

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.
UKIAH, CA	UKIAH MUNI	13 NOVEMBER 2014	2

**TAKEOFF MINIMUMS:**

RWY 15: STANDARD WITH MINIMUM CLIMB OF 678 FT PER NM TO 3100 OR 3100-2 ½ FOR CLIMB IN VISUAL CONDITIONS.  
RWY 33: STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 5000 OR 3100-2 ½ FOR CLIMB IN VISUAL CONDITIONS

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 15: CLIMB HEADING 151.33 TO 3100 BEFORE PROCEEDING ON COURSE.  
RWY 33: CLIMB HEADING 345.33 TO 5000, THEN LEFT TURN DIRECT TO CROSS ENI VORTAC AT OR ABOVE 6000.

**VISUAL CLIMB OVER AIRPORT:**

RWY 15: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS UKIAH MUNI AIRPORT AT OR ABOVE 3700 BEFORE PROCEEDING ON COURSE.  
RWY 33: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS UKIAH MUNI AIRPORT AT OR ABOVE 3700 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 15,** BUILDINGS AND SIGNS BEGINNING 34 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/629 FT MSL. ROAD WITH VEHICLES BEGINNING 70 FT FROM DER, 245 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/624 FT MSL. ROAD WITH VEHICLES BEGINNING 111 FT FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/629 FT MSL. POLES AND TREES BEGINNING 275 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/712 FT MSL. TREES AND POLES BEGINNING 527 FT FROM DER, 452 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/698 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 2023 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1073 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 1715 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1160 FT MSL. TREES BEGINNING 2.4 NM FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1644 FT MSL. TREES BEGINNING 3.5 NM FROM DER, 2704 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2331 FT MSL.

**NOTE: RWY 33,** POLES AND TREES BEGINNING 27 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/679 FT MSL. ROAD WITH VEHICLES BEGINNING 124 FT FROM DER, 147 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/629 FT MSL. TREES AND POLES BEGINNING 461 FT FROM DER, 555 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/679 FT MSL. ROAD WITH VEHICLES BEGINNING 587 FT FROM DER, 313 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/637 FT MSL. TREES, POLES AND SIGNS BEGINNING 888 FT FROM DER, 506 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/709 FT MSL. BLDG 1003 FT FROM DER, 553 FT RIGHT OF CENTERLINE, 42 FT AGL/649 FT MSL. TOWER 5774 FT FROM DER, 1155 FT LEFT OF CENTERLINE, 124 FT AGL/770 FT MSL. TREES BEGINNING 5909 FT FROM DER, 1590 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/769 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 15: 2431 FT MSL AAO 390339.00N/1231136.00W.  
RWY 33: 3390 FT MSL TOWER 391922.48N-1231623.70W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 15: 4131 FT MSL AAO 390948.00N/1230306.00W.  
RWY 33 - 3390 FT MSL TOWER 391922.48N-1231623.70W, 4131 FT MSL AAO 390948.00N/1230306.00W.



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**REMARKS:**

**FLIGHT INSPECTED BY:**

Roy Turner

7-2-14

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

SHANE DOWNUM

AJV-354

12/10/2013

**APPROVED BY:**

LARRY STROUT

AJV-354

7.8.14

NOV 15 2014

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ZOA, UKI AMGR

**CHANGES:**

1. ADDED TAKEOFF MINIMUMS, TEXTUAL DEPARTURE AND VCOA PROCEDURES FOR RWY 15.
2. UPDATED TAKEOFF MINIMUMS TEXTUAL DEPARTURE FOR RWY 33 FROM HEADING FROM 350 TO 4000; TO 345.33 TO 5000 AND ADDED VCOA OPTION.
3. ADDED RWY 15 TAKEOFF OBSTACLE NOTES, UPDATED RWY 33 OBSTACLE NOTES.
4. ADDED RWY 15 CONTROLLING OBSTACLE AND UPDATED RWY 33 CONTROLLING OBSTACLES.

**REASONS:**

1. PROVIDING A DEPARTURE METHOD FOR RWY 15 IN CONJUNCTION WITH NEW RNAV SIDS.
2. UPDATED HEADING TO LESS THAN 15 DEG OFF CENTER TO MAINTAIN STRAIGHT OUT CRITERIA AND ADDED VCOA OPTION FOR AIRCRAFT UNABLE TO COMPLY WITH THE CLIMB GRADIENT.
3. ADDED DEPARTURE FROM RWY 15 AND DOCUMENTED ICA LOW CLOSE IN OBSTACLES FOR EACH RUNWAY.
4. UPDATED DEPARTURE OBSTACLE EVALUATION.

03/19/14: This is an UPDATED copy of the form developed on 12/10/13.

1. USED UPDATED 8260-15A FORM IAW WITH 8260.46D CHANGE 3.
2. MOVED VCOA DATA FROM TEXTUAL DEPARTURE PROCEDURES TO VISUAL CLIMB OVER AIRPORT.
3. UPDATED RWY 15: TAKEOFF MINIMUMS/TEXTUAL DEPARTURE PROCEDURES CLIMB TO ALTITUDE CHANGED FROM 3700 TO 3100 TO MATCH THE RWY 15 SID RYPAX RNAV ONE DEPARTURE PREVIOUSLY FLIGHT CHECKED ON 3/17/14, REQUIRES TABLE TOP FLIGHT CHECK.

QUALITY  
2  
CHECKED