

**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>
OROVILLE, CA	OROVILLE MUNI	06/22/2017	4

TAKEOFF MINIMUMS:

RWY 13, 20: STANDARD.

RWY 02: STANDARD WITH MINIMUM CLIMB 280 FT PER NM TO 1500 OR 1000-2 1/2 FOR VCOA.

RWY 31: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB 245 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 02, 31: CLIMBING LEFT TURN TO 5000 ON HEADING 200 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

RWY 13, 20: CLIMBING RIGHT TURN TO 5000 ON HEADING 210 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 02: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS OROVILLE MUNICIPAL AIRPORT SOUTH-WESTBOUND AT OR ABOVE 1000, THEN DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, GRD 170 FT FROM DER, 475 FT RIGHT OF CENTERLINE, 189 FT MSL. GRD 191 FT FROM DER, 489 FT RIGHT OF CENTERLINE, 190 FT MSL. TREE 511 FT FROM DER, 600 FT LEFT OF CENTERLINE, 231 FT MSL. TREE 513 FT FROM DER, 603 FT LEFT OF CENTERLINE, 236 FT MSL. NAVAID 1143 FT FROM DER, 348 FT RIGHT OF CENTERLINE, 215 FT MSL. POLE 1364 FT FROM DER, 740 FT RIGHT OF CENTERLINE, 255 FT MSL. POLES BEGINNING 1365 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 256 FT MSL.

NOTE: RWY 13, POLES BEGINNING 128 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/203 FT MSL. VERTICAL STRUCTURE 177 FT FROM DER, 493 FT LEFT OF CENTERLINE, 184 FT MSL. VEHICLES ON ROAD 210 FT FROM DER, 515 FT LEFT OF CENTERLINE, 189 FT MSL. TREE 312 FT FROM DER, 554 FT LEFT OF CENTERLINE, 205 FT MSL.

NOTE: RWY 20, VEHICLES ON ROAD 819 FT FROM DER, 376 FT LEFT OF CENTERLINE, 203 FT MSL. POLES BEGINNING 902 FT FROM DER, 655 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/217 FT MSL.

NOTE: RWY 31, SIGN 32 FT FROM DER, 325 FT LEFT OF CENTERLINE, 195 FT MSL. GRD BEGINNING 109 FT FROM DER, 410 FT RIGHT OF CENTERLINE, UP TO 200 FT MSL. TREES BEGINNING 641 FT FROM DER, 621 FT LEFT OF CENTERLINE, UP TO 244 FT MSL. TREE 1380 FT FROM DER, 466 FT LEFT OF CENTERLINE, 264 FT MSL. T-L TOWER 1.3 NM FROM DER, 1826 FT RIGHT OF CENTERLINE, 144 FT AGL/444 FT MSL.

CONTROLLING OBSTACLES:

RWY 02: 960 FT MSL AAO 393255.40N/1213440.18W

RWY 31: 444 FT MSL T-L TOWER 393059.05N/1213751.22W.

VCOA: 600 FT MSL TREE 393150.00N/1213659.00W (VISUAL CLIMB AREA).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: 7379 FT MSL AAO 395618.00N/1211406.00W.

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*

JOEL F. HAWKLEY

DION E LANCIA

May 01, 2017

OFFICE SYMBOL:

FICO

DATE:

04/19/2017

DEVELOPED BY:

DANIEL OLSON (WILLIAM HANBY)

Digitally signed by

DION E LANCIA

May 01, 2017

OFFICE SYMBOL:

AJV-5423

DATE:

01/12/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by

DION E LANCIA

May 01, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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



OTHER:

CHANGES - REASONS:

CHANGES:

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OROVILLE, CA	OROVILLE MUNI	06/22/2017	4

1. TAKEOFF MINIMUMS: RWY 02 CHANGED FROM "STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1700, OR 1000-2 1/2" TO "STANDARD WITH MINIMUM CLIMB 280 FT PER NM TO 1500 OR 1000-2 1/2 FOR VCOA"; RWY 31 CHANGED FROM "400-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 600" TO "300 1 5/8 OR STANDARD WITH MINIMUM CLIMB 245 FT PER NM TO 600".
2. TEXTUAL DEPARTURES: RWY 02, 31 CHANGED FROM "CLIMBING LEFT TURN HEADING 170, THENCE ... ALL AIRCRAFT CLIMB ON MXW R-052 TO TALUM INT/MXW 16.92 DME" TO "CLIMBING LEFT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".
3. TEXTUAL DEPARTURES: RWY 13, 20 CHANGED FROM "CLIMBING RIGHT TURN HEADING 290 THENCE ... ALL AIRCRAFT CLIMB ON MXW R-052 TO TALUM INT/MXW 16.92 DME" TO "CLIMBING RIGHT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE."
4. VISUAL CLIMB OVER AIRPORT: CHANGED ALL REFERENCES FOR FIX TALUM TO ILA VORTAC.
5. CONTROLLING OBSTACLES: UPDATED ALL OBSTACLES.

REASONS:

- 1-4. MAXWELL VORTAC (MXW) DECOMMISSIONING.
5. UPDATED OBSTACLE DATA BASE.

04/27/2017: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/12/2017.

CHANGE:

1. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "**RWY 02, 31:** CLIMBING LEFT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE" TO "**RWY 02, 31:** CLIMBING LEFT TURN TO 5000 ON HEADING 200 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".
2. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "**RWY 13, 20:** CLIMBING RIGHT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE" TO "**RWY 13, 20:** CLIMBING RIGHT TURN TO 5000 ON HEADING 210 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".

REASON:

- 1-2. ADDED POSITIVE COURSE GUIDANCE PER FLIGHT CHECK REQUEST AND FLIGHT INSPECTION RESULTS DATED 04/19/2017.

