

**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	10/10/2019	8

TAKEOFF MINIMUMS:

RWY 7L: 300 - 1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 1600.

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...

...ON 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 07L, 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. TREE, POLE 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. TREE, POLE, 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 07R, 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, VEGETATION BEGINNING 204 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/117 FT MSL. POLE 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. TREE, TOWER, TANK BEGINNING 4378 FT FROM DER, 1139 FT RIGHT OF CENTERLINE, UP TO 255 FT MSL.

NOTE: RWY 15, TERRAIN, SIGN BEGINNING 42 FT FROM DER, 422 FT RIGHT OF CENTERLINE, UP TO 125 FT MSL. SIGN 59 FT FROM DER, 367 FT RIGHT OF CENTERLINE, 10 FT AGL/126 FT MSL. TREES BEGINNING 1776 FT FROM DER, 384 FT RIGHT OF CENTERLINE, UP TO 183 FT MSL. TREES BEGINNING 1879 FT FROM DER, 188 FT RIGHT OF CENTERLINE, UP TO 187 FT MSL. TREE 2010 FT FROM DER, 814 FT RIGHT OF CENTERLINE, 189 FT MSL. TREE 2011 FT FROM DER, 215 FT LEFT OF CENTERLINE, 172 FT MSL. TREES BEGINNING 2014 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 179 FT MSL. TREES BEGINNING 2019 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 200 FT MSL. TREE 2073 FT FROM DER, 806 FT RIGHT OF CENTERLINE, 201 FT MSL. TREES BEGINNING 2075 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 205 FT MSL. TREES BEGINNING 2337 FT FROM DER, 102 FT RIGHT OF CENTERLINE, UP TO 206 FT MSL. TREE 2472 FT FROM DER, 941 FT LEFT OF CENTERLINE, 187 FT MSL. TREE 2506 FT FROM DER, 1002 FT LEFT OF CENTERLINE, 193 FT MSL. TREES BEGINNING 2524 FT FROM DER, 774 FT LEFT OF CENTERLINE, UP TO 195 FT MSL. TREE 2659 FT FROM DER, 784 FT LEFT OF CENTERLINE, 196 FT MSL. TREES BEGINNING 2667 FT FROM DER, 242 FT LEFT OF CENTERLINE, UP TO 198 FT MSL. TREE 2819 FT FROM DER, 257 FT LEFT OF CENTERLINE, 212 FT MSL. WATER TOWER 2829 FT FROM DER, 1069 FT LEFT OF CENTERLINE, 97 FT AGL/222 FT MSL. TOWER, TREE BEGINNING 2830 FT FROM DER, 177 FT LEFT OF CENTERLINE, UP TO 106 FT AGL/227 FT MSL. ANTENNA, TOWER, TREE BEGINNING 2853 FT FROM DER, 83 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/233 FT MSL. TREES BEGINNING 3021 FT FROM DER, 487 FT RIGHT OF CENTERLINE, UP TO 209 FT MSL. TREE 3112 FT FROM DER, 486 FT RIGHT OF CENTERLINE, 213 FT MSL. TREE 3133 FT FROM DER, 590 FT RIGHT OF CENTERLINE, 214 FT MSL. TREES BEGINNING 3163 FT FROM DER, 458 FT RIGHT OF CENTERLINE, UP TO 217 FT MSL. TREES BEGINNING 4055 FT FROM DER, 607 FT LEFT OF CENTERLINE, UP TO 247 FT MSL. TREE 4482 FT FROM DER, 1517 FT RIGHT OF CENTERLINE, 238 FT MSL. TREE 5180 FT FROM DER, 398 FT RIGHT OF CENTERLINE, 254 FT MSL. TREE 5411 FT FROM DER, 658 FT RIGHT OF CENTERLINE, 261 FT MSL. TREES BEGINNING 5503 FT FROM DER, 591 FT RIGHT OF CENTERLINE, UP TO 270 FT MSL. TREES BEGINNING 5531 FT FROM DER, 590 FT RIGHT OF CENTERLINE, UP TO 273 FT MSL. TREE 1.2 NM FROM DER, 2433 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. TREE, 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.

QUALITY
3
CHECKED

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

NOTE: RWY 33, VEGETATION 88 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 155 FT MSL. TREE 991 FT FROM DER, 580 FT RIGHT OF CENTERLINE, 177 FT MSL. TREE 1035 FT FROM DER, 765 FT RIGHT OF CENTERLINE, 229 FT MSL.

CONTROLLING OBSTACLES:

RWY 7L: 257 FT MSL POLE 611023.01N/1495506.97W (CLIMB GRADIENT), 259 FT MSL POLE 611018.87N/1495456.53W (CEILING/VISIBILITY), 1174 FT MSL AAO 610630.00N/1494448.00W (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: 4252 FT MSL AAO 605460.00N/1494712.00W, 5272 FT MSL AAO 610839.00N/1493336.00W, 6926 FT MSL AAO 610830.00N/1491836.00W, 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:

Digitally signed by

DAVID DANNER

Jul 16, 2019

OFFICE SYMBOL:

DATE:

PENDING

DEVELOPED BY:

Digitally signed by

DAVID DANNER

Jul 16, 2019

OFFICE SYMBOL:

AJV-A421

DATE:

06/25/2019

APPROVED BY:

Digitally signed by

DAVID DANNER

Jul 16, 2019

OFFICE SYMBOL:

AJV-A420

DATE:

MARLON ROBINSON

REQUIRED EFFECTIVE DATE:

10/10/2019

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA



OTHER:

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

CHANGES - REASONS:

1. UPDATED DEPARTURE PROCEDURES DUE TO RWY 15 THRESHOLD BEING RELOCATED 101 FT SOUTH AND RWY 33 DISPLACED THRESHOLD RELOCATION.
2. UPDATED TAKEOFF MINIMUMS - INCORPORATED NOTAM.
3. UPDATED TAKEOFF OBSTACLE NOTES - NEW PROCEDURE BUILD.
4. UPDATED CONTROLLING OBSTACLES - NEW TARGETS EVALUATION.

QUALITY
3
CHECKED