

**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.
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CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
CRESCENT CITY, CA	JACK MC NAMARA FIELD	3 JANUARY 2019	2A

TAKEOFF MINIMUMS:

RWY 30: STANDARD.

RWY 12: 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 254 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2200 FEET PRIOR TO DER.

RWY 18: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 308 FT PER NM TO 400.

RWY 36: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 443 FT PER NM TO 300.

TEXTUAL DEPARTURE PROCEDURES:

RWY 12, 18: CLIMBING RIGHT TURN, THENCE...

RWY 30, 36: CLIMBING LEFT TURN, THENCE...

...CLIMB DIRECT CEC VORTAC. AIRCRAFT DEPARTING CEC R-144 CW R-350 CLIMB ON COURSE. ALL OTHERS CONTINUE CLIMB IN CEC VORTAC HOLDING PATTERN (HOLD S, LT, 345.75 INBOUND) TO CROSS CEC VORTAC AT OR ABOVE:

R-351 CW R-048, 2900;

R-049 CW R-113, 4300;

R-114 CW R-143, 2900.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12: TERRAIN 7 FT FROM DER, 6 FT RIGHT OF CENTERLINE, 54 FT MSL.

TERRAIN 9 FT FROM DER, 15 FT LEFT OF CENTERLINE, 54 FT MSL.

NAVAID AND TREE BEGINNING 12 FT FROM DER, 117 FT LEFT OF CENTERLINE, UP TO 4 FT AGL/57 FT MSL.

TREE 798 FT FROM DER, 378 FT LEFT OF CENTERLINE, 149 FT MSL.

TREES BEGINNING 828 FT FROM DER, 437 FT LEFT OF CENTERLINE, UP TO 151 FT MSL.

TREE 1078 FT FROM DER, 390 FT RIGHT OF CENTERLINE, 101 FT MSL.

TREES BEGINNING 1162 FT FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 163 FT MSL.

TREES BEGINNING 1185 FT FROM DER, 156 FT RIGHT OF CENTERLINE, UP TO 123 FT MSL.

TREE AND POLE BEGINNING 1332 FT FROM DER, 215 FT RIGHT OF CENTERLINE, UP TO 149 FT MSL.

TREES BEGINNING 1458 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 169 FT MSL.

TREE AND POLE BEGINNING 1526 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 150 FT MSL.

TREES BEGINNING 1914 FT FROM DER, 83 FT RIGHT OF CENTERLINE, UP TO 152 FT MSL.

TREES BEGINNING 2058 FT FROM DER, 155 FT RIGHT OF CENTERLINE, UP TO 156 FT MSL.

TREES BEGINNING 2353 FT FROM DER, 182 FT RIGHT OF CENTERLINE, UP TO 159 FT MSL.

TREES BEGINNING 2549 FT FROM DER, 604 FT RIGHT OF CENTERLINE, UP TO 173 FT MSL.

TREES BEGINNING 2656 FT FROM DER, 108 FT RIGHT OF CENTERLINE, UP TO 175 FT MSL.

TREES BEGINNING 2986 FT FROM DER, 73 FT RIGHT OF CENTERLINE, UP TO 189 FT MSL.

TREE 5151 FT FROM DER, 211 FT RIGHT OF CENTERLINE, 216 FT MSL.

TREE 5184 FT FROM DER, 47 FT LEFT OF CENTERLINE, 195 FT MSL.

ANTENNA 1.8 NM FROM DER, 2439 FT LEFT OF CENTERLINE, 320 FT AGL/333 FT MSL.

NOTE: RWY 18: TERRAIN 27 FT FROM DER, 12 FT LEFT OF CENTERLINE, 52 FT MSL.

STRUCTURE 35 FT FROM DER, 113 FT RIGHT OF CENTERLINE, 7 FT AGL/57 FT MSL.

STRUCTURE 35 FT FROM DER, 116 FT LEFT OF CENTERLINE, 4 FT AGL/54 FT MSL.

TREES BEGINNING 183 FT FROM DER, 384 FT RIGHT OF CENTERLINE, UP TO 59 FT MSL.

VEHICLES ON ROAD 319 FT FROM DER, 570 FT LEFT OF CENTERLINE, 60 FT MSL.

TREE 412 FT FROM DER, 166 FT LEFT OF CENTERLINE, 64 FT MSL.

TREES BEGINNING 445 FT FROM DER, 188 FT LEFT OF CENTERLINE, UP TO 66 FT MSL.

TREES BEGINNING 543 FT FROM DER, 411 FT LEFT OF CENTERLINE, UP TO 68 FT MSL.

TERRAIN 4897 FT FROM DER, 1653 FT RIGHT OF CENTERLINE, 202 FT MSL.

TERRAIN 4973 FT FROM DER, 1722 FT RIGHT OF CENTERLINE, 242 FT MSL.



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NOTE: RWY 30: NAVAID AND TERRAIN BEGINNING 4 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 1 FT AGL/58 FT MSL.
TREES BEGINNING 29 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 65 FT MSL.
TREE 153 FT FROM DER, 332 FT LEFT OF CENTERLINE, 65 FT MSL.
TREE 164 FT FROM DER, 439 FT LEFT OF CENTERLINE, 73 FT MSL.

NOTE: RWY 36: TERRAIN 6 FT FROM DER, 317 FT LEFT OF CENTERLINE, 77 FT MSL.
TREE 104 FT FROM DER, 467 FT RIGHT OF CENTERLINE, 77 FT MSL.
TREE 143 FT FROM DER, 201 FT LEFT OF CENTERLINE, 84 FT MSL.
TREE AND VEGETATION BEGINNING 185 FT FROM DER, 92 FT RIGHT OF CENTERLINE, UP TO 86 FT MSL.
TREE AND VEGETATION BEGINNING 405 FT FROM DER, 197 FT RIGHT OF CENTERLINE, UP TO 97 FT MSL.
TREE 663 FT FROM DER, 30 FT LEFT OF CENTERLINE, 86 FT MSL.
TREE 762 FT FROM DER, 97 FT LEFT OF CENTERLINE, 94 FT MSL.
TREE 791 FT FROM DER, 155 FT LEFT OF CENTERLINE, 96 FT MSL.
TREE 843 FT FROM DER, 227 FT LEFT OF CENTERLINE, 105 FT MSL.
TREES BEGINNING 981 FT FROM DER, 100 FT LEFT OF CENTERLINE, UP TO 117 FT MSL.
TREES BEGINNING 1081 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 135 FT MSL.
TREE 1135 FT FROM DER, 226 FT RIGHT OF CENTERLINE, 104 FT MSL.
TREE 1273 FT FROM DER, 60 FT RIGHT OF CENTERLINE, 111 FT MSL.
TREES BEGINNING 1352 FT FROM DER, 100 FT RIGHT OF CENTERLINE, UP TO 112 FT MSL.
TREES BEGINNING 1550 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 129 FT MSL.
TREE 1629 FT FROM DER, 425 FT LEFT OF CENTERLINE, 149 FT MSL.
TREES BEGINNING 1654 FT FROM DER, 473 FT LEFT OF CENTERLINE, UP TO 151 FT MSL.
TREES BEGINNING 1824 FT FROM DER, 192 FT LEFT OF CENTERLINE, UP TO 159 FT MSL.
TREES BEGINNING 1961 FT FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 164 FT MSL.
TREES BEGINNING 2056 FT FROM DER, 978 FT RIGHT OF CENTERLINE, UP TO 150 FT MSL.
TREE 2322 FT FROM DER, 757 FT RIGHT OF CENTERLINE, 155 FT MSL.
TREES BEGINNING 2322 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 176 FT MSL.
TREE 2590 FT FROM DER, 908 FT RIGHT OF CENTERLINE, 179 FT MSL.
TREE 2591 FT FROM DER, 1044 FT RIGHT OF CENTERLINE, 189 FT MSL.
TREES BEGINNING 2644 FT FROM DER, 367 FT RIGHT OF CENTERLINE, UP TO 192 FT MSL.
TREES BEGINNING 2696 FT FROM DER, 70 FT RIGHT OF CENTERLINE, UP TO 195 FT MSL.
TREES BEGINNING 2928 FT FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 174 FT MSL.
TREES BEGINNING 2933 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 196 FT MSL.
TREES BEGINNING 3318 FT FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 181 FT MSL.
TREES BEGINNING 3587 FT FROM DER, 132 FT LEFT OF CENTERLINE, UP TO 182 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 216 FEET MSL TREE 414555.79N/1241253.78W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 333 FEET MSL ANTENNA 414534.06N/1241131.80W (CEILING/VISIBILITY).
RWY 18: 242 FEET MSL TERRAIN 414540.14N/1241502.19W.
RWY 36: 215 FEET MSL TREE 414737.50N/1241352.96W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 7509 FEET MSL AAO 414948.63N/1233641.20W.

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i> DAVID DANNER THOMAS E MOLOKIE Oct 18, 2018	<u>OFFICE SYMBOL:</u> FICO	<u>DATE:</u> 10/15/18
<u>DEVELOPED BY:</u>	<i>Digitally signed by</i> RUSSELL ROSLEWSKI RUSS ROSLEWSKI Aug 21, 2018	<u>OFFICE SYMBOL:</u> AJV-5421	<u>DATE:</u> 08/21/2018

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APPROVED BY: JULIE MORGAN	<i>Digitally signed by</i> DAVID DANNER Oct 18, 2018	OFFICE SYMBOL: AJV-5420	DATE:
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REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:
ZSE, AIRPORT MANAGER

CHANGES - REASONS:

1. TAKEOFF MINIMUMS, RWY 12 CHANGED FROM STANDARD TO INCLUDE CEILING/VIS, CLIMB GRADIENT AND REDUCED TAKEOFF LENGTH OPTIONS - NEW CONTROLLING OBSTACLE.
2. TAKEOFF MINIMUMS, RWY 18, CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE CHANGED FROM 294/300 TO 308/400 - NEW CONTROLLING OBSTACLE.
3. UPDATED TAKEOFF OBSTACLE NOTES - NEW OBSTACLE SURVEY.

