

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KOWD	NORWOOD	MA	9	

TAKEOFF MINIMUMS:

RWY 17: STANDARD.

RWY 10: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 440 FT/NM TO 300.

RWY 28: 400-2 OR STANDARD WITH MINIMUM CLIMB OF 385 FT/NM TO 400.

RWY 35: STANDARD WITH MINIMUM CLIMB OF 260 FT/NM TO 1800, OR 1300-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 10: CLIMB ON HEADING 103.77 TO 1100 BEFORE TURNING NORTH.

RWY 28: CLIMB ON HEADING 274.77 TO 800 BEFORE TURNING NORTH.

VISUAL CLIMB OVER AIRPORT:

RWY 35: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS NORWOOD MEML AIRPORT AT OR ABOVE 1200 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10: VEGETATION, TERRAIN BEGINNING 13 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/52 FT MSL.

TREES BEGINNING 89 FT FROM DER, 115 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/110 FT MSL.

TREE, VEGETATION BEGINNING 130 FT FROM DER, 135 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/60 FT MSL.

TREES BEGINNING 662 FT FROM DER, 530 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/101 FT MSL.

TREES BEGINNING 701 FT FROM DER, 132 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/116 FT MSL.

TREES BEGINNING 1062 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 109 FT MSL.

TREES BEGINNING 1092 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 120 FT MSL.

TREES BEGINNING 1192 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 112 FT MSL.

TREES BEGINNING 1262 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 123 FT MSL.

TREES BEGINNING 1496 FT FROM DER, 70 FT LEFT OF CENTERLINE, UP TO 123 FT MSL.

TREES BEGINNING 1631 FT FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 126 FT MSL.

TREES BEGINNING 2150 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 138 FT MSL.

TREES BEGINNING 2431 FT FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 124 FT MSL.

TREES BEGINNING 2530 FT FROM DER, 50 FT RIGHT OF CENTERLINE, UP TO 137 FT MSL.

TREES BEGINNING 2724 FT FROM DER, 47 FT LEFT OF CENTERLINE, UP TO 139 FT MSL.

POLES, TREES BEGINNING 2859 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 155 FT AGL/203 FT MSL.

TREE 3320 FT FROM DER, 443 FT RIGHT OF CENTERLINE, 140 FT MSL.

TREES BEGINNING 3539 FT FROM DER, 115 FT RIGHT OF CENTERLINE, UP TO 173 FT MSL.

TREES BEGINNING 3786 FT FROM DER, 687 FT RIGHT OF CENTERLINE, UP TO 176 FT MSL.

TREES BEGINNING 3881 FT FROM DER, 918 FT RIGHT OF CENTERLINE, UP TO 177 FT MSL.

TREES BEGINNING 4011 FT FROM DER, 599 FT RIGHT OF CENTERLINE, UP TO 186 FT MSL.

TREES BEGINNING 4117 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 209 FT MSL.

TREES BEGINNING 4239 FT FROM DER, 286 FT RIGHT OF CENTERLINE, UP TO 222 FT MSL.

TREES BEGINNING 4623 FT FROM DER, 432 FT RIGHT OF CENTERLINE, UP TO 223 FT MSL.

TREES BEGINNING 4676 FT FROM DER, 9 FT RIGHT OF CENTERLINE, UP TO 229 FT MSL.

TREE 5754 FT FROM DER, 1124 FT LEFT OF CENTERLINE, 204 FT MSL.

TREES BEGINNING 5788 FT FROM DER, 84 FT LEFT OF CENTERLINE, UP TO 208 FT MSL.

TREES BEGINNING 5882 FT FROM DER, 107 FT LEFT OF CENTERLINE, UP TO 213 FT MSL.

TREE 5932 FT FROM DER, 658 FT LEFT OF CENTERLINE, 217 FT MSL.

TREES BEGINNING 5940 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 218 FT MSL.

TREES BEGINNING 6075 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 219 FT MSL.

TREES BEGINNING 1 NM FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 227 FT MSL.

TREES BEGINNING 1 NM FROM DER, 172 FT RIGHT OF CENTERLINE, UP TO 230 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 254 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 31 FT RIGHT OF CENTERLINE, UP TO 107 FT AGL/257 FT MSL.

POLE 1.9 NM FROM DER, 2146 FT LEFT OF CENTERLINE, 115 FT AGL/355 FT MSL.

POLE 2.3 NM FROM DER, 2146 FT LEFT OF CENTERLINE, 115 FT AGL/355 FT MSL.

NOTE: RWY 17: TREE 42 FT FROM DER, 506 FT LEFT OF CENTERLINE, 33 FT AGL/76 FT MSL.

VEGETATION 60 FT FROM DER, 306 FT RIGHT OF CENTERLINE, 5 FT AGL/50 FT MSL.

TREE 69 FT FROM DER, 363 FT LEFT OF CENTERLINE, 34 FT AGL/83 FT MSL.

VEGETATION BEGINNING 85 FT FROM DER, 434 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/54 FT MSL.

TREES BEGINNING 88 FT FROM DER, 319 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/92 FT MSL.

TREE 452 FT FROM DER, 439 FT RIGHT OF CENTERLINE, 25 FT AGL/66 FT MSL.

TREES BEGINNING 595 FT FROM DER, 509 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/103 FT MSL.

TREES BEGINNING 928 FT FROM DER, 627 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/93 FT MSL.

TREES BEGINNING 1033 FT FROM DER, 450 FT LEFT OF CENTERLINE, UP TO 57 FT AGL/98 FT MSL.

TREE 1309 FT FROM DER, 697 FT LEFT OF CENTERLINE, 61 FT AGL/102 FT MSL.

TREES BEGINNING 1327 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/113 FT MSL.

TREE 1363 FT FROM DER, 645 FT RIGHT OF CENTERLINE, 62 FT AGL/104 FT MSL.
 TREE 1592 FT FROM DER, 745 FT RIGHT OF CENTERLINE, 67 FT AGL/110 FT MSL.
 TREES BEGINNING 1720 FT FROM DER, 775 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/117 FT MSL.
 TREES BEGINNING 1823 FT FROM DER, 244 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/117 FT MSL.
 TREE 1968 FT FROM DER, 796 FT RIGHT OF CENTERLINE, 77 FT AGL/121 FT MSL.
 TREES BEGINNING 2044 FT FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/127 FT MSL.
 TREES BEGINNING 2564 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 97 FT AGL/143 FT MSL.
 TREE 2627 FT FROM DER, 352 FT LEFT OF CENTERLINE, 77 FT AGL/119 FT MSL.
 TREES BEGINNING 2716 FT FROM DER, 292 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/124 FT MSL.
 TREES BEGINNING 2723 FT FROM DER, 141 FT RIGHT OF CENTERLINE, UP TO 104 FT AGL/151 FT MSL.
 TREES BEGINNING 2787 FT FROM DER, 179 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/137 FT MSL.
 TREES BEGINNING 2815 FT FROM DER, 877 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/155 FT MSL.
 TREES BEGINNING 2939 FT FROM DER, 657 FT RIGHT OF CENTERLINE, UP TO 157 FT MSL.
 TREES BEGINNING 3153 FT FROM DER, 996 FT RIGHT OF CENTERLINE, UP TO 161 FT MSL.
 TREES BEGINNING 3297 FT FROM DER, 999 FT RIGHT OF CENTERLINE, UP TO 180 FT MSL.

NOTE: RWY 28: VEGETATION 15 FT FROM DER, 147 FT LEFT OF CENTERLINE, 4 FT AGL/51 FT MSL.
 VEGETATION BEGINNING 98 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/54 FT MSL.
 VEGETATION 109 FT FROM DER, 301 FT LEFT OF CENTERLINE, 7 FT AGL/53 FT MSL.
 TREE 114 FT FROM DER, 196 FT LEFT OF CENTERLINE, 17 FT AGL/62 FT MSL.
 BUILDING, VEGETATION BEGINNING 162 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/71 FT MSL.
 BUILDING, VEGETATION, POLE BEGINNING 222 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/78 FT MSL.
 VEGETATION 258 FT FROM DER, 375 FT RIGHT OF CENTERLINE, 12 FT AGL/56 FT MSL.
 TREE 356 FT FROM DER, 170 FT RIGHT OF CENTERLINE, 18 FT AGL/62 FT MSL.
 TREE 361 FT FROM DER, 238 FT LEFT OF CENTERLINE, 33 FT AGL/81 FT MSL.
 TREE, POLES, BUILDING, VEHICLE ON ROAD BEGINNING 376 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/86 FT MSL.
 VEGETATION 487 FT FROM DER, 612 FT RIGHT OF CENTERLINE, 22 FT AGL/67 FT MSL.
 POLE 511 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 23 FT AGL/73 FT MSL.
 TREES, VEHICLE ON ROAD, POLE BEGINNING 532 FT FROM DER, 61 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/89 FT MSL.
 TREES, POLES, VEHICLE ON ROAD BEGINNING 544 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/87 FT MSL.
 TREES, POLES, VEHICLE ON ROAD BEGINNING 600 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/104 FT MSL.
 TREE, VEHICLE ON ROAD BEGINNING 609 FT FROM DER, 121 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/111 FT MSL.
 TREES, POLES, VEHICLE ON ROAD BEGINNING 628 FT FROM DER, 32 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/119 FT MSL.
 TREES, VEHICLE ON ROAD, POLE BEGINNING 691 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/122 FT MSL.
 TREES, VEHICLE ON ROAD BEGINNING 753 FT FROM DER, 71 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/129 FT MSL.
 TREE, POLE, VEHICLE ON ROAD BEGINNING 810 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/131 FT MSL.
 TREES, POLES, VEHICLE ON ROAD, SMOKESTACKS, BUILDINGS BEGINNING 834 FT FROM DER, 7 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/132 FT MSL.
 TREE, VEHICLE ON ROAD, POLE, SMOKESTACK BEGINNING 886 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 116 FT MSL.
 TREES, VEHICLE ON ROAD, SMOKESTACKS, BUILDING, POLES BEGINNING 948 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 136 FT MSL.
 TREES BEGINNING 1634 FT FROM DER, 234 FT LEFT OF CENTERLINE, UP TO 138 FT MSL.
 TREES, VEHICLE ON ROAD, SMOKESTACK, POLES, TERRAIN BEGINNING 1662 FT FROM DER, 51 FT LEFT OF CENTERLINE, UP TO 142 FT MSL.
 TREES, VEHICLE ON ROAD, POLES, BUILDING BEGINNING 1793 FT FROM DER, 53 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/148 FT MSL.
 TREE 1870 FT FROM DER, 341 FT RIGHT OF CENTERLINE, 161 FT MSL.
 TREES, VEHICLE ON ROAD, POLE BEGINNING 1884 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 172 FT MSL.
 TREES, POLE, VEHICLE ON ROAD, BUILDING BEGINNING 1957 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 156 FT MSL.
 TREES, VEHICLE ON ROAD, SMOKESTACKS, BUILDING BEGINNING 2008 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 157 FT MSL.
 TREES, POLES, VEHICLE ON ROAD BEGINNING 2022 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 176 FT MSL.
 TREES, VEHICLE ON ROAD, SMOKESTACKS BEGINNING 2199 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 163 FT MSL.
 TREES, SMOKESTACK BEGINNING 2220 FT FROM DER, 181 FT RIGHT OF CENTERLINE, UP TO 184 FT MSL.
 TREES, VEHICLE ON ROAD, POLES, SMOKESTACKS BEGINNING 2237 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 186 FT MSL.
 TREE 2323 FT FROM DER, 101 FT LEFT OF CENTERLINE, 172 FT MSL.
 TREE 2330 FT FROM DER, 38 FT LEFT OF CENTERLINE, 173 FT MSL.
 TREES, SMOKESTACK, TANK, BUILDINGS, POLES, VEHICLE ON ROAD BEGINNING 2348 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 175 FT MSL.
 TREES, POLES, SMOKESTACKS, VEHICLE ON ROAD BEGINNING 2654 FT FROM DER, 44 FT LEFT OF CENTERLINE, UP TO 180 FT MSL.
 TREES, VEHICLE ON ROAD, POLES BEGINNING 2795 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 188 FT MSL.
 TREES, POLE, VEHICLE ON ROAD BEGINNING 2868 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/188 FT MSL.
 TREES, POLES, SMOKESTACKS, VEHICLE ON ROAD, BUILDINGS BEGINNING 2928 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/198 FT MSL.
 TREES, BUILDINGS, POLES, SMOKESTACKS BEGINNING 2990 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 198 FT MSL.
 TREES, POLES, SMOKESTACK, BUILDINGS BEGINNING 3646 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 213 FT MSL.
 TREES BEGINNING 4151 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 218 FT MSL.
 TREES BEGINNING 4166 FT FROM DER, 154 FT RIGHT OF CENTERLINE, UP TO 223 FT MSL.
 TREES BEGINNING 4314 FT FROM DER, 130 FT RIGHT OF CENTERLINE, UP TO 224 FT MSL.
 TREES, POLE BEGINNING 4363 FT FROM DER, 486 FT RIGHT OF CENTERLINE, UP TO 232 FT MSL.
 TOWER 4465 FT FROM DER, 238 FT RIGHT OF CENTERLINE, 157 FT AGL/261 FT MSL.
 POLES, TREES, SMOKESTACKS, BUILDINGS BEGINNING 4577 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 173 FT MSL.
 POLE 5446 FT FROM DER, 631 FT LEFT OF CENTERLINE, 225 FT MSL.
 SMOKESTACKS, TREES BEGINNING 5558 FT FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 117 FT AGL/234 FT MSL.
 BUILDING SPIRES, TREES, BUILDING BEGINNING 5780 FT FROM DER, 773 FT RIGHT OF CENTERLINE, UP TO 262 FT MSL.
 BUILDING SPIRE, TREES BEGINNING 6044 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 143 FT AGL/284 FT MSL.



BUILDING SPIRE, TREES BEGINNING 1.2 NM FROM DER, 36 FT LEFT OF CENTERLINE, UP TO 283 FT MSL.
TREES BEGINNING 1.2 NM FROM DER, 38 FT RIGHT OF CENTERLINE, UP TO 300 FT MSL.
TREES BEGINNING 1.3 NM FROM DER, 27 FT RIGHT OF CENTERLINE, UP TO 307 FT MSL.
TREES BEGINNING 1.4 NM FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 291 FT MSL.
TREES BEGINNING 1.4 NM FROM DER, 142 FT RIGHT OF CENTERLINE, UP TO 318 FT MSL.
TREE, BUILDING BEGINNING 1.5 NM FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 324 FT MSL.
TREES BEGINNING 1.5 NM FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 100 T AGL/297 FT MSL.
BUILDING, TREES BEGINNING 1.6 NM FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/315 FT MSL.
TREES, SMOKESTACK, BUILDING, TANK, ANTENNAS BEGINNING 1.6 NM FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 127 FT AGL/380 FT MSL.
TOWER 1.6 NM FROM DER, 722 FT RIGHT OF CENTERLINE, 132 FT AGL/386 FT MSL.
TREE 1.7 NM FROM DER, 1255 FT LEFT OF CENTERLINE, 314 FT MSL.

NOTE: RWY 35: SIGNS BEGINNING 20 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 3 FT AGL/50 FT MSL.
TREE, VEGETATION BEGINNING 23 FT FROM DER, 276 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/71 FT MSL.
VEGETATION 118 FT FROM DER, 468 FT LEFT OF CENTERLINE, 9 FT AGL/54 FT MSL.
TREES BEGINNING 278 FT FROM DER, 559 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/92 FT MSL.
TREE 382 FT FROM DER, 580 FT LEFT OF CENTERLINE, 26 FT AGL/70 FT MSL.
TREE 599 FT FROM DER, 588 FT RIGHT OF CENTERLINE, 58 FT AGL/101 FT MSL.
TREE 601 FT FROM DER, 478 FT LEFT OF CENTERLINE, 34 FT AGL/78 FT MSL.
TREES BEGINNING 636 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/123 FT MSL.
TREES BEGINNING 683 FT FROM DER, 68 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/121 FT MSL.
TREES BEGINNING 1494 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 128 FT MSL.
TREES BEGINNING 2285 FT FROM DER, 148 FT RIGHT OF CENTERLINE, UP TO 132 FT MSL.
TREES BEGINNING 2792 FT FROM DER, 421 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/124 FT MSL.
TREES BEGINNING 2876 FT FROM DER, 283 FT LEFT OF CENTERLINE, UP TO 125 FT MSL.
TREES BEGINNING 2949 FT FROM DER, 516 FT LEFT OF CENTERLINE, UP TO 130 FT MSL.
TREES BEGINNING 3123 FT FROM DER, 367 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/133 FT MSL.
TREE 3392 FT FROM DER, 1343 FT RIGHT OF CENTERLINE, 137 FT MSL.
TREE 3531 FT FROM DER, 1392 FT RIGHT OF CENTERLINE, 144 FT MSL.
TREES BEGINNING 3658 FT FROM DER, 1317 FT RIGHT OF CENTERLINE, UP TO 154 FT MSL.
TREE 3968 FT FROM DER, 1326 FT RIGHT OF CENTERLINE, 157 FT MSL.
TREES BEGINNING 3997 FT FROM DER, 1283 FT RIGHT OF CENTERLINE, UP TO 173 FT MSL.
POLE 5686 FT FROM DER, 769 FT RIGHT OF CENTERLINE, 150 FT AGL/211 FT MSL.
POLE 5857 FT FROM DER, 936 FT RIGHT OF CENTERLINE, 155 FT AGL/216 FT MSL.
TREE 1 NM FROM DER, 2250 FT LEFT OF CENTERLINE, 219 FT MSL.
TREES BEGINNING 1.1 NM FROM DER, 1473 FT LEFT OF CENTERLINE, UP TO 246 FT MSL.

CONTROLLING OBSTACLES:

RWY 10: 203 FT MSL POLE 421145.33N/0710911.94W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE), 355 FT MSL POLE 421156.18N/0710709.88W (CEILING) (VISIBILITY).
RWY 28: 261 FT MSL TOWER 421133.00N/0711142.00W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE), 386 FT MSL TOWER 421136.55N/0711258.00W (CEILING), 314 FT MSL TREE 421116.98N/0711300.00W (VISIBILITY).
RWY 35: 1352 FT MSL TOWER 421810.74N/0711304.92W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10: 869 FT MSL TOWER 421242.00N/0710648.00W, RWY 28: 570 FT MSL AAO 421222.78N/0711526.00W.

REMARKS:

Digitally signed by

FLIGHT INSPECTED BY
DANIEL KIRBY

JOHN BORDY
Nov 17, 2023

OFFICE
FPO

DATE
11/15/2023

Digitally signed by

DEVELOPED BY

RAKE MCGRAW (NICHOLAS PRATER)

JOHN BORDY
Nov 17, 2023

OFFICE
AJV-A422

DATE
06/20/2023

Digitally signed by

APPROVED BY

JOHN BORDY

JOHN BORDY
Nov 17, 2023

OFFICE
AJV-A33

DATE
11/17/2024

TITLE
MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER: BOSTON ARTCC (ZBW), BOSTON APP CON (A90), OWD ATCT, AMGR

CHANGES - REASONS:

- RUNWAY 10 TAKEOFF MINIMUMS CHANGED FROM A CG OF 335 FT/NM TO 300 TO 440 FT/NM TO 300. – CG/CGTA CONTROLLING OBSTACLE CHANGE FROM 222FT TREE 421121.11N/0710852.91W TO 203FT POLE 421145.33N/0710911.94W.
- RUNWAY 28 OBSTACLE MANDATING ROUTE DEVELOPMENT CONTROLLING OBSTACLE CHANGE FROM 583 FT MSL AAO 4211225.75N/0711520.61W TO 570 FT MSL AAO 421222.78N/0711526.45W. - NEW MANUAL TERRAIN EVALUATION.
- CHANGED RUNWAY 28 TEXTUAL DEPARTURE FROM "CLIMB ON HEADING 274.77 TO 700 BEFORE TURNING NORTH" TO "CLIMB ON HEADING 274.77 TO 800 BEFORE TURNING NORTH." - NEW MANUAL TERRAIN EVALUATION.

AIRPORT ID
KOWD

CITY
NORWOOD

STATE
MA

AMDT NO
9

ACTUAL EFFECTIVE DATE

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4. ADDED RUNWAY 35 VCOA - IAW 8260.46J TABLE 2-1-1.
 5. CHANGED RUNWAY 35 TAKEOFF MINIMUMS FROM "RWY 35: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 400 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FEET PRIOR TO DER." TO "STANDARD WITH MINIMUM CLIMB OF 260 FT/NM TO 1800, OR 1300-3 FOR VCOA" AND REMOVED CEILING AND VISIBILITY OBSTACLES – IAW 8260.46J TABLE 2-1-1 AND CURRENT OBSTACLE EVALUATION.
 6. REMOVED RUNWAY 35 TEXTUAL DEPARTURE AND OBSTACLES MANDATING ODP ROUTE DEVELOPMENT – IAW 8260.46J TABLE 2-1-1 AND CURRENT OBSTACLE EVALUATION.
 7. UPDATED TAKEOFF OBSTACLE NOTES TO ALL RUNWAYS. – UPDATED TO REFLECT CURRENT OBSTACLE EVALUATION.

