, 253' left of centerline, 13' AGL/1083' MSL. Sign 57' from DER, 245' right of centerline, up to 15' AGL/1085' MSL. Trees beginning 177' from DER, 495' right of centerline, up to 44' AGL/1114' MSL. Rwy 30, trees beginning 71' from DER, left and right of centerline, up to 67' AGL/1167' MSL. Poles beginning 211' from DER, 421' left of centerline, up to 45' AGL/1135' MSL. Poles beginning 878' from DER, 54' right of centerline, up to 39' AGL/1139' MSL.
FORT LEONARD WOOD, MO
WAYNESVILLE-ST ROBERT RGNL
FORNEY FIELD (TBN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1  19227  (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 15, pole 11' from DER, 54' left of centerline, 3' AGL/1156' MSL. Pole 12' from DER, 54' right of centerline, 3' AGL/1156' MSL.
Terrain 22' from DER, 282' left of centerline, 1159' MSL. General utility 112' from DER, 409' left of centerline, 5' AGL/1168' MSL. Terrain, sign, NAVAID beginning 163' from DER, on centerline, up to 1169' MSL. Pole 205' from DER, 453' right of centerline, 31' AGL/1172' MSL. NAVAID, vehicle on traverse way beginning 270' from DER, on centerline, up to 24' AGL/1172' MSL. Fence beginning 381' from DER, 77' left of centerline, up to 1176' MSL. Tree 851' from DER, 713' right of centerline, 1099' MSL. Tree 2098' from DER, 641' right of centerline, 1138' MSL. Tree 2111' from DER, 323' right of centerline, up to 957' MSL. Trees beginning 2234' from DER, 119' right of centerline, up to 962' MSL. Trees beginning 2348' from DER, 498' right of centerline, up to 963' MSL. Tree 1.4 NM from DER, 2752' right of centerline, 1099' MSL. Trees beginning 1.4 NM from DER, 2688' right of centerline, up to 1120' MSL. Trees beginning 1.4 NM from DER, 2685' right of centerline, up to 1136' MSL. Trees beginning 1.5 NM from DER, 2640' right of centerline, up to 1138' MSL. Trees beginning 1.5 NM from DER, 2558' right of centerline, up to 1141' MSL. Tree 1.5 NM from DER, 2383' right of centerline, 1146' MSL. Trees beginning 1.5 NM from DER, 2079' right of centerline, up to 1149' MSL. Trees beginning 1.5 NM from DER, 2489' right of centerline, up to 1159' MSL. Trees beginning 1.5 NM from DER, 1894' right of centerline, up to 1162' MSL. Trees beginning 1.6 NM from DER, 1882' right of centerline, up to 1169' MSL. Trees beginning 1.6 NM from DER, 2091' right of centerline, up to 1171' MSL. Trees beginning 1.6 NM from DER, 1590' right of centerline, up to 1174' MSL. Trees beginning 1.6 NM from DER, 1840' right of centerline, up to 1177' MSL. Tree 1.7 NM from DER, 2717' right of centerline, 1151' MSL. Rwy 18, pole 10' from DER, 50' right of centerline, 26' AGL/876' MSL.

FREDERICKTOWN, MO
A PAUL VANCE FREDERICKTOWN RGNL (H88)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A  18256  (FAA)
TAKEOFF MINIMUMS:
Rwy 1, 300-2¼ or std. w/min. climb of 245' per NM to 1300.
TAKEOFF OBSTACLE NOTES:
Rwy 1, trees beginning 9' from DER, 198' right of centerline, up to 955' MSL. Tree 27' from DER, 121' left of centerline, 876' MSL. Tree 318' from DER, 431' left of centerline, 915' MSL. Trees beginning 522' from DER, 188' left of centerline, up to 938' MSL. Tree 2098' from DER, 641' right of centerline, 956' MSL. Trees beginning 2111' from DER, 323' right of centerline, up to 957' MSL. Trees beginning 2234' from DER, 119' right of centerline, up to 962' MSL. Trees beginning 2348' from DER, 498' right of centerline, up to 963' MSL. Tree 1.4 NM from DER, 2752' right of centerline, 1099' MSL. Trees beginning 1.4 NM from DER, 2688' right of centerline, up to 1120' MSL. Trees beginning 1.4 NM from DER, 2685' right of centerline, up to 1136' MSL. Trees beginning 1.5 NM from DER, 2640' right of centerline, up to 1138' MSL. Trees beginning 1.5 NM from DER, 2558' right of centerline, up to 1141' MSL. Tree 1.5 NM from DER, 2383' right of centerline, 1146' MSL. Trees beginning 1.5 NM from DER, 2079' right of centerline, up to 1149' MSL. Trees beginning 1.5 NM from DER, 2489' right of centerline, up to 1159' MSL. Trees beginning 1.5 NM from DER, 1894' right of centerline, up to 1162' MSL. Trees beginning 1.6 NM from DER, 1882' right of centerline, up to 1169' MSL. Trees beginning 1.6 NM from DER, 2091' right of centerline, up to 1171' MSL. Trees beginning 1.6 NM from DER, 1590' right of centerline, up to 1174' MSL. Trees beginning 1.6 NM from DER, 1840' right of centerline, up to 1177' MSL. Tree 1.7 NM from DER, 2717' right of centerline, 1151' MSL. Rwy 18, pole 10' from DER, 50' right of centerline, 26' AGL/876' MSL.

FULTON, MO
ELTON HENSLEY MEMORIAL (FTT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A  18144  (FAA)
TAKEOFF MINIMUMS:
Rwys 12, 30, NA - environmental.
DEPARTURE PROCEDURE:
Rwy 36, climb heading 001° to 1400 before turning right.
TAKEOFF OBSTACLE NOTES:
Rwy 18, tree 1506' from DER, 809' right of centerline, 100' AGL/989' MSL. Rwy 36, tree 1809' from DER, 272' right of centerline, 46' AGL/923' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

GRAIN VALLEY, MO
EAST KANSAS CITY (3GV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 14317 (FAA)
TAKEOFF MINIMUMS: Rwy 9, 300-1½ or std. w/min. climb of 225' per NM to 1200 or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER. Rwy 23, 300-1½ or std. w/min. climb of 363' per NM to 1100. TAKEOFF OBSTACLE NOTES: Rwy 5, vehicles beginning 27' from DER, 208' left of centerline, up to 15' AGL/854' MSL. Hangars beginning 42' from DER, 261' right of centerline, up to 24' AGL/873' MSL. Trees beginning 1' from DER, 208' left of centerline, up to 100' AGL/939' MSL. Trees beginning 533' from DER, 554' right of centerline, up to 100' AGL/939' MSL. Rwy 9, vehicles beginning 2' from DER, 175' right of centerline, up to 15' AGL/825' MSL. Train beginning 6' from DER, 203' right of centerline, up to 23' AGL/833' MSL. Trees beginning 7' from DER, 320' left of centerline, up to 100' AGL/920' MSL. Rwy 10, vehicles beginning 16' from DER, 432' right of centerline, up to 24' AGL/863' MSL. Trees beginning 35' from DER, 271' left side of centerline, up to 100' AGL/919' MSL. Trees beginning 1931' from DER, 796' right of centerline, up to 100' AGL/919' MSL. Trees beginning 3501' from DER, 1335' left of centerline, up to 100' AGL/1020' MSL. Trees beginning 1.1 NM from DER, 150' right of centerline, up to 100' AGL/1000' MSL. Trees beginning 1.12 NM from DER, 351' left of centerline, up to 100' AGL/1050' MSL. Rwy 23, trees beginning 16' from DER, 432' right of centerline, up to 100' AGL/919' MSL. Trees beginning 1931' from DER, 796' right of centerline, up to 100' AGL/919' MSL. Trees beginning 3501' from DER, 1335' left of centerline, up to 100' AGL/1020' MSL. Trees beginning 1.1 NM from DER, 150' right of centerline, up to 100' AGL/1000' MSL. Trees beginning 1.12 NM from DER, 351' left of centerline, up to 100' AGL/1050' MSL. Rwy 27, trees beginning 34' from DER, 458' left of centerline, up to 100' AGL/919' MSL. Vehicles beginning 26' from DER, 145' right of centerline, up to 15' AGL/854' MSL. Trees beginning 2148' from DER, 687' left of centerline, up to 100' AGL/949' MSL. Trees beginning 4410' from DER, 357' right of centerline, up to 100' AGL/1050' MSL.

GREENFIELD, IA
GREENFIELD MUNI (GFZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10103 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 7, terrain 26' from DER, 252' left of centerline, up to 1367' MSL. Rwy 14, trees beginning 431' from DER, 327' left of centerline, up to 100' AGL/1479' MSL. Vehicle on road 297' from DER, 60' right of centerline, 15' AGL/1374' MSL. Rwy 25, terrain, trees and fence beginning 96' from DER, 160' left of centerline, up to 38' AGL/1397' MSL. Rwy 32, tree 906' from DER, 292' left of centerline, 100' AGL/1439' MSL.

GIDEON, MO
GIDEON MEMORIAL (M85)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13122 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 15, vehicle on road beginning 171' from DER, left and right of centerline, up to 15' AGL/284' MSL. Power lines beginning 521' from DER, 296' left of centerline, up to 40' AGL/309' MSL. Trees beginning 874' from DER, 577' left of centerline up to 150' AGL/419' MSL. Rwy 33, vehicle on road beginning 204' from DER, 283' left of centerline, up to 15' AGL/284' MSL. Trees and poles beginning 481' from DER, 224' left of centerline, up to 150' AGL/419' MSL. Building 574' from DER, 374' left of centerline, 20' AGL/289' MSL. Powerlines beginning 891' from DER, left and right of centerline, up to 40' AGL/309' MSL. Mill and water tower beginning 1920' from DER, 813' left of centerline, up to 142' AGL/411' MSL.

GRINNELL, IA
GRINNELL RGNL (GGI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08157 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 13, road plus vehicles beginning 164' from DER, 497' left of centerline, 15' AGL/1024' MSL. Trees beginning 958' from DER, 324' left of centerline, up to 50' AGL/1059' MSL. Rwy 31, tree 681' from DER, 589' right of centerline, up to 75' AGL/1075' MSL. Tree 716' from DER, 610' left of centerline, up to 50' AGL/1009' MSL. Road plus vehicle beginning 22' from DER, 215' right of centerline, 15' AGL/995' MSL. Multiple poles and buildings beginning 492' from DER, 249' right of centerline, up to 23' AGL/1032' MSL.

GUTHRIE CENTER, IA
GUTHRIE COUNTY RGNL (GCT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10126 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 18, vehicle on road 599' from DER, 9' left of centerline, 15' AGL/1234' MSL. Tree beginning 1083' from DER, 432' right of centerline, 100' AGL/1319' MSL. Tree beginning 1147' from DER, 141' left of center, 100' AGL/1319' MSL. Rwy 36, tree beginning 1609' from DER, 432' right of centerline, 100' AGL/1319' MSL. Tree beginning 604' from DER, 240' left of centerline, 100' AGL/1319' MSL.

HAMPION, IA
HAMPION MUNI (HPT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 11069 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 17, 400-1. Rwy 35, 300-1 or std. w/min. climb of 471' per NM to 1500. TAKEOFF OBSTACLE NOTES: Rwy 17, tower 238' from DER, 536' left of centerline, 30' AGL/1188' MSL.
HANNIBAL, MO
HANNIBAL RGNL (HAE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09127 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 17, trees beginning 15’ from DER, 205’ right of centerline, up to 80’ AGL/819’ MSL. Rwy 35, trees beginning 377’ from DER, 90’ left of centerline, up to 60’ AGL/809’ MSL. Trees beginning 1870’ from DER, 103’ right of centerline, up to 66’ AGL/814’ MSL.

HARLAN, IA
HARLAN MUNI (HNR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMTD 1  10266 (FAA)
TAKEOFF MINIMUMS: Rwy 3, 21, NA-Environmental. Rwy 15, 300-1½ or std. w/ min. climb of 250’ per NM to 1600.
TAKEOFF OBSTACLE NOTES: Rwy 15, vehicle on road beginning 207’ from DER, left and right of centerline, up to 17’ AGL/1216’ MSL. Pole and parked plane beginning 151’ from DER, 361’ left of centerline, 10’ AGL/1210’ MSL. Power pole 989’ from DER, 9’ right of centerline, up to 50’ AGL/1249’ MSL. Trees beginning 3253’ from DER, 624’ left of centerline, up to 100’ AGL/1439’ MSL.

HARRISONVILLE, MO
LAWRENCE SMITH MEMORIAL (LRY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08045 (FAA)
TAKEOFF MINIMUMS: Rwy 35, 300-1½ or std. w/ min. climb of 346’ per NM to 1300.
TAKEOFF OBSTACLE NOTES: Rwy 17, vehicle on road 660’ from DER, 618’ left of centerline, 15’ AGL/914’ MSL. Tree 26’ from DER, 448’ left of centerline, up to 100’ AGL/937’ MSL. Multiple trees beginning 1271’ from DER, 277’ left of centerline, up to 50’ AGL/925’ MSL. Trees beginning 1722’ from DER, 500’ right of centerline, up to 100’ AGL/959’ MSL. Rwy 35, Multiple trees beginning 69’ from DER, 439’ left of centerline, up to 57’ AGL/984’ MSL. Vehicle on road 620’ from DER, on centerline, up to 15’ AGL/1153’ MSL.

HIGGINSVILLE, MO
HIGGINSVILLE INDUSTRIAL MUNI (HIG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06271 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 16, multiple trees beginning 87’ from DER, 389’ right of centerline, up to 100’ AGL/879’ MSL. Multiple trees beginning 472’ from DER, 313’ left of centerline, up to 100’ AGL/889’ MSL. Multiple trees beginning 626’ from DER, 472’ left of centerline, up to 75’ AGL/854’ MSL. Rwy 34, multiple trees beginning 23’ from DER, 155’ right of centerline, up to 100’ AGL/949’ MSL. Multiple trees beginning 1860’ from DER, 76’ right of centerline, up to 100’ AGL/919’ MSL. Road 644’ from DER, on centerline, 15’ AGL/864’ MSL.

HOUSTON, MO
HOUSTON MEMORIAL (M48)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12264 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 16, tree 93’ from DER, 331’ right of centerline, 80’ AGL/1225’ MSL. Spire, roofs, and trees beginning 184’ from DER, 440’ left of centerline, up to 76’ AGL/1257’ MSL. Rwy 34, trees beginning 180’ from DER, 311’ right of centerline, up to 70’ AGL/1289’ MSL. Trees beginning 34’ from DER, 280’ left of centerline, up to 80’ AGL/1281’ MSL.

INDEPENDENCE, IA
INDEPENDENCE MUNI (IIB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5  12040 (FAA)
DEPARTURE PROCEDURE: Rwy 18, climbing right turn heading 190° and CID R-338 to 3300 before proceeding on course. Rwy 36, climb heading 359° to 2200 before proceeding on course.

12 SEP 2019 to 10 OCT 2019

12 SEP 2019 to 10 OCT 2019
IOWA CITY, IA (CON’T)
IOWA CITY MUNI (IOW) (CON’T)
Rwy 25, runway light 9’ from DER, 40’ left of centerline, 1’ AGL/684’ MSL. Runway light 9’ from DER, 39’ right of centerline, 1’ AGL/684’ MSL. Vehicle, ground beginning 974’ from DER, 437’ left of centerline, up to 720’ MSL. Fence, vehicle, ground beginning 1098’ from DER, 421’ left of centerline, up to 12’ AGL/734’ MSL. Pole 1199’ from DER, 741’ right of centerline, 24’ AGL/735’ MSL. Pole, ground, vehicle beginning 1289’ from DER, 536’ left of centerline, up to 25’ AGL/751’ MSL. Building, vehicle, pole beginning 1315’ from DER, 173’ right of centerline, up to 26’ AGL/740’ MSL. Sign, vehicle beginning 1503’ from DER, 103’ right of centerline, up to 25’ AGL/743’ MSL. Pole, traverse way beginning from DER, 519’ right of centerline, 24’ AGL/747’ MSL. Building, building beginning 1616’ from DER, 532’ left of centerline, up to 19’ AGL/752’ MSL. Pole 1652’ from DER, 789’ left of centerline, 21’ AGL/758’ MSL. Transmission line, building beginning 1665’ from DER, 248’ right of centerline, up to 39’ AGL/754’ MSL. Tree, pole, vehicle beginning 1671’ from DER, 219’ left of centerline, up to 774’ MSL. Tree, pole, vehicle, building, flagpole, sign, building beginning 1753’ from DER, 9’ right of centerline, up to 787’ MSL. Pole, vehicle beginning 1805’ from DER, 44’ left of centerline, up to 24’ AGL/766’ MSL. Pole, sign, vehicle, building, windmill beginning 1884’ from DER, 5’ left of centerline, up to 34’ AGL/780’ MSL. Pole, building, sign, vehicle, building beginning 2365’ from DER, 2’ left of centerline, up to 45’ AGL/784’ MSL. Sign, pole, tree, vehicle, building building 2545’ from DER, 3’ left of centerline, up to 51’ AGL/801’ MSL. Pole, tree building 3325’ from DER, 432’ left of centerline, up to 55’ AGL/805’ MSL. Pole, tree, electrical system, vehicle beginning 3449’ from DER, 304’ left of centerline, up to 47’ AGL/809’ MSL. Tree 4405’ from DER, 479’ right of centerline, 797’ MSL. Pole, tree building 4418’ from DER, 292’ right of centerline, up to 802’ MSL. Trees beginning 4565’ from DER, 468’ right of centerline, up to 804’ MSL. Tree, pole beginning 4589’ from DER, 126’ right of centerline, up to 816’ MSL. Pole 5432’ from DER, 1408’ left of centerline, 60’ AGL/831’ MSL. Pole 5458’ from DER, 1642’ left of centerline, 58’ AGL/833’ MSL. Tree 1195’ from DER, 1377’ right of centerline, 845’ MSL. Rwy 30, lighting 9’ from DER, 17’ left of centerline, 2’ AGL/662’ MSL. Lighting, terrain beginning 9’ from DER, 17’ right of centerline, up to 2’ AGL/662’ MSL. Pole beginning 140’ from DER, 498’ right of centerline, up to 28’ AGL/690’ MSL. Pole 330’ from DER, 455’ right of centerline, 28’ AGL/692’ MSL. Tree 574’ from DER, 227’ left of centerline, 692’ MSL. Pole, beginning 1114’ from DER, 11’ right of centerline, up to 41’ AGL/712’ MSL. Pole, traverse way beginning 1191’ from DER, 6’ left of centerline, up to 34’ AGL/697’ MSL. Tree 1421’ from DER, 460’ right of centerline, 737’ MSL. Tree, pole beginning 1450’ from DER, 55’ right of centerline, up to 762’ MSL. Tree 1463’ from DER, 95’ left of centerline, 735’ MSL. Trees beginning 1508’ from DER, 36’ left of centerline, up to 741’ MSL. Trees beginning 1632’ from DER, 86’ left of centerline, up to 749’ MSL. Trees beginning 1690’ from DER, 137’ right of centerline, up to 784’ MSL. Tree, pole beginning 1723’ from DER, 21’ right of centerline, up to 798’ MSL. Trees beginning 1739’ from DER, 90’ left of centerline, up to 765’ MSL. Trees beginning 1943’ from DER, 36’ right of centerline, up to 774’ MSL. Trees beginning 2064’ from DER, 126’ right of centerline, up to 808’ MSL. CONT
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

IOWA CITY, IA (CON’T)
IOWA CITY MUNI (IOW) (CON’T)

Rwy 30 (CON’T), trees beginning 2325’ from DER, 151’ left of centerline, up to 776’ MSL. Tree 2428’ from DER, 846’ left of centerline, 783’ MSL. Trees beginning 2447’ from DER, 33’ left of centerline, up to 785’ MSL. Trees beginning 2610’ from DER, 18’ left of centerline, up to 799’ MSL. Tree, building beginning 2718’ from DER, 141’ left of centerline, up to 816’ MSL. Trees beginning 2762’ from DER, 46’ right of centerline, up to 826’ MSL. Tree, building beginning 2985’ from DER, 18’ left of centerline, up to 829’ MSL. Tree, building tower beginning 3180’ from DER, 81’ right of centerline, up to 830’ MSL. Trees beginning 3571’ from DER, 617’ right of centerline, up to 831’ MSL. Tree, pole, building beginning 4356’ from DER, 35’ right of centerline, up to 849’ MSL. Tower 1.5 NM from DER, 2500’ right of centerline, 256’ AGL/936’ MSL.

TAKEOFF OBSTACLE NOTES:
Rwy 30, multiple trees and buildings beginning 1092’ from DER, 349’ left of centerline, up to 100’ AGL/1239’ MSL. Rwy 31, multiple trees and buildings beginning 1023’ from DER, 750’ left of centerline, up to 100’ AGL/1259’ MSL.

JEFFERSON, IA
JEFFERSON MUNI (EFW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 10266 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 13, multiple trees and buildings beginning 1092’ from DER, 349’ left of centerline, up to 100’ AGL/1239’ MSL. Rwy 31, multiple trees and buildings beginning 1023’ from DER, 750’ left of centerline, up to 100’ AGL/1259’ MSL.

AMDT 8 07354 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 9, 100’ AGL/649’ MSL. Vehicles on road, pole and trees beginning 397’ from DER, 265’ right of centerline, up to 133’ AGL/681’ MSL.

JOPLIN, MO
JOPLIN RGNL (JLN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 17341 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 13, terrain 60’ from DER, 496’ right of centerline, 979’ MSL. Tree 476’ from DER, 501’ left of centerline, 989’ MSL. Tree 867’ from DER, 484’ right of centerline, 1008’ MSL. Tree 979’ from DER, 665’ right of centerline, 1017’ MSL. Tree 1057’ from DER, 448’ right of centerline, 1021’ MSL. Tree 1097’ from DER, 594’ right of centerline, 1029’ MSL. Trees beginning 1100’ from DER, 300’ left of centerline, up to 1028’ MSL. Trees beginning 1145’ from DER, 282’ right of centerline, up to 1033’ MSL. Trees beginning 1226’ from DER, 47’ right of centerline, up to 1036’ MSL. Tree 1332’ from DER, 598’ right of centerline, 1031’ MSL. Trees beginning 1405’ from DER, 15’ left of centerline, up to 1039’ MSL. Trees beginning 1680’ from DER, 37’ left of centerline, up to 1040’ MSL. Tree 2092’ from DER, 249’ left of centerline, 1043’ MSL. Tree 2792’ from DER, 1210’ right of centerline, 1048’ MSL. Rwy 18, NAVAID 515’ from DER, 630’ right of centerline, 12’ AGL/987’ MSL. NAVAID 1160’ from DER, 264’ right of centerline, 23’ AGL/1007’ MSL. Pole 1578’ from DER, 621’ left of centerline, 24’ AGL/1012’ MSL. Rwy 31, transmission line, pole beginning 617’ from DER, 644’ left of centerline, up to 39’ AGL/1014’ MSL. Trees beginning 839’ from DER, 416’ left of centerline, up to 987’ MSL. Trees beginning 1142’ from DER, 567’ left of centerline, up to 995’ MSL. Trees beginning 1198’ from DER, 168’ left of centerline, up to 996’ MSL. Trees beginning 1271’ from DER, 570’ right of centerline, up to 985’ MSL. Trees beginning 1378’ from DER, 797’ right of centerline, up to 996’ MSL. Trees beginning 1523’ from DER, 47’ left of centerline, up to 999’ MSL. Tree 2090’ from DER, 870’ left of centerline, 1004’ MSL. Tree 2213’ from DER, 1045’ left of centerline, 1005’ MSL. Trees beginning 2330’ from DER, 1019’ left of centerline, up to 84’ AGL/1019’ MSL. Rwy 36, NAVAID 4’ from DER, 0’ right of centerline, 1’ AGL/950’ MSL. Terrain 685’ from DER, 656’ right of centerline, 969’ MSL.
KANSAS CITY, MO (CON’T)
CHARLES B WHEELER DOWNTOWN (MKC) (CON’T)

Rwy 19 (CON’T), vehicle on roadway 380’ from DER, 177’ right of centerline, 762’ MSL. Building, dam, ol on levee, driveways beginning 383’ from DER, 55’ right of centerline, up to 29’ AGL/769’ MSL. Tree 610’ from DER, 485’ left of centerline, 808’ MSL. Trees beginning 1000’ from DER, 132’ right of centerline, up to 817’ MSL. Pole 2867’ from DER, 161’ left of centerline, 833’ MSL. Pole 2996’ from DER, 540’ right of centerline, 82’ AGL/830’ MSL. Stack 3220’ from DER, 420’ left of centerline, 168’ AGL/908’ MSL. Building, ol on building beginning 3412’ from DER, 74’ right of centerline, up to 141’ AGL/889’ MSL. Flagpole on building, buildings, chimney beginning 4382’ from DER, 178’ right of centerline, up to 912’ MSL. Buildings, monument beginning 4488’ from DER, 1447’ left of centerline, up to 51’ AGL/993’ MSL. Building 5596’ from DER, 470’ right of centerline, 189’ AGL/937’ MSL. Building-twr 1 NM from DER, 1702’ left of centerline, 100’ AGL/1016’ MSL. Lt pole 1.5 NM from DER, 1294’ left of centerline, 1017’ MSL. Tree 1.5 NM from DER, 1054’ left of centerline, 1023’ MSL. Rwy 21, tree 52’ from DER, 12’ right of centerline, 745’ MSL. Vehicles on roadway, roadway beginning 196’ from DER, 378’ right of centerline, up to 761’ MSL. Dam, driveways, vehicles on roadways, levee beginning 297’ from DER, 2’ right of centerline, up to 1’ AGL/762’ MSL. Vehicles on roadways beginning 398’ from DER, 28’ left of centerline, up to 761’ MSL. Dam beginning 432’ from DER, 57’ right of centerline, up to 8’ AGL/763’ MSL. Dam, driveways beginning 526’ from DER, 53’ left of centerline, up to 1’ AGL/762’ MSL. Tree 964’ from DER, 538’ left of centerline, 781’ MSL. Trees beginning 1066’ from DER, 591’ left of centerline, up to 792’ MSL. Trees beginning 1486’ from DER, 571’ right of centerline, up to 831’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’ from DER, 622’ left of centerline, 798’ MSL. Trees beginning 1515’ from DER, 20’ left of centerline, up to 805’ MSL. Tree 1508’.
KIRKSVILLE, MO
KIRKSVILLE RGNL (IRK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14065 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 2, trees beginning 1163' from DER, 502' left of centerline, up to 51' AGL/309' MSL. Pole 1082' from DER, 417' left of centerline, 28' AGL/296' MSL. Multiple trees beginning 1221' from DER, 324' right of centerline, up to 96' AGL/354' MSL. Rwys 20, trees beginning 2018' from DER, 75' left of centerline, up to 62' AGL/321' MSL. Vehicles on road 49' from DER, 405' right of centerline, 15' AGL/269' MSL. Dead tree 1056' from DER, 324' right of centerline, 42' AGL/300' MSL. Trees beginning 1027' from DER, 94' right of centerline, up to 53' AGL/312' MSL. Tree line beginning 1085' from DER, 420' right of centerline, up to 40' AGL/299' MSL. Rwys 36, hangar 64' from DER, 299' left of centerline, 21' AGL/281' MSL. Trees beginning 98' from DER, 352' left of centerline, up to 49' AGL/309' MSL. Sign 1050' from DER, 448' right of centerline, 45' AGL/305' MSL.

KEOKUK, IA
KEOKUK MUNI (EOK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14149 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 8, tree 79' from DER, 209' right of centerline, 26' AGL/695' MSL. Fence and trees 102' from DER, 298' left of centerline, 37' AGL/706' MSL. Rwys 14, multiple trees 200' from DER, 156' left of centerline, 65' AGL/704' MSL. Multiple trees 172' from DER, 92' right of centerline, 70' AGL/739' MSL. Rwys 26, tree 298' from DER, 496' left of centerline, 56' AGL/695' MSL. Tank and trees 351' from DER, 508' right of centerline, 111' AGL/790' MSL. Rwys 32, multiple trees 303' from DER, 243' left of centerline 56' AGL/725' MSL. Hanger and tree 281' from DER, 442' right of centerline, 61' AGL/730' MSL.

KNOXVILLE, IA
KNOXVILLE (OXV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14065 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 15, vehicle and road beginning 49' from DER, 295' left of centerline, up to 15' AGL/937' MSL. Trees beginning 387' from DER, 389' right of centerline, up to 100' AGL/1029' MSL. Poles beginning 407' from DER, 224' left of centerline, up to 61' AGL/962' MSL. Buildings beginning 506' from DER, 406' right of centerline, up to 28' AGL/948' MSL. Trees beginning 685' from DER, 396' left of centerline, up to 100' AGL/1029' MSL. Rwys 33, trees beginning 33' from DER, 440' left of centerline, up to 73' AGL/963' MSL. Trees beginning 39' from DER, 465' right of centerline, up to 100' AGL/1029' MSL. Fence beginning 86' from DER, 350' right of centerline, up to 9' AGL/930' MSL. Vehicle and road beginning 158' from DER, 490' right of centerline, up to 15' AGL/931' MSL.

LAMAR, MO
LAMAR MUNI (LLU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14149 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 3, sign 9' from DER, 124' left of centerline, 13' AGL/998' MSL. Tank 16' from DER, 502' right of centerline, 13' AGL/998' MSL. Buildings beginning 66' from DER, 333' right of centerline, up to 40' AGL/1021' MSL. Poles beginning 198' from DER, 252' right of centerline, up to 63' AGL/1038' MSL. Pole 752' from DER, 644' left of centerline, 32' AGL/1020' MSL. Vehicle on road beginning 190' from DER, 216' left of centerline, up to 15' AGL/1007' MSL. Trees beginning 846' from DER, 127' left of centerline, up to 62' AGL/1040' MSL. Trees beginning 292' from DER, 209' right of centerline, up to 50' AGL/1045' MSL. Rwys 17, rising terrain beginning 66' from DER, 372' left of centerline, up to 999' MSL. Trees beginning 816' from DER, 441' left of centerline, up to 54' AGL/1049' MSL. Trees beginning 261' from DER, 264' right of centerline, up to 67' AGL/1043' MSL. Rwys 21, vehicle road beginning 5' from DER, 245' left of centerline, up to 15' AGL/1021' MSL. Telephone poles and lines beginning 593' from DER, left and right of centerline, up to 70' AGL/1064' MSL.

LAMONI, IA
LAMONI MUNI (LWD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14065 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 9, 27, NA-turf runways.
TAKEOFF OBSTACLE NOTES: Rwys 18, multiple trees beginning 986' from DER, 278' left of centerline, up to 44' AGL/1023' MSL. Rwys 36, multiple trees and poles beginning 935' from DER, 179' right of centerline, up to 54' AGL/1033' MSL. Obstruction light on DME antenna 649' from DER, 269' right of centerline, 7' AGL/986' MSL. Truck on road beginning 1081' from DER, 785' right of centerline, 17' AGL/996' MSL. Tree 326' from DER, 473' left of centerline, 17' AGL/976' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)
LE MARS, IA
LEE'S SUMMIT MUNI (LXR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13122 (FAA)
DEPARTURE PROCEDURE: RwY 18, climbing right turn heading 265° to 3200 before proceeding on course. RwY 36, climb heading 005° to 1800 before proceeding on course.
TAKEOFF OBSTACLE NOTES: RwY 18, sign 74' from DER, 308' right of centerline, 18' AGL/ 1206' MSL. Vehicles on road beginning 151' from DER, left and right of centerline, up to 15' AGL/ 1224' MSL. Poles beginning 690' from DER, 264' left of centerline, up to 29' AGL/ 1234' MSL. Trees beginning 709' from DER, 330' left of centerline, up to 56' AGL/ 1265' MSL. Building 840' from DER, 384' left of centerline, 12' AGL/ 1222' MSL. Light pole 875' from DER, 361' left of centerline, 23' AGL/ 1233' MSL. Silos beginning 1990' from DER, 346' left of centerline, up to 53' AGL/ 1260' MSL. RwY 36, vehicles on road beginning 644' from DER, 649' left of centerline, up to 15' AGL/ 1224' MSL. Trees beginning 409' from DER, 370' right of centerline, up to 57' AGL/ 1257' MSL. Trees beginning 2306' from DER, 99' left of centerline, up to 91' AGL/ 1311' MSL.

LEBANON, MO
FLOYD W JONES LEBANON (LBO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)
TAKEOFF MINIMUMS: RwY 36, 300-1/4 or std. w/min. climb of 245' per NM to 1600', or alternatively, with standard TAKEOFF minimums and a normal 200' per NM climb gradient, TAKEOFF must occur no later than 2000' prior to DER.
TAKEOFF OBSTACLE NOTES: RwY 18, multiple trees beginning 49' from DER, 388' right of centerline, up to 88' AGL/1398' MSL. Pole 440' from DER, 409' right of centerline, up to 44' AGL/1334' MSL. RwY 36, multiple poles and trees beginning 151' from DER, 366' left of centerline, up to 44' AGL/1334' MSL. RwY 36, multiple trees beginning 679' from DER, 504' right of centerline, up to 67' AGL/1367' MSL. Tower 5528' from DER, 186' right of centerline, up to 182' AGL/1472' MSL.

LEE’S SUMMIT, MO
LEE’S SUMMIT MUNI (LXT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 18032 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 11, vehicle on road 6' from DER, 14' left of centerline, 1002' MSL. Fence, terrain and vehicle on road beginning 15' from DER, 256' right of centerline, up to 1014' MSL. Sign and terrain beginning 18' from DER, 125' left of centerline, up to 1004' MSL. Building 139' from DER, 387' left of centerline, 27' AGL/1023' MSL. Building 169' from DER, 334' right of centerline, 26' AGL/1018' MSL. Trees, vehicle on road and fence beginning 179' from DER, 339' left of centerline, up to 31' AGL/1029' MSL. Buildings and tree beginning 182' from DER, 398' right of centerline, up to 1021' MSL. Trees beginning 447' from DER, 181' left of centerline, up to 1039' MSL.
MACON, MO
MACON-FOWER MEMORIAL (K89)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 14093 (FAA)
TAKEOFF MINIMUMS: Rwy 2, 300-1½ or std. w/min. climb of 254’ per NM to 1200.
TAKEOFF OBSTACLE NOTES: Rwy 2, terrain beginning 15’ from DER, 82’ left of centerline, up to 854’ MSL. Trees beginning 20’ from DER, 268’ left of centerline, up to 74’ AGL/912’ MSL. Trees and telephone lines beginning 356’ from DER, 70’ left of centerline, up to 84’ AGL/890’ MSL. Terrain beginning 4’ from DER, 92’ right of centerline, up to 854’ MSL. Trees beginning 46’ from DER, 287’ right of centerline, up to 66’ AGL/914’ MSL. Trees, telephone line, and pole beginning 278’ from DER, 2’ right of centerline, up to 75’ AGL/902’ MSL. Antenna 1.1 NM from DER, 1426’ left of centerline, 202’ AGL/1059’ MSL. Rwy 20, trees beginning 33’ from DER, 454’ left of centerline, up to 53’ AGL/929’ MSL. Poles beginning 425’ from DER, 133’ left of centerline, up to 38’ AGL/909’ MSL. Trees beginning 1111’ from DER, 4’ left of centerline, up to 66’ AGL/928’ MSL. Trees beginning 1999’ from DER, 163’ left of centerline, up to 85’ AGL/934’ MSL. Tree 2542’ from DER, 503’ left of centerline, 91’ AGL/942’ MSL. Crane 42’ from DER, 433’ right of centerline, 13’ AGL/884’ MSL. Poles beginning 498’ from DER, 548’ right of centerline, up to 38’ AGL/912’ MSL. Poles beginning 865’ from DER, 100’ right of centerline, up to 38’ AGL/907’ MSL. Tree 1078’ from DER, 674’ right of centerline, 62’ AGL/933’ MSL. Trees beginning 1201’ from DER, 53’ right of centerline, up to 69’ AGL/937’ MSL.

MABLOD, MO
MALDEN RGNL (MAW)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 09295 (FAA)
DEPARTURE PROCEDURE: Rwy 32, climb heading 317º to 900 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 14, trees 1619’ from DER, 856’ right of centerline, 100’ AGL/394’ MSL. Rwy 18, trees 2744’ from DER, 996’ left of centerline, 100’ AGL/394’ MSL. Trees 2766’ from DER, 1042’ right of centerline, 100’ AGL/394’ MSL.

MAPLETON, IA
JAMES G WHITING MEMORIAL FIELD (MEY)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 10042 (FAA)
TAKEOFF MINIMUMS: Rwy 2, 400-2½ or std. w/min. climb of 417’ per NM to 1700. Rwy 20, 500-2½ or std. w/min. climb of 249’ per NM to 1700.
DEPARTURE PROCEDURE: Rwy 2, climb heading 019º to 1700 before turning left. Rwy 20, climb heading 199º to 1700 before turning left.
TAKEOFF OBSTACLE NOTES: Rwy 2, tree 5817’ from DER, 748’ left of centerline, 100’ AGL/1419’ MSL.

MAQUOKETA, IA
MAQUOKETA MUNI (OQW)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1A 18060 (FAA)
TAKEOFF MINIMUMS: Rwy 33, 300-1½ or std. w/min. climb of 238’ per NM to 1000, or alternatively with std. 200’ per NM climb gradient, takeoff must occur no later than 1800 feet prior to DER.
TAKEOFF OBSTACLE NOTES: Rwy 15, terrain beginning 175’ from DER, 59’ right of centerline, up to 824’ MSL. Trees beginning 2209’ from DER, 222’ right of centerline, up to 50’ AGL/889’ MSL. Terrain beginning 94’ from DER, 70’ left of centerline, up to 745’ MSL. Rwy 33, multiple power lines beginning 992’ from DER, left and right of centerline, up to 50’ AGL/829’ MSL. Trees beginning 1423’ from DER, 607’ right of centerline, up to 50’ AGL/909’ MSL. Terrain beginning 1030’ from DER, 655’ right of centerline, up to 909’ MSL.

MARSHALL, MO
MARSHALL MEMORIAL MUNI (MHL)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG-A 12040 (FAA)
TAKEOFF MINIMUMS: Rwy 18, std. with a min. climb of 284’ per NM to 2100, or 1300-3 for climb in visual conditions. Rwy 36, std. with a min. climb of 263’ per NM to 1500, or 1300-3 for climb in visual conditions.
DEPARTURE PROCEDURE: Rwy 18, 36, for climb in visual conditions: Cross Marshall Memorial Muni airport at or above 1900 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 18, antenna on bldg 277’ from DER, 573’ left of centerline, 42’ AGL/811’ MSL. Light pole 230’ from DER, 447’ left of centerline, 32’ AGL/801’ MSL. Rwy 36, trees beginning 84’ from DER, 15’ right and left of centerline, up to 121’ AGL/892’ MSL. Poles beginning 24’ from DER, 357’ left and right of centerline, up to 22’ AGL/446’ MSL.

MARSHALLTOWN, IA
MARSHALLTOWN MUNI (MIW)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 13234 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 13, runway end indicator lights 27’ from DER, 126’ left and right of centerline, up to 5’ AGL/974’ MSL. Vehicles on road beginning 37’ from DER, left and right of centerline, up to 15’ AGL/988’ MSL. Terrain beginning 1984’ from DER, 167’ left of centerline, 19’ AGL/988’ MSL. Terrain beginning 1984’ from DER, 777’ right of centerline, up to 100’ AGL/1059’ MSL. Rwy 18, vehicles on road beginning 585’ from DER, left and right of centerline, up to 15’ AGL/994’ MSL. Tree 746’ from DER 1152’ from DER 511’ right of centerline, 100’ AGL/1069’ MSL. Rwy 31, trees beginning 5’ from DER, 384’ right of centerline, up to 50’ AGL/1029’ MSL. Trees beginning 55’ from DER, 424’ left of centerline, up to 36’ AGL/1005’ MSL. Transmission tower 60’ from DER, 478’ right of centerline, 23’ AGL/1002’ MSL. Rwy 36, trees beginning 191’ from DER, 175’ right of centerline, up to 11’ AGL/981’ MSL. Trees beginning 514’ from DER, 465’ left of centerline, up to 44’ AGL/1023’ MSL.
MASON CITY, IA
MASON CITY MUNI (MCW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 15316 (FAA)
TAKEOFF OBSTACLE NOTES: Rwys 12, 35, 18, and 36.

MILFORD, IA
FULLER (4D8)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 19003
TAKEOFF MINIMUMS: Rwys 18, 36, NA-Environmental. Rwys 27, 400-2½ or std. w/min. climb of 275’ per NM to 2000.
TAKEOFF OBSTACLE NOTES: Rwys 9, building abeam DER, 1182’ left of centerline, 30’ AGL/1469’ MSL. Trees beginning 1491’ from DER, 35’ left of centerline, up to 50’ AGL/1489’ MSL. Vehicles on road 427’ from DER, on centerline and left and right of centerline, up to 15’ AGL/1454’ MSL.
MOBERLY, MO
OMAR N BRADLEY (MBY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11181 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 5, trees 310' from DER, 326' left of centerline, 100' AGL/955' MSL. Trees 1244' from DER, 786' left of centerline, 100' AGL/959' MSL.

Rw 13, multiple trees beginning 1139' from DER, 212' right of centerline, up to 83' AGL/913' MSL. Multiple trees beginning 1515' from DER, 430' left of centerline, up to 91' AGL/921' MSL. Rw 23, vehicle on road, 250' from DER, crossing left to right, 15' AGL/884' MSL. Vehicle on road, 530' from DER, crossing right to left, 15' AGL/884' MSL. Trees 1375' from DER, 146' right of centerline, 100' AGL/959' MSL.

Rw 31, vehicle on road, 63' from DER, crossing right to left, 15' AGL/877' MSL. Multiple trees and buildings beginning 145' from DER, 204' right of centerline, up to 77' AGL/937' MSL. Multiple trees beginning 788' from DER, 312' right of centerline, up to 74' AGL/924' MSL. Vehicle on road, 310' from DER, crossing left to right, 15' AGL/871' MSL. Trees 890' from DER, 509' left of centerline, 52' AGL/892' MSL. Building 855' from DER, 296' left of centerline, 22' AGL/888' MSL.

MONETT, MO
MONETT RGNL (HFJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14317 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, fence 1' from DER, 437' left of centerline, 6' AGL/1301' MSL. Trees beginning 542' from DER, left and right of centerline, up to 100' AGL/1379' MSL. Rw 36, multiple antennas, buildings, trees, light poles and hangars beginning 234' from DER, 494' right of centerline, up to 30' AGL/1346' MSL. Tree 832' from DER, 508' right of centerline, 100' AGL/1399' MSL.

MONROE CITY, MO
CPT BEN SMITH AIRFIELD - MONROE CITY (K52)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 18032 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 9, tree 2845' from DER. 875' left of centerline, 100' AGL/844' MSL. Tree 607' from DER, on centerline, 80' AGL/819' MSL. Rw 27, tree 34' from DER. 466' right of centerline, 100' AGL/839' MSL. Vehicle on road beginning 454' from DER, 571' right of centerline, 15' AGL/754' MSL.

MONTICELLO, IA
MONTICELLO RGNL (MXO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 01361 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 15, 969' MSL tree 2845' from DER, 60' right of centerline.

MONTICELLO, MO
LEWIS COUNTY RGNL (6M6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06271 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 36, tree 2609' from DER, 980' right of centerline, 45' AGL/741' MSL.

MOSBY, MO
MIDWEST NATIONAL AIR CENTER (GPH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 07354 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, multiple trees beginning 1562' from DER, 16' right of centerline, up to 100' AGL/861' MSL. Multiple trees beginning 1278' from DER, 46' left of centerline, up to 100' AGL/859' MSL. Rw 36, multiple trees beginning 2224' from DER, 57' right of centerline, up to 100' AGL/889' MSL. Multiple trees beginning 2302' from DER, 231' left of centerline, up to 100' AGL/916' MSL.

MOUNT PLEASANT, IA
MOUNT PLEASANT MUNI (MPZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10266 (FAA)
TAKEOFF MINIMUMS: Rwys 3, 21, NA-Environmental. Rw 33, 400-2½ or std. w/ min. climb of 244' per NM to 1300.
TAKEOFF OBSTACLE NOTES: Rw 15, equipment 3' from DER, 261' right of centerline, up to 10' AGL/734' MSL. Rw 33, trees beginning 178' from DER, 235' right of centerline, up to 80' AGL/751' MSL. Trees beginning 333' from DER, 209' left of centerline, up to 80' AGL/753' MSL.

MOUNTAIN GROVE, MO
MOUNTAIN GROVE MEMORIAL (1MO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10070 (FAA)
TAKEOFF MINIMUMS: Rw 8, 300-1¼ or std. w/ min. climb of 221' per NM to 1700, or alternatively, with standard TAKEOFF minimums and a normal 200'/NM climb gradient, TAKEOFF must occur no later than 1600' prior to DER. DEPARTURE PROCEDURE: Rw 8, climb heading 080° to 2100 before turning right. TAKEOFF OBSTACLE NOTES: Rw 8, trees beginning 24' from DER, 139' right of centerline, up to 100' AGL/1639' MSL. Trees beginning 37' from DER, 115' left of centerline, up to 100' AGL/1619' MSL. Vehicles on road beginning 217' from DER, on centerline, up to 15' AGL/1514' MSL. Rw 26, trees beginning 4' from DER, 64' right of centerline, up to 100' AGL/1579' MSL. Trees beginning 32' from DER, 81' left of centerline, up to 100' AGL/1579' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

MOUNTAIN VIEW, MO
MOUNTAIN VIEW (MNF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 11069 (FAA)
TAKEOFF MINIMUMS: Rwy 28, std. w/min. climb of 570’ per NM to 2100 or 400-2/2 with min. climb of 373’ per NM to 2100 or 900-2/2 for climb in visual conditions.
DEPARTURE PROCEDURE: Rwy 28, flight min. climb in visual conditions cross Mountain View Airport at or above 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwys 10, vehicle on road 1011’ from DER, left to right of centerline, up to 15’ AGL/1174’ MSL. Stadium lights beginning 762’ from DER, 206’ left of centerline, up to 100’ AGL/1239’ MSL. Building 150’ from DER, 521’ left of centerline, 20’ AGL/1159’ MSL. Trees beginning 336’ from DER, 70’ right of centerline, up to 60’ AGL/1279’ MSL. Rw 28, trees beginning 50’ from DER, 126’ right of centerline, up to 60’ AGL/1229’ MSL. Power lines beginning 858’ from DER, 208’ right of centerline, up to 100’ AGL/1299’ MSL. Trees beginning 191’ from DER, 369’ left of centerline, up to 60’ AGL/1339’ MSL. Trees beginning 2043’ from DER, 666’ right of centerline, up to 60’ AGL/1379’ MSL. Tower 1.7 NM from DER, 2174’ left of centerline, 215’ AGL/1531’ MSL.

MUSCATINE, IA
MUSCATINE MUNI (MUT) (CON’T)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 17341 (FAA)
TAKEOFF MINIMUMS: Rwys 24, 300-2, or std. w/min. climb of 220 feet per NM to 1000. Rw 30, 300-1%, or std. w/min. climb of 310 feet per NM to 1000.
DEPARTURE PROCEDURE: Rw 6, climb heading 060° to 2300 before proceeding on course. Rw 24, climb heading 240° to 2300 before proceeding on course. Rw 30, climb heading 306° to 2300 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 6, tree 635’ from DER, 549’ right of centerline, 560’ MSL. Tree 1422’ from DER, 640’ right of centerline, 582’ MSL. Rw 12, ground 28’ from DER, 211’ right of centerline, 544’ MSL. Building, tree beginning 733’ from DER, 586’ right of centerline, up to 577’ MSL. Rod on OL tower, AWOS beginning 1122’ from DER, 744’ left of centerline, up to 580’ MSL. Pole 1122’ from DER, 744’ left of centerline, 34’ AGL/578’ MSL. Rw 24, tree 218’ from DER, 531’ left of centerline, 567’ MSL. Tree 1922’ from DER, 241’ right of centerline, 594’ MSL. Tree 1949’ from DER, 271’ right of centerline, 599’ MSL. Trees beginning 2566’ from DER, 326’ left of centerline, up to 616’ MSL. Tree 1.4 NM from DER, 1830’ right of centerline, 788’ MSL. Trees beginning 1.4 NM from DER, 2028’ left of centerline, up to 780’ MSL. Tree 1.5 NM from DER, 683’ left of centerline, 789’ MSL. Trees beginning 1.5 NM from DER, 2257’ right of centerline, up to 794’ MSL. Tree 1.5 NM from DER, 602’ left of centerline, 795’ MSL. Tree 1.5 NM from DER, 2856’ right of centerline, 802’ MSL. Trees beginning 1.6 NM from DER, 403’ left of centerline, up to 807’ MSL. Tree 1.7 NM from DER, 1965’ right of centerline, 810’ MSL. Tree 1.7 NM from DER, 3227’ right of centerline, 815’ MSL. Tree 1.7 NM from DER, 1971’ right of centerline, 815’ MSL. Tree 1.7 NM from DER, 355’ left of centerline, 827’ MSL.

NEOSHO, MO
NEOSHO HUGH ROBINSON (EOS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11237 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 1, trees beginning 89’ from DER, 431’ left of centerline, up to 120’ AGL/1339’ MSL. Trees and power poles beginning 584’ from DER, 166’ right of centerline, up to 120’ AGL/1283’ MSL. Rw 19, multiple trees and towers beginning 142’ from DER, 485’ right of centerline, up to 183’ AGL/1403’ MSL. Vehicles on road beginning 318’ from DER, left and right of centerline, up to 17’ AGL/1276’ MSL.

NEVADA, MO
NEVADA MUNI (NVD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10266 (FAA)
TAKEOFF MINIMUMS: Rwys 13, 31, NA-Environmental. TAKEOFF OBSTACLE NOTES: Rw 2, trees beginning 2000’ from DER, left and right of centerline, up to 56’ AGL/945’ MSL.
NEW MADRID, MO
COUNTY MEMORIAL (EIW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 18172 (FAA)
DEPARTURE PROCEDURE: Rw 18, east departures (010° CW 170°) climb heading 180° to 1200, before proceeding on course. Rw 36, east departures (010° CW 170°) climb heading 360° to 1200, before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 18, pole 280’ from DER, 262’ right of centerline, 29’ AGL/33’ MSL. Building 329’ from DER, 292’ left of centerline, 13’ AGL/308’ MSL. Tree, building, pole beginning 358’ from DER, 302’ left of centerline, up to 50’ AGL/354’ MSL. Trees beginning 467’ from DER, 88’ left of centerline, up to 63’ AGL/359’ MSL. Pole, tree beginning 491’ from DER, 225’ right of centerline, up to 63’ AGL/357’ MSL. Rw 36, trees 17’ from DER, 273’ left of centerline, 8’ AGL/302’ MSL. Trees beginning 57’ from DER, 225’ right of centerline, up to 13’ AGL/306’ MSL. Tree 2170’ from DER, 745’ left of centerline, 77’ AGL/368’ MSL.

NEWTON, IA
NEWTON MUNI-EARL JOHNSON FIELD (TNU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 16203 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 14, truck on road 3112’ from DER, 1243’ right of centerline, 15’ AGL/964’ MSL, tree 7519’ from DER, multiple trees beginning 2996’ from DER, 1200’ left of centerline, up to 100’ AGL/1059’ MSL. Rw 32, trees 10’ from DER, 437’ left of centerline, 30’ AGL/989’ MSL. Signs 126’ from DER, 490’ right of centerline, 8’ AGL/967’ MSL, truck on road 302’ from DER, 513’ right of centerline, 17’ AGL/976’ MSL, multiple trees beginning 531’ from DER, 439’ right of centerline, up to 32’ AGL/991’ MSL.

OELWEIN, IA
OELWEIN MUNI (OLZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
TAKEOFF MINIMUMS: Rwys 18,36, NA - environmental.
DEPARTURE PROCEDURE: Rw 13, climb heading 133° to 2100 before turning left. Rw 31, climb heading 313° to 1500 before turning right.
TAKEOFF OBSTACLE NOTES: Rw 13, rising terrain beginning 42’ from DER, left and right of centerline, up to 1079’ MSL. Trees 1972’ from DER, 32’ right of centerline, up to 100’ AGL/1149’ MSL. Rw 31, vehicle on road 357’ from DER, left and right of centerline, up to 15’ AGL/1094’ MSL. Poles beginning 1075’ from DER, 299’ right of centerline, up to 30’ AGL/1109’ MSL.

ORANGE CITY, IA
ORANGE CITY MUNI (ORC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 90291 (FAA)
TAKEOFF MINIMUMS: Rw 34, 300-1.

OSAGE BEACH, MO
GRAND GLAIZE-OSAGE BEACH (K15)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 90039 (FAA)
DEPARTURE PROCEDURE: Rwys 14, 32, maintain runway heading 1200 before turning on course.

OSCEOLA, IA
OSCEOLA MUNI (I75)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11349 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, navaid and road beginning 40’ from DER, 49’ left of centerline, up to 12’ AGL/1131’ MSL. Navaid, trees, and road beginning 12’ from DER, 3’ right of centerline, up to 13’ AGL/1132’ MSL. Rw 36, trees beginning 794’ from DER, 225’ left of centerline, up to 57’ AGL/1166’ MSL. Trees and pole beginning 581’ from DER, 415’ right of centerline, up to 48’ AGL/1157’ MSL.

OSKALOOSA, IA
OSKALOOSA MUNI (OOA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09295 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 13, tree 262’ from DER, 477’ left of centerline, 100’ AGL/939’ MSL. Rw 31, windsock 3’ from DER, 357’ right of centerline, 13’ AGL/852’ MSL. NAV 39’ from DER, 168’ right of centerline, 5’ AGL/839’ MSL. Tree 988’ from DER, 525’ right of centerline, 100’ AGL/949’ MSL. Tree 2056’ from DER, 609’ right of centerline, 59’ AGL/893’ MSL.

OTTUMWA, IA
OTTUMWA RGNL (OTM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 11265 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 4,22, NA-Runway data. Rw 34, trees and ground beginning 9’ from DER, 144’ right of centerline, up to 100’ AGL/979’ MSL. Trees beginning 54’ from DER, 193’ right of centerline, up to 100’ AGL/959’ MSL. Rw 34, trees and poles beginning 838’ from DER, 135’ left of centerline, up to 100’ AGL/979’ MSL. Trees and poles beginning 226’ from DER, 296’ right of centerline, up to 100’ AGL/895’ MSL. Vehicle on road at DER, 499’ right of centerline, 15’ AGL/895’ MSL.
POCAHONTAS, IA
POCAHONTAS MUNI (POH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 11237 (FAA)
TAKEOFF MINIMUMS: Rwys 4, 22, NA-Environmental.
TAKEOFF OBSTACLE NOTES: Rwys 14, trees 40’ from DER, 95’ AGL/1017’ MSL. Rw 32, trees beginning 182’ from DER, 917’ left of centerline, up to 1600’ AGL/1099’ MSL. Vehicles beginning 565’ from DER, pilot left of centerline, up to 17’ AGL/1036’ MSL.

POPLAR BLUFF, MO
POPLAR BLUFF MUNI (POF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 07242 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, multiple trees beginning 511’ from DER, 515’ right of centerline, up to 95’ AGL/420’ MSL. Multiple trees beginning 878’ from DER, 109’ left of centerline, up to 103’ AGL/428’ MSL. Rw 36, multiple trees beginning 1163’ from DER, 340’ right of centerline, up to 66’ AGL/391’ MSL. Multiple trees beginning 1191’ from DER, 92’ left of centerline, up to 79’ AGL/404’ MSL.

POTOSI, MO
WASHINGTON COUNTY (8WC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11069 (FAA)
TAKEOFF MINIMUMS: Rwys 20, 500-2½ or std. w/min. climb of 270’ per NM to 1600. DEPARTURE PROCEDURE: Rw 2, climb heading 019° to 1600 before turning left.
TAKEOFF OBSTACLE NOTES: Rw 20, trees beginning 103’ from DER, 464’ right of centerline, up to 60’ AGL/1308’ MSL. Trees beginning 1222’ from DER, 242’ left of centerline, up to 60’ AGL/1279’ MSL. Vehicles on roadway 942’ from DER, right and left of centerline, up to 15’ AGL/994’ MSL. Lookout tower 2.1 NM from DER, 138’ right of centerline, 132’ AGL/1380’ MSL.

RED OAK, IA
RED OAK MUNI (RDK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 11265 (FAA)
TAKEOFF MINIMUMS: Rwys 13, 31, NA - Environmental. Rw 5, 500-2½ or std. with min. climb of 287’ per NM to 1800. Rw 23, 300-1½ or std. with min. climb of 263’ per NM to 1500. Rw 35, 300-2 or std. w/min. climb of 284’ per NM to 1400. DEPARTURE PROCEDURE: Rw 5, climb heading 054° to 1800 before proceeding eastbound.
TAKEOFF OBSTACLE NOTES: Rw 5, towers, trees, pole and windmill beginning 1744’ from DER, 51’ right of centerline, up to 370’ AGL/1557’ MSL. Vehicles on road, trees and fence beginning 45’ from DER, 150’ left of centerline, up to 100’ AGL/1168’ MSL. Train on railroad track, trees and poles beginning 1111’ from DER, 33’ left of centerline, up to 67’ AGL/1168’ MSL. Rw 35, vehicles on road beginning 700’ from DER, on centerline, 15’ AGL/1070’ MSL. Hangers, trees, power poles, buildings and silos beginning 435’ from DER, 323’ right of centerline, up to 100’ AGL/1269’ MSL. Terrain, power pole and trees beginning 828’ from DER, 564’ left of centerline, up to 100’ AGL/1319’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

ROCK RAPIDS, IA
ROCK RAPIDS MUNI (RRQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 88154 (FAA)
TAKEOFF MINIMUMS: Rwy 16, 300-1.

ROLLA/VICHY, MO
ROLLA NATIONAL (VIH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10266 (FAA)
TAKEOFF OBSTACLE NOTES:
Rwy 13, multiple trees, terrain, and vehicle on road beginning 161' from DER, 243' left of centerline, up to 107' AGL/1178' MSL. Multiple trees, terrain, and vehicle on road beginning 30' from DER, 390' left of centerline, up to 60' AGL/1127' MSL. Multiple trees, terrain, and vehicle on road beginning 132' from DER, 413' left of centerline, up to 70' AGL/1134' MSL. Multiple trees, terrain, and vehicle on road beginning 132' from DER, 223' left of centerline, up to 107' AGL/1178' MSL.

SAC CITY, IA
SAC CITY MUNI (SKI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 13, multiple trees and vehicle on road beginning 465' from DER, 170' left of centerline, up to 68' AGL/1208' MSL. Multiple trees, sign, and vehicle on road beginning 297' from DER, 138' right of centerline, up to 68' AGL/1208' MSL.

SALEM, MO
SALEM MEMORIAL (K33)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11293 (FAA)
TAKEOFF MINIMUMS: Rwy 17, 400-2½ or std. w/min. climb of 300’per NM to 1500.
TAKEOFF OBSTACLE NOTES: Rwy 17, trees beginning 675' from DER, 675' right of centerline, up to 50' AGL/1279' MSL. Rwy 32, vehicles on road beginning 549' from DER, 549' right of centerline, up to 15' AGL/1264' MSL. Rwy 36, vehicles on road beginning 562' from DER, left and right of centerline, up to 15' AGL/1264' MSL.

SHELDON, IA
SHELDON RGNL (SHL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17173 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 15, light pole 9’ from DER, 17’ left of centerline, 1’ AGL/1413’ MSL. Light pole 10’ from DER, 27’ right of centerline, 1’ AGL/1413’ MSL. Trees beginning 1345’ from DER, 422’ left of centerline, up to 1473’ MSL. Trees beginning 2977’ from DER, 357’ left of centerline, up to 1497’ MSL. Rwy 33, light pole beginning 9’ from DER, 16’ left of centerline, up to 1’ AGL/1421’ MSL. Light pole beginning 9’ from DER, 18’ right of centerline, up to 1’ AGL/1420’ MSL. Building, light pole beginning 14’ from DER, 74’ left of centerline, up to 23’ AGL/1441’ MSL. Bush [tmp] 14’ from DER, 178’ right of centerline, 1423’ MSL. Tree, beacon beginning 31’ from DER, 459’ left of centerline, up to 1479’ MSL. Antenna on airport beacon, tree, road (n), railroad beginning 55’ from DER, 43’ left of centerline, up to 1481’ MSL. Bush [tmp] 136’ from DER, 196’ right of centerline, 1425’ MSL. Bush [tmp] 195’ from DER, 350’ right of centerline, 1427’ MSL. Road (n) beginning 435’ from DER, 166’ right of centerline, up to 1436’ MSL. Tree 959’ from DER, 366’ right of centerline, 1447’ MSL. Tree 1026’ from DER, 520’ right of centerline, 1464’ MSL. Trees beginning 1027’ from DER, 456’ right of centerline, up to 1467’ MSL.

ST. CHARLES, MO
ST. CHARLES COUNTY SMARTT (SET)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 05300 (FAA)
TAKEOFF MINIMUMS: Rwy 36, std. with a min. climb of 262’ per NM to 1300, OR 900-2½ for climb in visual conditions.
DEPARTURE PROCEDURE: Rwy 36, for climb in visual conditions: cross St. Charles County Smartt airport at or above 1300 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rwy 36, tree 2.3 NM from DER, 3932’ right of centerline, 100’ AGL/891’ MSL.

12 SEP 2019 to 10 OCT 2019
DEPARTURE PROCEDURE:

Rwy 31, climb heading 132° to 1600 before turning left.

Rwy 16, railroad 577' from DER, 621' left of centerline, 557' MSL. General utility and pole beginning 1037' from DER, 632' right of centerline, up to 22' AGL/573' MSL. Building 2478' from DER, 1008' right of centerline, 60' AGL/598' MSL. Rwy 11, building 2347' from DER, 545' left of centerline, 67' AGL/616' MSL. Tree 2362' from DER, 690' right of centerline, 619' MSL. Tree 2680' from DER, 690' right of centerline, 632' MSL. Tree 2756' from DER, 781' right of centerline, 641' MSL. Trees and poles beginning 3013' from DER, 206' left of centerline, up to 68' AGL/650' MSL. Tree 3066' from DER, 704' right of centerline, 658' MSL. Sign, building, and tree beginning 4349' from DER, 488' right of centerline, up to 65' AGL/680' MSL. Control tower 5016' from DER, 1524' left of centerline, 219' AGL/774' MSL. Building 5293' from DER, 685' right of centerline, 98' AGL/692' MSL. Building 5517' from DER, 527' right of centerline, 114' AGL/694' MSL. Rwy 12L, tree 1330' from DER, 666' right of centerline, 654' MSL. Rwy 12R, traffic signal 1413' from DER, 702' right of centerline, 636' MSL. Tree 1930' from DER, 372' left of centerline, 656' MSL. Tree, 2072' from DER, 23' right of centerline, up to 657' MSL. Sign, building, and tree beginning 283' from DER, on centerline, up to 571' MSL. Vehicles on road and traffic signal beginning 836' from DER, 217' right of centerline, up to 580' MSL. Vehicles on road 906' from DER, 600' left of centerline, 569' MSL. Terrain beginning 1375' from DER, 672' right of centerline, up to 592' MSL. Pole 1685' from DER, 640' left of centerline, 39' AGL/585' MSL. Tree and pole beginning 2466' from DER, 604' right of centerline, up to 648' MSL. Tree 3231' from DER, 791' right of centerline, 654' MSL. Tree 3507' from DER, 818' left of centerline, 663' MSL. Tree 3666' from DER, 788' right of centerline, 665' MSL. Tree and pole beginning 4127' from DER, 614' right of centerline, up to 684' MSL. Tree 5174' from DER, 404' left of centerline, 697' MSL. Rwy 30R, electrical system 1376' from DER, 710' right of centerline, 34' AGL/567' MSL. Tower 1896' from DER, 899' left of centerline, 54' AGL/587' MSL. Buildings beginning 1963' from DER, 561' right of centerline, up to 81' AGL/611' MSL. Tree 4051' from DER, 930' right of centerline, 631' MSL. Trees beginning 4188' from DER, 930' right of centerline, up to 657' MSL. Tree 4694' from DER, 520' right of centerline, 658' MSL. Tree 4733' from DER, 1418' right of centerline, 668' MSL. Tree 5095' from DER, 389' right of centerline, 670' MSL. Tree 5755' from DER, 1093' right of centerline, 687' MSL. Tree 1 NM from DER, 345' right of centerline, 693' MSL. Tree 1.1 NM from DER, 1120' right of centerline, 714' MSL.
ST. LOUIS, MO (CON’T)
SPIRIT OF ST. LOUIS (SUS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13178 (FAA)
TAKEOFF MINIMUMS: Rwy 8R, 200-1/4 or std. w/min. climb of 238’ per NM to 700. Rwy 26L, 300-2 or std. w/min. climb of 231’ per NM to 900.
TAKEOFF OBSTACLE NOTES: Rwy 8L, fence 46’ from DER, 338’ right of centerline, 8’ AGL/465’ MSL. Building 174’ from DER, 498’ right of centerline, 38’ AGL/495’ MSL. Tree 383’ from DER, 426’ right of centerline, 31’ AGL/486’ MSL. OL pole on pole 1215’ from DER, 96’ right of centerline, 43’ AGL/496’ MSL. Multiple poles beginning 1202’ from DER, 231’ right of centerline, up to 48’ AGL/498’ MSL. Trees beginning 1245’ from DER, 52’ left of centerline, up to 80’ AGL/533’ MSL. Trees beginning 1229’ from DER, 95’ right of centerline, up to 60’ AGL/516’ MSL. Rwy 8R, antenna 263’ from DER, 557’ left of centerline, 40’ AGL/487’ MSL. Railroad car 752’ from DER, 19’ left of centerline, 23’ AGL/482’ MSL. Antenna on building 142’ from DER, 241’ left of centerline, 8’ AGL/470’ MSL. Trees 535’ from DER, 1793’ right of centerline, up to 100’ AGL/626’ MSL. Rwy 26L, tree 2240’ from DER, 508’ right of centerline, 50’ AGL/521’ MSL. Tree 1.7 NM from DER, 2670’ left of centerline, 100’ AGL/759’ MSL. Rwy 26R, tree 33’ from DER, 430’ right of centerline, up to 9’ AGL/464’ MSL. Multiple poles beginning 1269’ from DER, left and right of centerline, up to 68’ AGL/518’ MSL. Trees beginning 1999’ from DER, right and left of centerline, up to 154’ AGL/601’ MSL.

SEDALIA, MO
SEDALIA RGNL (DMO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13234 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 5, trees beginning 238’ from DER, 121’ right of centerline, up to 71’ AGL/950’ MSL. Tree 2388’ from DER, 355’ left of centerline, 77’ AGL/946’ MSL. Buildings beginning 70’ from DER, 447’ left of centerline, up to 17’ AGL/906’ MSL. Rwy 18, trees beginning 88’ from DER, left and right of centerline, up to 61’ AGL/970’ MSL. Rwy 23, trees beginning 6’ from DER, left and right of centerline, up to 100’ AGL/991’ MSL. Vehicle on road, 23’ from DER 504’ left of centerline, 8’ AGL/927’ MSL. Communication tower 4771’ from DER, 582’ right of centerline, 163’ AGL/1032’ MSL. Rwy 36, trees beginning 583’ from DER, 598’ right of centerline, up to 68’ AGL/927’ MSL. Terrain beginning 151’ from DER, 307’ left of centerline, up to 889’ MSL.

SHENANDOAH, IA
SHENANDOAH MUNI (SDA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 19003 (FAA)
TAKEOFF MINIMUMS: Rwy 4, 500-3 or std. w/min. climb of 260’ per NM to 1700. Rwy 12, 500-2¾ or std. w/min. climb of 285’ per NM to 1600. Rwy 30, 300-1/4 or std. w/min. climb of 255’ per NM to 1300.
TAKEOFF OBSTACLE NOTES: Rwy 4, building 70’ from DER, 398’ right of centerline, 10’ AGL/984’ MSL. Tree 73’ from DER, 192’ left of centerline, 91’ MSL. Tree 175’ from DER, 391’ left of centerline, 979’ MSL. Tree 281’ from DER, 403’ left of centerline, 981’ MSL. Pole 412’ from DER, 330’ right of centerline, 1007’ MSL. Tree, pole beginning 551’ from DER, 263’ left of centerline, up to 992’ MSL. Pole 620’ from DER, 470’ right of centerline, 1010’ MSL. Tree 822’ from DER, 646’ right of centerline, 1022’ MSL. Tree 1612’ from DER, 508’ right of centerline, 1034’ MSL. Vegetation beginning 4706’ from DER, 1868’ right of centerline, up to 100’ AGL/1104’ MSL. Tower 2.5 NM from DER, 3152’ right of centerline, 491’ AGL/1463’ MSL. Rwy 12, vegetation 27’ from DER, 233’ left of centerline, 974’ MSL. Vegetation 71’ from DER, 336’ right of centerline, 976’ MSL. Pole, tree beginning 74’ from DER, 124’ left of centerline, up to 28’ AGL/988’ MSL. Tree 75’ from DER, 91’ right of centerline, 984’ MSL. Tree 96’ from DER, 522’ right of centerline, 986’ MSL. Trees beginning 106’ from DER, 390’ right of centerline, up to 18’ AGL/990’ MSL. Other, tree beginning 3998’ from DER, 62’ right of centerline, up to 1100’ MSL. Other 5011’ from DER, 68’ left of centerline, 1115’ MSL. Other 5490’ from DER, 691’ right of centerline, 1110’ MSL. Tower 2.1 NM from DER, 2334’ left of centerline, 311’ AGL/1430’ MSL. Rwy 22, vegetation 101’ from DER, 170’ right of centerline, 972’ MSL. Fence 200’ from DER, 392’ left of centerline, 7’ AGL/967’ MSL. Catenary, pole beginning 965’ from DER, 253’ left of centerline, up to 999’ MSL. Tree 2023’ from DER, 507’ left of centerline, 1030’ MSL. Rwy 30, vegetation 73’ from DER, 305’ right of centerline, 959’ MSL. Trees beginning 117’ from DER, 318’ right of centerline, up to 31’ AGL/981’ MSL. Trees beginning 305’ from DER, 217’ left of centerline, up to 970’ MSL. Tree 600’ from DER, 118’ left of centerline, 972’ MSL. Tree 790’ from DER, 192’ left of centerline, 977’ MSL. Tree 876’ from DER, 136’ right of centerline, 983’ MSL. Trees beginning 1007’ from DER, 273’ right of centerline, up to 984’ MSL. Tree 1398’ from DER, 332’ left of centerline, 996’ MSL. Tree 1533’ from DER, 432’ left of centerline, 1015’ MSL. Trees beginning 1557’ from DER, 432’ left of centerline, up to 1044’ MSL. Tree 2076’ from DER, 693’ left of centerline, 1049’ MSL. Tree 5404’ from DER, 1808’ right of centerline, 1118’ MSL. Trees beginning 5502’ from DER, 1411’ right of centerline, up to 1124’ MSL. Trees beginning 5767’ from DER, 1299’ right of centerline, up to 1125’ MSL. Trees beginning 5825’ from DER, 1508’ right of centerline, up to 1129’ MSL. Trees beginning 5887’ from DER, 1320’ right of centerline, up to 1130’ MSL. Tree, transmission line beginning 6054’ from DER, 1374’ right of centerline, up to 1144’ MSL. Tree, transmission line beginning 1.1 NM from DER, 1993’ right of centerline, up to 1148’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

SIBLEY MUNI (ISB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11125 (FAA)
TAKEOFF MINIMUMS: RwY 35, 300-1% or std. w/min. climb of 275' per NM to 1900.
TAKEOFF OBSTACLE NOTES: RwY 17, numerous trees beginning 1798' from DER, on runway centerline, up to 100' AGL/1629' MSL. Vehicles on road 71' from DER, 499' right of centerline, 10' AGL/1539' MSL. RwY 35, vehicles on road 189' from DER, 530' left of centerline, 15' AGL/1564' MSL. Train 401' from DER, 564' left of centerline, 23' AGL/1572' MSL. Numerous trees beginning 550' from DER, 564' left of centerline,100' AGL/1649' MSL.

SIKESTON, MO
SIKESTON MEMORIAL MUNI (SIK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 18312 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 3, tree 197' right of centerline, 335' MSL. Sign 228' from DER, 490' left of centerline. 13' AGL/323' MSL. Tree 934' from DER, 502' right of centerline, 30' AGL/340' MSL. Tree 952' from DER, 670' right of centerline, 373' MSL. Trees beginning 1112' from DER, 355' right of centerline, up to 389' MSL. Tree 2830' from DER, 765' left of centerline, 86' AGL/391' MSL. Tree 3279' from DER, 635' right of centerline, 399' MSL. RwY 21, sign 160' from DER, 442' right of centerline, 11' AGL/320' MSL. Pole, tree beginning 178' from DER, 374' right of centerline, up to 30' AGL/340' MSL. Pole 609' from DER, 539' left of centerline, 24' AGL/335' MSL. Building 845' from DER, 501' left of centerline, 29' AGL/341' MSL. Tree 1088' from DER, 628' right of centerline, 34' AGL/341' MSL. Pole 1166' from DER, 797' left of centerline, 37' AGL/348' MSL. Trees beginning 1242' from DER, 422' right of centerline, up to 363' MSL. Tree 1612' from DER, 579' right of centerline, 70' AGL/377' MSL. Trees beginning 2304' from DER, 649' right of centerline, up to 69' AGL/380' MSL. Tree 3181' from DER, 357' right of centerline, 86' AGL/407' MSL.

SIOUX CITY, IA
SIOUX GATEWAY/BRIG GEN BUD DAY FIELD (SUX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3B 19171 (FAA)
TAKEOFF MINIMUMS: RwY 35, std. w/min. climb of 250' per NM to 4200 or 1600-3 for VCOA. DEPARTURE PROCEDURE: RwY 31, climb heading 313° to 2000 before turning east. VCOA: RwY 35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sioux Gateway/Brig Gen Bud Day Field at or above 2500 MSL before proceeding on course.
TAKEOFF OBSTACLE NOTES: RwY 13, trees beginning 2242' from DER, 920' right of centerline, up to 100' AGL/1162' MSL. RwY 17, sign 41' from DER, 178' left of centerline, 4' AGL/1101' MSL. RwY 31, trees beginning 3018' from DER, 122' left of centerline, up to 82' AGL/1171' MSL. Trees beginning 3100' from DER, 431' right of centerline up to 100' AGL/1173' MSL. Trees beginning 3205' from DER, 669' right of centerline, up to 100' AGL/1174' MSL. RwY 35, REILs 10' from DER, 150' left and right of centerline, up to 2' AGL/1101' MSL. Trees beginning 135' from DER, 323' right of centerline, up to 6' AGL/1143' MSL. Trees beginning 473' from DER, 587' right of centerline, up to 72' AGL/1157' MSL. Trees beginning 836' from DER, 495' right of centerline, up to 87' AGL/1172' MSL. Trees beginning 1312' from DER, crossing left to right of centerline, up to 87' AGL/1168' MSL.

SPENCER, IA
SPENCER MUNI (SPW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)
TAKEOFF OBSTACLE NOTES: RwY 3, tree 197' right of centerline, 335' MSL. Sign 228' from DER, 490' left of centerline. 13' AGL/323' MSL. Tree 934' from DER, 502' right of centerline, 30' AGL/340' MSL. Tree 952' from DER, 670' right of centerline, 373' MSL. Trees beginning 1112' from DER, 355' right of centerline, up to 389' MSL. Tree 2830' from DER, 765' left of centerline, 86' AGL/391' MSL. Tree 3279' from DER, 635' right of centerline, 399' MSL. RwY 21, sign 160' from DER, 442' right of centerline, 11' AGL/320' MSL. Pole, tree beginning 178' from DER, 374' right of centerline, up to 30' AGL/340' MSL. Pole 609' from DER, 539' left of centerline, 24' AGL/335' MSL. Building 845' from DER, 501' left of centerline, 29' AGL/341' MSL. Tree 1088' from DER, 628' right of centerline, 34' AGL/341' MSL. Pole 1166' from DER, 797' left of centerline, 37' AGL/348' MSL. Trees beginning 1242' from DER, 422' right of centerline, up to 363' MSL. Tree 1612' from DER, 579' right of centerline, 70' AGL/377' MSL. Trees beginning 2304' from DER, 649' right of centerline, up to 69' AGL/380' MSL. Tree 3181' from DER, 357' right of centerline, 86' AGL/407' MSL.
STORM LAKE MUNI (SLB) (CON’T)

Rwy 31 (CON’T), tree, vehicles on road beginning 962’ from DER, 489’ left of centerline, up to 1555’ MSL. Tree 1031’ from DER, 700’ left of centerline, 1558’ MSL. Tree 1177’ from DER, 739’ left of centerline, 1561’ MSL. Rwy 35, NAVAID 10’ from DER, 55’ right of centerline, 2’ AGL/1481’ MSL. Vegetation 92’ from DER, 175’ left of centerline, 1482’ MSL. Tree 252’ from DER, 80’ right of centerline, 1488’ MSL. Tree 1410’ from DER, 698’ right of centerline, 1543’ MSL.

SULLIVAN, MO

SULLIVAN RGNL (UUV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 19003 (FAA)

TAKEOFF MINIMUMS: Rwy 24, 300-1 or std. with a min. climb of 320’ per NM to 1200.
TAKEOFF OBSTACLE NOTES: Rwy 6, tower, pole beginning 176’ from DER, 12’ left of centerline, up to 966’ MSL. Pole 462’ from DER, 471’ right of centerline, 31’ AGL/941’ MSL. Tree 519’ from DER, 447’ right of centerline, 960’ MSL. Trees beginning 526’ from DER, 246’ right of centerline, up to 961’ MSL. Trees beginning 594’ from DER, 8’ right of centerline, up to 965’ MSL.
Rwy 24, pole 485’ from DER, 408’ right of centerline, 21’ AGL/961’ MSL. Tree, building beginning 502’ from DER, 357’ left of centerline, up to 965’ MSL. Pole, tree beginning 525’ from DER, 440’ right of centerline, up to 30’ AGL/971’ MSL. Tree 792’ from DER, 419’ right of centerline, 997’ MSL. Trees beginning 858’ from DER, 449’ right of centerline, up to 1004’ MSL. Stack, tree, building beginning 1001’ from DER, 269’ left of centerline, up to 66’ AGL/1009’ MSL. Trees beginning 2027’ from DER, 313’ right of centerline, up to 1008’ MSL. Tree, building beginning 2469’ from DER, 76’ left of centerline, up to 1016’ MSL.

TARKIO, MO

GOULD PETERSON MUNI (K57)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 08269 (FAA)

TAKEOFF OBSTACLE NOTES: Rwy 18, multiple trees beginning 1797’ from DER, 22’ left of centerline, 59’ AGL/968’ MSL. Multiple trees, power poles, vehicle on road and well beginning 94’ from DER, 163’ right of centerline, 75’ AGL/984’ MSL. Rwy 36, multiple trees, power poles beginning 404’ from DER, 126’ left of centerline, 31’ AGL/990’ MSL. Multiple trees, power poles and hangers beginning 44’ from DER, 68’ right of centerline, 48’ AGL/997’ MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

TIPTON, IA
MATHEWS MEMORIAL (8C4)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10098 (FAA)
DEPARTURE PROCEDURE: Rw 29, climb heading 288° to 1900 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 11, tree 1537' from DER, 688' left of centerline, 100' AGL/949' MSL. Tree 1801' from DER, 803' right of centerline, 100' AGL/929' MSL. Tree 3796' from DER, 227' left of centerline, 100' AGL/969' MSL. Rw 29, tree 404' from DER, 576' right of centerline, 100' AGL/929' MSL. Tree 4068' from DER, 964' left of centerline, 100' AGL/959' MSL.

VINTON, IA
VINTON VETERANS MEMORIAL AIRPARK (VTI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 19031 (FAA)
TAKEOFF MINIMUMS: Rwys 18, 36, 500-2 or std. w/min. climb of 350' per NM to 1400.
DEPARTURE PROCEDURE: Rw 18, climb heading 182° to 1400 before proceeding on course. Rw 36, climb heading 002° to 1400 before proceeding on course.
TAKEOFF OBSTACLE NOTES: Rw 18, tree 27' from DER, 482' left of centerline, 9' AGL/764' MSL. Fence 114' from DER, 209' left of centerline, 21' AGL/776' MSL. Pole sign beginning 114' from DER, 213' left of centerline, up to 27' AGL/762' MSL. Ground, tree, pole, building, fence, sign, bridge, beginning 263' from DER, 35' left of centerline, up to 64' AGL/821' MSL. Trees, beginning 1071' from DER, 253' left of centerline, up to 76' AGL/857' MSL. Rw 36, tree 2' from DER, 247' right of centerline, 2' AGL/759' MSL. Trees, terrain, fence, bridge, road, pole, beginning 12' from DER, 139' right of centerline, up to 64' AGL/821' MSL. Fence 78' from DER, 364' left of centerline, 4' AGL/762' MSL. Tree, terrain, sign, pole, beginning 189' from DER, 23' left of centerline, up to 57' AGL/814' MSL. Tree 2539' from DER, 185' right of centerline, 12' AGL/838' MSL.

WARRENSBURG, MO
SKYHAVEN (RCM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15120 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 1, trees beginning 192' from DER, 341' right of centerline, up to 37' AGL/817' MSL. Rw 14, sign 177' from DER, 273' right of centerline, 30' AGL/815' MSL. Rw 19, trees beginning 5' from DER, 177' right of centerline, up to 27' AGL/815' MSL. Bldg, sign, multiple trees and poles beginning 466' from DER, 188' left of centerline up to 48' AGL/837' MSL. Transmission lines beginning 1219' from DER, 188' left of centerline, up to 40' AGL/832' MSL.

WARSAW, MO
WARSAW MUNI (RAW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14317 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 18, tree 616' from DER, 475' left of centerline, 38' AGL/944' MSL. Rw 36, trees beginning 233' from DER, 284' left of centerline, up to 100' AGL/1066' MSL. Building 3720' from DER, 193' right of centerline, 100' AGL/1029' MSL.

WASHINGTON, IA
WASHINGTON MUNI (AWG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 16091 (FAA)
TAKEOFF MINIMUMS: Rw 31, 400-2½ or std. w/min. climb of 275' per NM to 1200, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.
TAKEOFF OBSTACLE NOTES: Rw 13, trees beginning 1411' from DER, 280' right of centerline, up to 58' AGL/807' MSL. Rw 18, terrain 140' from DER, 466' right of centerline, 6' AGL/765' MSL. Rw 31, tower 1.98 NM from DER, 397' right of centerline, 308' AGL/1065' MSL. Rw 36, tank 5303' from DER, 285' left of centerline, 150' AGL/893' MSL.

WASHINGTON, MO
WASHINGTON RGNL (FYG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09295 (FAA)
TAKEOFF MINIMUMS: Rw 33, 400-2½ or std. w/min. climb of 275' per NM to 1000.
DEPARTURE PROCEDURE: Rw 15, climb heading 153° to 1100 before turning left.
TAKEOFF OBSTACLE NOTES: Rw 15, numerous trees beginning 3076' from DER, 618' left of centerline up to 108' AGL/589' MSL. Rw 33, numerous trees beginning 1035' from DER, 171' left of centerline, up to 68' AGL/552' MSL. Numerous trees beginning 2907' from DER, 66' right of centerline up to 65' AGL/824' MSL.

WATERLOO, IA
WATERLOO RGNL (ALO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 06271 (FAA)
TAKEOFF OBSTACLE NOTES: Rw 6, multiple trees beginning 2087' from DER, 265' right of centerline, up to 71' AGL/944' MSL. tree 2226' from DER, 125' left of centerline. 69' AGL/932' MSL. Rw 24, tree 2262' from DER, 473' right of centerline, 55' AGL/925' MSL. Rw 30, multiple trees beginning 2160' from DER, 938' right of centerline, up to 95' AGL/995' MSL. Rw 36, multiple trees beginning 1213' from DER, 157' right of centerline, up to 54' AGL/1004' MSL.
TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

WAVERLY, IA
WAVERLY MUNI (C25)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 90123 (FAA)
TAKEOFF MINIMUMS: Rwys 11, 29, 300-1.

WEBSTER CITY, IA
WEBSTER CITY MUNI (EBS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14261 (FAA)
TAKEOFF MINIMUMS: Rwys 5, 23, NA-Environment.
TAKEOFF OBSTACLE NOTES: Rwy 14, bush 22’ from DER, 302’ left of centerline, 5’ AGL/1125’ MSL. Bush 189’ from DER, 487’ right of centerline, 9’ AGL/1129’ MSL. Trees beginning 1838’ from DER, 225’ left of centerline, up to 65’ AGL/1185’ MSL. Rwy 32, vehicles on roadway, 354’ from DER, 497’ right of centerline, up to 15’ AGL/1119’ MSL.

WEST PLAINS, MO
WEST PLAINS RGNL (UNO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14261 (FAA)
TAKEOFF MINIMUMS: Rwys 36, 300-1¼ or std. w/ a min. climb of 215’ per NM to 1500, or alternatively, with std. takeoff minimums and a normal 200’ per MN climb gradient, takeoff must occur no later than 1400’ prior to DER.
TAKEOFF OBSTACLE NOTES: Rwy 18, trees beginning 98’ from DER, 65’ right of centerline, up to 100’ AGL/1339’ MSL. Vehicle on road, 199’ from DER, 302’ left of centerline, 15’ AGL/1254’ MSL. Trees beginning 978’ from DER, 388’ left of centerline, up to 77’ AGL/1277’ MSL.

WEST UNION, IA
GEORGE L SCOTT MUNI (3Y2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 16091 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 17, buildings beginning 105’ from DER, 322’ left of centerline, up to 1207’ MSL. Tower 315’ from DER, 296’ left of centerline, 23’ AGL/1212’ MSL. Pole 341’ from DER, 432’ left of centerline, 34’ AGL/1212’ MSL. Pole and tower beginning 342’ from DER, 262’ left of centerline, up to 35’ AGL/1223’ MSL. NAVAID and pole beginning 345’ from DER, 266’ left of centerline, up to 39’ AGL/1227’ MSL. Tree 2139’ from DER, 1012’ left of centerline, 1265’ MSL. Tree 2370’ from DER, 998’ left of centerline, 1273’ MSL. Tree 2477’ from DER, 908’ left of centerline, 1286’ MSL. Rwy 35, tree 58’ from DER, 202’ right of centerline, 1236’ MSL. T-l tower 842’ from DER, 610’ left of centerline, 28’ AGL/1260’ MSL. Pole 961’ from DER, 389’ right of centerline, 30’ AGL/1257’ MSL. Pole 1068’ from DER, 407’ left of centerline, 28’ AGL/1266’ MSL. Tree 1136’ from DER, 573’ left of centerline, 1270’ MSL.

WHITEMAN AFB (KSZL), KNOB NOSTER, MO
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 15232
TAKEOFF OBSTACLE NOTES: Rwy 1, aircraft 17’ AGL/886’ MSL, 40’ inward of DER, 531’ left of centerline. Rwy 19, tree 95’ AGL/945’ MSL, 3411’ from DER, 1073’ right of centerline.

WINTerset, IA
WINTerset MUNI (3Y3)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 15008 (FAA)
TAKEOFF OBSTACLE NOTES: Rwy 14, trees beginning 132’ from DER, left and right of centerline, up to 100’ AGL/1121’ MSL. Rwy 32, vehicles on road beginning 43’ from DER, left and right of centerline, up to 15’ AGL/1154’ MSL. Pole 158’ from DER, 190’ left of centerline 26’ AGL/1139’ MSL. Trees beginning 548’ from DER, left and right of centerline, up to 100’ AGL/1186’ MSL. Building 599’ from DER, 418’ left of centerline, 25’ AGL/1140’ MSL.