

**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>
KEWB	NEW BEDFORD	MA	8A	20 APRIL 2023

**TAKEOFF MINIMUMS:**

RWY 5, 23: STANDARD.

RWY 14: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 276 FT/NM TO 300.

RWY 32: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 251 FT/NM TO 300 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FEET PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 14: CLIMB ON HEADING 144.49 TO 700 BEFORE TURNING RIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

RWY 5: POLE 37 FT FROM DER, ON AND LEFT OF CENTERLINE, 13 FT AGL/87 FT MSL. VEHICLE ON ROADWAY 198 FT FROM DER, 499 FT RIGHT OF CENTERLINE, 105 FT MSL. TREE, POLE BEGINNING 227 FT FROM DER, ON CENTERLINE, UP TO 9 FT AGL/110 FT MSL. TREE, TERRAIN, POLE, VEHICLE ON ROADWAY BEGINNING 508 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 4 FT AGL/111 FT MSL. NAVAID, VEGETATION BEGINNING 524 FT FROM DER, 56 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/103 FT MSL. TREE, VEHICLE ON ROADWAY, VEGETATION BEGINNING 718 FT FROM DER, 21 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/122 FT MSL. TREE, VEGETATION BEGINNING 825 FT FROM DER, 85 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL/122 FT MSL. TREE, VEGETATION BEGINNING 896 FT FROM DER, 90 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/126 FT MSL. TREE, TERRAIN BEGINNING 1016 FT FROM DER, 214 FT RIGHT OF CENTERLINE, UP TO 134 FT MSL. TREES BEGINNING 1198 FT FROM DER, 104 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/143 FT MSL. TREES BEGINNING 1268 FT FROM DER, 369 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/145 FT MSL. TREES BEGINNING 2096 FT FROM DER, 94 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/160 FT MSL. TREES BEGINNING 2234 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/156 FT MSL. TREE 2393 FT FROM DER, 731 FT RIGHT OF CENTERLINE, 160 FT MSL. TREES BEGINNING 2456 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 176 FT MSL. TREES BEGINNING 2623 FT FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 162 FT MSL. TREES BEGINNING 2849 FT FROM DER, 603 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/167 FT MSL. BUILDING, TREE BEGINNING 3104 FT FROM DER, 407 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/180 FT MSL. TREE 3869 FT FROM DER, 549 FT LEFT OF CENTERLINE, 74 FT AGL/176 FT MSL. TREE 3873 FT FROM DER, 1337 FT RIGHT OF CENTERLINE, 187 FT MSL. TREE 3895 FT FROM DER, 649 FT LEFT OF CENTERLINE, 79 FT AGL/183 FT MSL. TREE 3929 FT FROM DER, 564 FT LEFT OF CENTERLINE, 82 FT AGL/185 FT MSL.

RWY 14: LIGHT POLES 9 FT FROM DER, 64 FT LEFT OF CENTERLINE, 8 FT AGL/68 FT MSL. TREES BEGINNING 20 FT FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 95 FT MSL. SIGN 39 FT FROM DER, 151 FT RIGHT OF CENTERLINE, 8 FT AGL/68 FT MSL. TREES BEGINNING 333 FT FROM DER, 378 FT LEFT OF CENTERLINE, UP TO 117 FT MSL. TREE, POLE BEGINNING 388 FT FROM DER, 480 FT RIGHT OF CENTERLINE, UP TO 96 FT MSL. TREE 504 FT FROM DER, 605 FT RIGHT OF CENTERLINE, 102 FT MSL. TREES BEGINNING 560 FT FROM DER, 272 FT RIGHT OF CENTERLINE, UP TO 108 FT MSL. TREE, BUILDING, POLE, TOWER BEGINNING 565 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 133 FT MSL. TREES BEGINNING 670 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 126 FT MSL. TREE 740 FT FROM DER, 537 FT RIGHT OF CENTERLINE, 129 FT MSL. TREES BEGINNING 750 FT FROM DER, 383 FT RIGHT OF CENTERLINE, UP TO 133 FT MSL. TREE, POLE BEGINNING 760 FT FROM DER, 233 FT RIGHT OF CENTERLINE, UP TO 137 FT MSL. TREES BEGINNING 891 FT FROM DER, 534 FT LEFT OF CENTERLINE, UP TO 136 FT MSL. TREE, BUILDING, POLE, TERRAIN, VEGETATION, MONUMENT, VERTICAL STRUCTURE, VEHICLE ON ROADWAY, FENCE, SMOKESTACK, SIGN BEGINNING 909 FT FROM DER, 168 FT LEFT OF CENTERLINE, UP TO 145 FT MSL. TREE, SMOKESTACK, BUILDING BEGINNING 1981 FT FROM DER, 118 FT RIGHT OF CENTERLINE, UP TO 151 FT MSL. TREES BEGINNING 2129 FT FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 154 FT MSL. TREES BEGINNING 2299 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 149 FT MSL. TREES BEGINNING 2378 FT FROM DER, ON CENTERLINE, UP TO 162 FT MSL. TREES BEGINNING 2855 FT FROM DER, 422 FT RIGHT OF CENTERLINE, UP TO 163 FT MSL. SIGN, TREE, BUILDING BEGINNING 2916 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/171 FT MSL. TREE 2959 FT FROM DER, 115 FT LEFT OF CENTERLINE, 150 FT MSL. TREES BEGINNING 2970 FT FROM DER, 52 FT LEFT OF CENTERLINE, UP TO 151 FT MSL. BUILDING 3314 FT FROM DER, 1210 FT LEFT OF CENTERLINE, 63 FT AGL/152 FT MSL. BUILDING BEGINNING 3334 FT FROM DER, 806 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/160 FT MSL. SMOKESTACK 4101 FT FROM DER, 1392 FT LEFT OF CENTERLINE, 126 FT AGL/213 FT MSL. BUILDING 4899 FT FROM DER, 1373 FT RIGHT OF CENTERLINE, 143 FT AGL/235 FT MSL. BUILDING 1.1 NM FROM DER, 423 FT LEFT OF CENTERLINE, 228 FT AGL/281 FT MSL. BUILDING SPIRE 1.1 NM FROM DER, 424 FT LEFT OF CENTERLINE, 235 FT AGL/279 FT MSL.

RWY 23: VEGETATION 6 FT FROM DER, 491 FT LEFT OF CENTERLINE, 65 FT MSL. NAVAID 7 FT FROM DER, ON CENTERLINE, 1 FT AGL/65 FT MSL. VEHICLE ON ROADWAY 29 FT FROM DER, 258 FT LEFT OF CENTERLINE, 75 FT MSL. VEHICLE ON ROADWAY 99 FT FROM DER, 204 FT RIGHT OF CENTERLINE, 74 FT MSL. TREE 2171 FT FROM DER, 903 FT RIGHT OF CENTERLINE, 54 FT AGL/127 FT MSL. TREE 2544 FT FROM DER, 1165 FT LEFT OF CENTERLINE, 137 FT MSL. TREE 2840 FT FROM DER, 1134 FT RIGHT OF CENTERLINE, 146 FT MSL.



RWY 32: VEGETATION, WALL BEGINNING 38 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 95 FT MSL. TREE, VEGETATION BEGINNING 176 FT FROM DER, 110 FT RIGHT OF CENTERLINE, UP TO 109 FT MSL. TREES BEGINNING 311 FT FROM DER, 112 FT RIGHT OF CENTERLINE, UP TO 124 FT MSL. WALL 366 FT FROM DER, 220 FT LEFT OF CENTERLINE, 2 FT AGL/87 FT MSL. TREE 393 FT FROM DER, 41 FT LEFT OF CENTERLINE, 92 FT MSL. TREES BEGINNING 398 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 96 FT MSL. TREES BEGINNING 417 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/134 FT MSL. POLE BEGINNING 539 FT FROM DER, 350 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/107 FT MSL. TREES BEGINNING 559 FT FROM DER, 67 FT RIGHT OF CENTERLINE, UP TO 139 FT MSL. TREE, POLE BEGINNING 686 FT FROM DER, 557 FT LEFT OF CENTERLINE, UP TO 120 FT MSL. TREES BEGINNING 775 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 148 FT MSL. TREE, BUILDING BEGINNING 856 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 140 FT MSL. TREES BEGINNING 1283 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 141 FT MSL. TREES BEGINNING 1848 FT FROM DER, 500 FT LEFT OF CENTERLINE, UP TO 144 FT MSL. TREE 2225 FT FROM DER, 609 FT LEFT OF CENTERLINE, 147 FT MSL. TREE 2270 FT FROM DER, 804 FT LEFT OF CENTERLINE, 148 FT MSL. TREES BEGINNING 2272 FT FROM DER, 512 FT LEFT OF CENTERLINE, UP TO 155 FT MSL. TREES BEGINNING 2377 FT FROM DER, 753 FT LEFT OF CENTERLINE, UP TO 157 FT MSL. TREES BEGINNING 2535 FT FROM DER, 679 FT LEFT OF CENTERLINE, UP TO 166 FT MSL. TREES BEGINNING 3746 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 173 FT MSL. TREE 3847 FT FROM DER, 19 FT RIGHT OF CENTERLINE, 176 FT MSL. TREE 3988 FT FROM DER, 69 FT LEFT OF CENTERLINE, 181 FT MSL. TREE 4186 FT FROM DER, 57 FT LEFT OF CENTERLINE, 183 FT MSL. TREE 4728 FT FROM DER, 243 FT LEFT OF CENTERLINE, 199 FT MSL. TREES BEGINNING 4806 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 200 FT MSL. TREE 4906 FT FROM DER, 491 FT RIGHT OF CENTERLINE, 203 FT MSL. TREES BEGINNING 4940 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 209 FT MSL. TREE 5033 FT FROM DER, 1506 FT LEFT OF CENTERLINE, 210 FT MSL. TREE 5050 FT FROM DER, 1631 FT LEFT OF CENTERLINE, 217 FT MSL. TREES BEGINNING 5076 FT FROM DER, 177 FT LEFT OF CENTERLINE, UP TO 220 FT MSL. TREE 5096 FT FROM DER, 573 FT RIGHT OF CENTERLINE, 208 FT MSL. TREE 5137 FT FROM DER, 508 FT RIGHT OF CENTERLINE, 209 FT MSL. TREES BEGINNING 5162 FT FROM DER, 1176 FT LEFT OF CENTERLINE, UP TO 225 FT MSL. TREES BEGINNING 5185 FT FROM DER, 394 FT RIGHT OF CENTERLINE, UP TO 210 FT MSL. TREES BEGINNING 5242 FT FROM DER, 180 FT RIGHT OF CENTERLINE, UP TO 219 FT MSL. TREES BEGINNING 5430 FT FROM DER, 387 FT RIGHT OF CENTERLINE, UP TO 221 FT MSL. TREE 5522 FT FROM DER, 1461 FT LEFT OF CENTERLINE, 226 FT MSL. TREES BEGINNING 5587 FT FROM DER, 574 FT RIGHT OF CENTERLINE, UP TO 225 FT MSL. TREES BEGINNING 5671 FT FROM DER, 1160 FT LEFT OF CENTERLINE, UP TO 227 FT MSL. TREE 5777 FT FROM DER, 1750 FT LEFT OF CENTERLINE, 228 FT MSL. TREES BEGINNING 5784 FT FROM DER, 434 FT RIGHT OF CENTERLINE, UP TO 227 FT MSL. TREE 5877 FT FROM DER, 1367 FT RIGHT OF CENTERLINE, 228 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 14, 235 FT MSL BUILDING 413937.57N/0705619.32W (CLIMB GRADIENT, CGTA), 281 FT MSL BUILDING 413936.81N/0705540.01W (CEILING), 279 FT MSL SPIRE 413936.81N/0705540.00W (VISIBILITY)  
RWY 32, 244 FT MSL TREE 414107.00N/0705900.99W (CLIMB GRADIENT/ CGTA), 302 FT MSL TREE 414154.13N/0705859.47W (CEILING), 298 FT MSL TREE 414157.05N/0705903.22W (VISIBILITY)  
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 14, 609 FT MSL TOWER 413720.19N/0705507.48W

**REMARKS:**

**FLIGHT INSPECTED BY**

BOB S PRESSLER

*Digitally signed by*

**JASON KRETSCHMER**

**OFFICE**

FPO

**DATE**

03/01/2023

Mar 02, 2023

**DEVELOPED BY**

CHARLES B. BROOKS

*Digitally signed by*

**CHARLES B BROOKS**

**OFFICE**

AJV-A421

**DATE**

01/20/2023

Feb 08, 2023

**APPROVED BY**

JASON KRETSCHMER

*Digitally signed by*

**JASON KRETSCHMER**

**OFFICE**

AJV-A421

**DATE**

Feb 14, 2023

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZBW, PVD APP CON, EWB ATCT, AMGR.

**CHANGES - REASONS:**

CHANGED TAKEOFF MINIMUMS FOR RWY 32 FROM: RWY 32, 300-2 OR STD. W/MIN. CLIMB OF 240' PER NM TO 400 OR ALTERNATIVELY, WITH STD. TAKEOFF MINIMUMS AND A NORMAL 200' PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900' PRIOR TO DER. TO: RWY 32, 300-1 3/4 OR STD. W/MIN. CLIMB OF 251' PER NM TO 300 OR ALTERNATIVELY, WITH STD. TAKEOFF MINIMUMS AND A NORMAL 200' PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100' PRIOR TO DER. - NEW CG OBST FOUND WITH NEW OIS SURVEY. CHANGED TAKEOFF MINIMUMS FOR RWY 14 FROM: RWY 14 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 280 FT/NM TO 400. TO: RWY 14:



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KEWB

**CITY**

NEW BEDFORD

**STATE**

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300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 276 FT/NM TO 300. - NEW OIS SURVEY ALLOWED FOR CHANGE TO TAKEOFF MINIMUMS.  
UPDATED LOW-CLOSE IN OBSTACLES FOR ALL RUNWAYS. - NEW OIS SURVEY.  
ADDED NEW CONTROLLING OBSTACLES RWY 32. - NEW OIS SURVEY.

