

**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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
LOVELOCK, NV	DERBY FIELD	3 JANUARY 2019	1

TAKEOFF MINIMUMS:

RWY 2, STANDARD WITH MINIMUM CLIMB OF 415 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 8, 20, STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 26, STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2: CLIMB TO 6500 THEN CLIMBING LEFT TURN DIRECT LLC VORTAC, THENCE...
RWY 8, 20, 26: CLIMB TO 5700 THEN CLIMBING LEFT TURN DIRECT LLC VORTAC, THENCE...

...CLIMB IN LLC VORTAC HOLDING PATTERN (N, LT, 169 INBOUND) TO DEPART LLC VORTAC AT OR ABOVE 8800, CONTINUE CLIMB ON COURSE TO MEA OR ASSIGNED ALTITUDE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS DERBY FIELD AIRPORT AT OR ABOVE 7000 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2: VEGETATION 13 FT FROM DER, 141 FT RIGHT OF CENTERLINE, 3908 FT MSL. SIGN 17 FT FROM DER, 199 FT LEFT OF CENTERLINE, 2 FT AGL/3909 FT MSL. VEGETATION 54 FT FROM DER, 155 FT RIGHT OF CENTERLINE, 3909 FT MSL. TREE 80 FT FROM DER, 347 FT RIGHT OF CENTERLINE, 3912 FT MSL.

NOTE: RWY 8: VEGETATION BEGINNING 56 FT FROM DER, 172 FT LEFT OF CENTERLINE, UP TO 3910 FT MSL. VEGETATION 147 FT FROM DER, 376 FT LEFT OF CENTERLINE, 3911 FT MSL.

NOTE: RWY 20: VEGETATION BEGINNING 47 FT FROM DER, 112 FT LEFT OF CENTERLINE, UP TO 3910 FT MSL.

NOTE: RWY 26: TERRAIN 15 FT FROM DER, 170 FT RIGHT OF CENTERLINE, 3905 FT MSL. VEGETATION 67 FT FROM DER, 239 FT LEFT OF CENTERLINE, 3906 FT MSL. TREE 258 FT FROM DER, 531 FT LEFT OF CENTERLINE, 3917 FT MSL.

CONTROLLING OBSTACLES:

RWY 2: 4964 FT MSL AAO 400742.00N/1183448.00W.
RWY 8: 5960 FT MSL AAO 400328.82N/1182230.55W.
RWY 20: 5260 FT MSL AAO 395901.89N/1182934.31W.
RWY 26: 6434 FT MSL AAO 400210.80N/1184532.81W.

ALL RWYS (VCOA): 7212 FT MSL AAO 400630.00N/1184430.00W (CLIMB-TO ALTITUDE), 4878 FT MSL AAO 400836.00N/1183524.00W (VCA).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 2, 20, 26: 7212 FT MSL AAO 400630.00N/1184430.00W, RWY 8: 6273 FT MSL AAO 400312.00N/1182227.00W.

REMARKS:

THE CLIMB GRADIENT TERMINATION ALTITUDE WAS RAISED TO MEET THE NECESSARY OCS ALTITUDE AT LLC VORTAC TO ELIMINATE THE PENETRATING CLIMB-IN-HOLD PENETRATIONS.

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE
Digitally signed by
DONALD H LANIER

OFFICE SYMBOL:

FICO

DATE:

9/24/18

DEVELOPED BY:

Sep 27, 2018
Digitally signed by
ADOLFO URRITIA (CHRISTINE BAYSE) **DONALD H LANIER**
Sep 27, 2018

OFFICE SYMBOL:

AJV-5432

DATE:

08/16/2018

APPROVED BY:

PATRICK MULQUEEN
Digitally signed by
DONALD H LANIER
Sep 27, 2018

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

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

QUALITY
3
CHECKED

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OTHER:
RNO FSS, ZOA, ARPT MGR.

CHANGES - REASONS:

1. UPDATED TAKEOFF MINIMUMS RWY 2 FROM "2300-2 OR STANDARD WITH A MINIMUM CLIMB OF 300 FT PER NM TO 6200" TO "STANDARD WITH MINIMUM CLIMB OF 415 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS".- NEW CONTROLLING OBSTACLES.
2. UPDATED TAKEOFF MINIMUMS RWY 8 FROM "1100-1 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 6200" TO "STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS".- NEW CONTROLLING OBSTACLES.
3. UPDATED TAKEOFF MINIMUMS RWY 20 FROM "2300-2 OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 6200" TO "STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS".- NEW CONTROLLING OBSTACLES.
4. UPDATED TAKEOFF MINIMUMS RWY 26 FROM "2300-2 OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 6200" TO "STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 8200 OR 3200-3 FOR CLIMB IN VISUAL CONDITIONS".- NEW CONTROLLING OBSTACLES.
5. UPDATED DEPARTURE PROCEDURE INSTRUCTIONS FROM "RWY 2, TURN RIGHT. RWY 8, 20, 26 TURN LEFT, CLIMB DIRECT VIA LLC R-333 TO ROBUD INT; 360 CW 089 CLIMB IN LLC VORTAC HOLDING PATTERN (HOLD NW, LT, 153 INBOUND) TO DEPART LLC VORTAC AT OR ABOVE 8600; 90 CW 219 CLIMB ON COURSE; 220 CW 329 CLIMB IN LLC VORTAC HOLDING PATTERN TO DEPART LLC VORTAC AT OR ABOVE 8600. CONTINUE CLIMB ON COURSE TO MEA OR ASSIGNED ALTITUDE" TO "RWY 2 CLIMB TO 6500 THEN CLIMBING LEFT TURN DIRECT LLC VORTAC, THENCE... RWY 8, 20, 26: CLIMB TO 5700 THEN CLIMBING LEFT TURN DIRECT LLC VORTAC THENCE... CLIMB IN LLC VORTAC HOLDING PATTERN (N, LT, 169 INBOUND) TO DEPART LLC VORTAC AT OR ABOVE 8800. CONTINUE CLIMB ON COURSE TO MEA OR ASSIGNED ALTITUDE". - PER FPT REQUEST FOR SIMPLIFICATION.
6. ADDED VCOA. - PER 8260.3D 14-4 AND 8260.46F 2-1-1 AND FPT REQUEST.
7. UPDATED TAKEOFF OBSTACLE NOTES. - NEW OBSTACLES.
8. UPDATED CONTROLLING OBSTACLES ALL RUNWAYS. - NEW OBSTACLES.
9. ADDED REMARK "THE CLIMB GRADIENT TERMINATION ALTITUDE WAS RAISED TO MEET THE NECESSARY OCS ALTITUDE AT LLC VORTAC TO ELIMINATE THE PENETRATING CLIMB-IN-HOLD PENETRATIONS". - TO EXPLAIN THE INCREASE IN THE CLIMB-TO ALTITUDE.

