

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
SANTA ROSA, CA	CHARLES M. SCHULZ – SONOMA COUNTY	13 NOVEMBER 2014	7

TAKEOFF MINIMUMS:

RWY 14, 20: STANDARD.
RWY 2: STANDARD WITH MINIMUM CLIMB OF 319 FT PER NM TO 2400 OR 1200-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.
RWY 32: STANDARD WITH MINIMUM CLIMB OF 391 FT PER NM TO 2500 OR 1200-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2, 32: CLIMBING LEFT TURN HEADING 164.00, THENCE...
RWY 14: CLIMBING RIGHT TURN HEADING 250.00, THENCE...
RWY 20: CLIMB ON HEADING 190.00, THENCE...

...INTERCEPT AND CLIMB ON STS R-202.49 TO CROSS FREES INT AT OR ABOVE MEA FOR ROUTE OF FLIGHT OR CONTINUE CLIMB IN FREES HOLDING PATTERN (HOLD SE, RIGHT TURNS, PYE VORTAC 334.73° INBOUND) TO MEA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 2, 32: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS STS VOR/DME SOUTHWEST BOUND AT OR ABOVE 1200. THENCE...

...INTERCEPT AND CLIMB ON STS R-202.49 TO CROSS FREES INT AT OR ABOVE MEA FOR ROUTE OF FLIGHT OR CONTINUE CLIMB IN FREES HOLDING PATTERN (HOLD SE, RIGHT TURNS, PYE VORTAC 334.73° INBOUND) TO MEA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREES BEGINNING 492 FT FROM DER, 36 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/156 FT MSL. TREES BEGINNING 515 FT FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/156 FT MSL. TREES BEGINNING 1000 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/178 FT MSL. TREES BEGINNING 1109 FT FROM DER, 135 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/184 FT MSL. TREES BEGINNING 2104 FT FROM DER, 342 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/196 FT MSL. TREE 2119 FT FROM DER, 619 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/173 FT MSL.

NOTE: RWY 14, TREE 1 FT FROM DER, 498 FT RIGHT OF CENTERLINE, 20 FT AGL/136 FT MSL. LIGHT STRUCTURE 6 FT FROM DER, 40 FT LEFT OF CENTERLINE, 1 FT AGL/121 FT MSL. TREES BEGINNING 409 FT FROM DER, 602 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/147 FT MSL. TREES BEGINNING 1201 FT FROM DER, 275 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/167 FT MSL. TREE 2194 FT FROM DER, 1034 FT RIGHT OF CENTERLINE, 60 FT AGL/180 FT MSL.

NOTE: RWY 20, TREE 108 FT FROM DER, 462 FT RIGHT OF CENTERLINE, 40 FT AGL/162 FT MSL. TREES BEGINNING 1596 FT FROM DER, 403 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/187 FT MSL. TREES BEGINNING 1498 FT FROM DER, 566 FT RIGHT OF CENTERLINE, UP TO 144 FT AGL/274 FT MSL. TREES BEGINNING 2841 FT FROM DER, 109 FT LEFT OF CENTERLINE, UP TO 123 FT AGL/228 FT MSL.

NOTE: RWY 32, TREES BEGINNING 67 FT FROM DER, 891 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/158 FT MSL. TREES BEGINNING 89 FT FROM DER, ON CENTERLINE, UP TO 55 FT AGL/153 FT MSL. TREE 1492 FT FROM DER, 319 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/158 FT MSL. TREE 3187 FT FROM DER, 140 FT LEFT OF CENTERLINE, 167 FT AGL/257 FT MSL.

CONTROLLING OBSTACLES:

VCOA: 890 FT MSL TREE 383127.72N/1224459.75W.

RWY 2, 32: 1640 FT MSL AAO 383129.54N/1225521.57W (CLIMB GRADIENT), 1852 FT MSL AAO 383223.02N/1225740.60W (CLIMB TO ALTITUDE).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 2, 14, 20, 32: 4544 FT MSL AAO 384009.00N/1223800.00W.



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REMARKS:

PROCEDURE WAS EVALUATED FOR RUNWAY 14 AND 20 THRESHOLD CHANGES. PER ATC AND FPT CHECKLIST THE PROCEDURE WAS NOT TO BE CHANGED. EVALUATION WAS COMPLETED AND ALTHOUGH CG, CTA'S AND DP ROUTE DESCRIPTION COULD BE CHANGED THE PROCEDURE WAS LEFT AS IS TO ACCOMMODATE THE REQUEST. ALL ALTITUDES AND ROUTES MEET CRITERIA.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

Digitally signed by
ROBERT LEWIS **JILL M OLSON** FIOG

09/11/2014

ROUTINE

DEVELOPED BY:

Digitally signed by
Sep 16, 2014

SHANE K. DOWNUM **JILL M OLSON** AJV-354
Sep 16, 2014

06/18/2014

APPROVED BY:

Digitally signed by

JILL M. OLSON **JILL M OLSON** AJV-354
Sep 16, 2014

COORDINATED WITH:

ZOA, AMGR, STS ATCT, NBAA, AOPA, ALPA, ATA, APA

CHANGES:

1. UPDATED TEXTUAL DEPARTURE AND VCOA FROM "INTERCEPT AND CLIMB VIA STS R-202.49 TO FREES INT, CROSS FREES AT" TO "INTERCEPT AND CLIMB ON STS R-202.49 TO CROSS FREES INT AT"
2. REFORMATTED VCOA INFORMATION.
3. UPDATED ALL RUNWAYS TAKEOFF OBSTACLE NOTES.

REASONS:

- 1-2. TO COMPLY WITH CURRENT DOCUMENTATION CRITERIA.
3. RUNWAY 2, 32 HAVE NEW RUNWAY DIMENSIONS, RWY 14, 20 UPDATED TREE AGL HEIGHTS TO REFLECT APPROXIMATION OF REPORTED MSL ALT MINUS ESTIMATED GROUND ELEVATION UNLESS A HIGHER AGL WAS SPECIFICALLY LISTED.

