

**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>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
ANCHORAGE, AK	TED STEVENS ANCHORAGE INTL	24 MAY 2018	7B

**TAKEOFF MINIMUMS:**

RWY 7L: 300 - 1 1/8 WITH MINIMUM CLIMB OF 240 FT PER NM TO 500 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 500.  
RWY 7R: 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 400.  
RWY 15: 300 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 400.  
RWY 25L, 25R, 33: STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 7L, 7R, 15: CLIMBING RIGHT TURN HEADING 252.00, THENCE...  
RWY 25L, 25R: CLIMBING LEFT TURN HEADING 182.00, THENCE...  
RWY 33: CLIMBING LEFT TURN HEADING 162.00, THENCE...

...INTERCEPT TED VOR/DME R-210 AND ENA VOR/DME R-028 TO ENA VOR/DME BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 7L: VEGETATION 10 FT FROM DER, 492 FT RIGHT OF CENTERLINE, 95 FT MSL. NAVAID 10 FT FROM DER, 55 FT LEFT OF CENTERLINE, 10 FT AGL/92 FT MSL. TREE 789 FT FROM DER, 590 FT LEFT OF CENTERLINE, 133 FT MSL. TREES BEGINNING 934 FT FROM DER, 535 FT LEFT OF CENTERLINE, UP TO 142 FT MSL. TREES AND POLES BEGINNING 1037 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 148 FT MSL. TREE 1172 FT FROM DER, 738 FT RIGHT OF CENTERLINE, 148 FT MSL. TREES, POLES AND TRANSMISSION LINE BEGINNING 1366 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 158 FT MSL. TREES BEGINNING 1625 FT FROM DER, 100 FT LEFT OF CENTERLINE, UP TO 152 FT MSL. TREES BEGINNING 1983 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 174 FT MSL. POLE 3636 FT FROM DER, 1249 FT RIGHT OF CENTERLINE, 92 FT AGL/184 FT MSL. POLE 5244 FT FROM DER, 1181 FT LEFT OF CENTERLINE, 174 FT AGL/257 FT MSL. POLE 5756 FT FROM DER, 761 FT LEFT OF CENTERLINE, 171 FT AGL/259 FT MSL.

NOTE: RWY 7R: TERRAIN BEGINNING 10 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 103 FT MSL. SIGN 106 FT FROM DER, 462 FT RIGHT OF CENTERLINE, 9 FT AGL/111 FT MSL. POLE, TERRAIN AND VEGETATION BEGINNING 204 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/117 FT MSL. POLES BEGINNING 816 FT FROM DER, 698 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/132 FT MSL. TREES BEGINNING 1039 FT FROM DER, 599 FT RIGHT OF CENTERLINE, UP TO 159 FT MSL. TREES BEGINNING 1242 FT FROM DER, 573 FT RIGHT OF CENTERLINE, UP TO 172 FT MSL. TREES BEGINNING 3121 FT FROM DER, 1220 FT RIGHT OF CENTERLINE, UP TO 183 FT MSL. TREE 3334 FT FROM DER, 1277 FT RIGHT OF CENTERLINE, 189 FT MSL. TREE 3497 FT FROM DER, 1203 FT RIGHT OF CENTERLINE, 192 FT MSL. TREES BEGINNING 3921 FT FROM DER, 1003 FT RIGHT OF CENTERLINE, UP TO 221 FT MSL. TREES BEGINNING 4209 FT FROM DER, 1415 FT RIGHT OF CENTERLINE, UP TO 224 FT MSL. TREES BEGINNING 4274 FT FROM DER, 1209 FT RIGHT OF CENTERLINE, UP TO 236 FT MSL. TREE 4325 FT FROM DER, 1401 FT RIGHT OF CENTERLINE, 237 FT MSL. TREE 4363 FT FROM DER, 1479 FT RIGHT OF CENTERLINE, 246 FT MSL. TREES, TOWER AND TANKS BEGINNING 4378 FT FROM DER, 1139 FT RIGHT OF CENTERLINE, UP TO 255 FT MSL.

NOTE: RWY 15: TERRAIN AND SIGN BEGINNING 45 FT FROM DER, 421 FT RIGHT OF CENTERLINE, UP TO 125 FT MSL. SIGN 63 FT FROM DER, 366 FT RIGHT OF CENTERLINE, 10 FT AGL/126 FT MSL. TREES BEGINNING 1780 FT FROM DER, 383 FT RIGHT OF CENTERLINE, UP TO 183 FT MSL. TREES BEGINNING 1882 FT FROM DER, 186 FT RIGHT OF CENTERLINE, UP TO 187 FT MSL. TREE 2014 FT FROM DER, 813 FT RIGHT OF CENTERLINE, 189 FT MSL. TREE 2014 FT FROM DER, 216 FT LEFT OF CENTERLINE, 172 FT MSL. TREES BEGINNING 2018 FT FROM DER, 33 FT LEFT OF CENTERLINE, UP TO 179 FT MSL. TREES BEGINNING 2023 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 200 FT MSL. TREE 2076 FT FROM DER, 804 FT RIGHT OF CENTERLINE, 201 FT MSL. TREES BEGINNING 2079 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 205 FT MSL. TREES BEGINNING 2341 FT FROM DER, 100 FT RIGHT OF CENTERLINE, UP TO 206 FT MSL. TREE 2476 FT FROM DER, 943 FT LEFT OF CENTERLINE, 187 FT MSL. TREE 2510 FT FROM DER, 1004 FT LEFT OF CENTERLINE, 193 FT MSL. TREES BEGINNING 2527 FT FROM DER, 776 FT LEFT OF CENTERLINE, UP TO 195 FT MSL. TREE 2662 FT FROM DER, 785 FT LEFT OF CENTERLINE, 196 FT MSL. TREES BEGINNING 2671 FT FROM DER, 243 FT LEFT OF CENTERLINE, UP TO 198 FT MSL. TREE 2822 FT FROM DER, 259 FT LEFT OF CENTERLINE, 212 FT MSL. WATER TOWER 2833 FT FROM DER, 1070 FT LEFT OF CENTERLINE, 97 FT AGL/222 FT MSL. TOWER AND TREE BEGINNING 2833 FT FROM DER, 179 FT LEFT OF CENTERLINE, UP TO 106 FT AGL/227 FT MSL. ANTENNA, TOWER AND TREES BEGINNING 2857 FT FROM DER, 84 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/233 FT MSL. TREES BEGINNING 3025 FT FROM DER, 486 FT RIGHT OF CENTERLINE, UP TO 209 FT MSL. TREE 3116 FT FROM DER, 485 FT RIGHT OF CENTERLINE, 213 FT MSL. TREE 3137 FT FROM DER, 589 FT RIGHT OF CENTERLINE, 214 FT MSL. TREES BEGINNING 3166 FT FROM DER, 457 FT RIGHT OF CENTERLINE, UP TO 217 FT MSL. TREES BEGINNING 4059 FT FROM DER, 608 FT LEFT OF CENTERLINE, UP TO 247 FT MSL. TREE 4486 FT FROM DER, 1515 FT RIGHT OF CENTERLINE, 238 FT MSL. TREE 5183 FT FROM DER, 396 FT RIGHT OF CENTERLINE, 254 FT MSL. TREE 5415 FT FROM DER, 656 FT RIGHT OF CENTERLINE, 261 FT MSL. TREES BEGINNING 5507 FT FROM DER, 589 FT RIGHT OF CENTERLINE, UP TO 270 FT MSL. TREES BEGINNING 5535 FT FROM DER, 588 FT RIGHT OF CENTERLINE, UP TO 273 FT MSL. TREE 1.2 NM FROM DER, 2431 FT RIGHT OF CENTERLINE, 310 FT MSL.

NOTE: RWY 25L: NAVAID 4 FT FROM DER, ON CENTERLINE, 11 FT AGL/135 FT MSL. VEGETATION 17 FT FROM DER, 500 FT LEFT OF CENTERLINE, 143 FT MSL. FENCE 422 FT FROM DER, 601 FT LEFT OF CENTERLINE, 13 FT AGL/166 FT MSL. FENCE 454 FT FROM DER, 530 FT LEFT OF CENTERLINE, 14 FT AGL/168 FT MSL. TREES AND VEGETATION BEGINNING 843 FT FROM DER, 524 FT LEFT OF CENTERLINE, UP TO 174 FT MSL. TREES BEGINNING 1196 FT FROM DER, 601 FT LEFT OF CENTERLINE, UP TO 193 FT MSL. TREES BEGINNING 1301 FT FROM DER, 576 FT LEFT OF CENTERLINE, UP TO 194 FT MSL. TREES BEGINNING 1438 FT FROM DER, 771 FT LEFT OF CENTERLINE, UP TO 196 FT MSL.

NOTE: RWY 25R: NAVAID 9 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 6 FT AGL/128 FT MSL.

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NOTE: RWY 33: NAVAID 10 FT FROM DER, 85 FT LEFT OF CENTERLINE, 6 FT AGL/152 FT MSL. TREE 219 FT FROM DER, 551 FT LEFT OF CENTERLINE, 159 FT MSL. TREE 892 FT FROM DER, 580 FT RIGHT OF CENTERLINE, 177 FT MSL. TREE 1019 FT FROM DER, 708 FT RIGHT OF CENTERLINE, 178 FT MSL. TREE 1093 FT FROM DER, 511 FT RIGHT OF CENTERLINE, 181 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 7L: 257 FT MSL POLE 611023.01N/1495506.97W (CLIMB GRADIENT/CEILING), 259 FT MSL POLE 611018.87N/1495456.53W (VISIBILITY), 1382 FT MSL AAO 610624.57N/1494415.26W (CLIMB GRADIENT FOR CEIL/VIS).  
RWY 7R: 255 FT MSL TREE 610949.20N/1495652.24W.  
RWY 15: 310 FT MSL TREE 610858.71N/1500002.79W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 7L, 25R, 33: 5273 FT MSL AAO 610839.00N/1493336.00W, RWY 7R, 15, 25L: 5253 FT MSL AAO 610557.00N/1493506.00W.

**REMARKS:**

VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO AIRPORT TRAFFIC VOLUME.

THE CLIMB-TO ALTITUDE IS NOT OBSTACLE DRIVEN AND A CTA OF AT LEAST 400 FT ABOVE DER WAS USED TO MAINTAIN PROCEDURE GEOMETRY TO ALLOW FOR A LOWER CLIMB GRADIENT FOR BOTH THE CEILING AND VISIBILITY OPTION AND THE STANDARD CLIMB GRADIENT.

**FLIGHT INSPECTED BY:**

WILLIAM R GEISER

**OFFICE SYMBOL:**

*Digitally signed by* FICO

**ADOLFO D URRUTIA**

**DATE:**

4/6/18

**DEVELOPED BY:**

ADOLFO URRUTIA (CHRISTINE BAYSE)

*Digitally signed by*

**ADOLFO D URRUTIA**

Apr 12, 2018

Apr 12, 2018

**OFFICE SYMBOL:**

AJV-5432

**DATE:**

01/11/2018

**APPROVED BY:**

PATRICK MULQUEEN

*Digitally signed by*

**ADOLFO D URRUTIA**

Apr 12, 2018

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**      **ALPA**      **AOPA**      **APA**      **HAI**      **NBAA**

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**OTHER:**

ZAN, AMGR, ALASKA DOT, ANC APP CON, WESTERN FPT

**CHANGES - REASONS:**

1. CHANGED RWY 7L TAKEOFF MINIMUMS FROM "300- 1 1/4 WITH MINIMUM CLIMB OF 230 FT PER NM TO 1600 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 1600" TO "300- 1 1/8 WITH MINIMUM CLIMB OF 240 FT PER NM TO 500 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 500". - NEW CONTROLLING OBSTACLE.
2. UPDATED RWY 7R TAKEOFF MINIMUMS FROM "STANDARD" TO "300-1 OR STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 400". - NEW CONTROLLING OBSTACLE.
3. UPDATED RWY 15 TAKEOFF MINIMUMS FROM "STANDARD" TO "300- 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 400. - NEW CONTROLLING OBSTACLE.
4. UPDATED ALL TEXTUAL DEPARTURE PROCEDURES BY ADDING 2 DEGREES TO ALL HEADINGS. - AIRPORT MAG VAR UPDATED FROM 18E/2015 TO 16E/2020.
5. UPDATED TEXTUAL DEPARTURE PROCEDURES TED RADIAL FROM "R-211" TO "R-210". - MAG VAR UPDATED FROM 17E TO 18E.
6. UPDATED TAKEOFF OBSTACLE NOTES. - NEW OBSTACLES.
7. UPDATED CONTROLLING OBSTACLES. - NEW SURVEY.
8. ADDED REMARK "THE CLIMB-TO ALTITUDE IS NOT OBSTACLE DRIVEN AND A CTA OF AT LEAST 400 FT ABOVE DER WAS USED TO MAINTAIN PROCEDURE GEOMETRY TO ALLOW FOR A LOWER CLIMB GRADIENT FOR BOTH THE CEILING AND VISIBILITY OPTION AND THE STANDARD CLIMB GRADIENT." - EXPLAINING THE CLIMB GRADIENT TERMINATION ALTITUDE.

QUALITY  
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CHECKED