

**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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
HND	LAS VEGAS	NV	1A	

TAKEOFF MINIMUMS:

RWY 17L, 17R: STANDARD WITH MINIMUM CLIMB OF 491 FT/NM TO 6000, OR 3000-3 FOR VCOA.
RWY 35L, 35R: STANDARD WITH MINIMUM CLIMB OF 312 FT/NM TO 4700, OR 3000-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17L: CLIMBING RIGHT TURN ON LAS R-157 TO LAS VORTAC BEFORE PROCEEDING ON COURSE, DO NOT EXCEED 200 KIAS UNTIL PASSING LAS VORTAC.
RWY 17R: CLIMBING RIGHT TURN ON LAS R-157 TO LAS VORTAC BEFORE PROCEEDING ON COURSE, DO NOT EXCEED 200 KIAS UNTIL PASSING LAS VORTAC.
RWY 35L: CLIMBING RIGHT TURN ON BLD R-257 TO BLD VORTAC BEFORE PROCEEDING ON COURSE, DO NOT EXCEED 200 KIAS UNTIL PASSING BLD VORTAC.
RWY 35R: CLIMBING RIGHT TURN ON BLD R-257 TO BLD VORTAC BEFORE PROCEEDING ON COURSE, DO NOT EXCEED 200 KIAS UNTIL PASSING BLD VORTAC.

VISUAL CLIMB OVER AIRPORT:

ALL RUNWAYS: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HENDERSON EXEC AIRPORT EASTBOUND AT OR ABOVE 5300, THEN PROCEED ON BLD R-249 TO BLD VORTAC BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17L: LIGHT POLE 39 FT FROM DER, 79 FT LEFT OF CENTERLINE, 3 FT AGL/2476 FT MSL.
TREE 86 FT FROM DER, 271 FT LEFT OF CENTERLINE, 5 FT AGL/2479 FT MSL.
TERRAIN, TREE BEGINNING 91 FT FROM DER, 182 FT LEFT OF CENTERLINE, UP TO 2506 FT MSL.
TREE 149 FT FROM DER, 176 FT RIGHT OF CENTERLINE, 6 FT AGL/2480 FT MSL.
TREE, TERRAIN, FENCE BEGINNING 189 FT FROM DER, 358 FT LEFT OF CENTERLINE, UP TO 3 FT AGL/2512 FT MSL.
TREE 201 FT FROM DER, 489 FT LEFT OF CENTERLINE, 4 FT AGL/2514 FT MSL.
TREES, TERRAIN, FENCE BEGINNING 274 FT FROM DER, 142 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/2515 FT MSL.
UTILITY BUILDING, TREE BEGINNING 508 FT FROM DER, 139 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/2502 FT MSL.
TREES, FENCE BEGINNING 846 FT FROM DER, 290 FT LEFT OF CENTERLINE, UP TO 8 FT AGL/2516 FT MSL.
TERRAIN 2427 FT FROM DER, 18 FT LEFT OF CENTERLINE, 2552 FT MSL.
POLE, BUILDING BEGINNING 2675 FT FROM DER, 984 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/2554 FT MSL.
POLES, BUILDING BEGINNING 2844 FT FROM DER, 961 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/2561 FT MSL.
BUILDING, POLES BEGINNING 3044 FT FROM DER, 1167 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/2564 FT MSL.
BUILDINGS, POLES BEGINNING 3272 FT FROM DER, 1029 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2566 FT MSL.
POLES, BUILDING BEGINNING 3572 FT FROM DER, 1170 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/2571 FT MSL.
POLES BEGINNING 3670 FT FROM DER, 1028 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/2574 FT MSL.
BUILDINGS BEGINNING 3758 FT FROM DER, 1188 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2576 FT MSL.
BUILDING 3889 FT FROM DER, 1381 FT LEFT OF CENTERLINE, 30 FT AGL/2577 FT MSL.
BUILDINGS BEGINNING 3923 FT FROM DER, 1195 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/2578 FT MSL.
POLES BEGINNING 4032 FT FROM DER, 1086 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/2579 FT MSL.
POLE 4256 FT FROM DER, 1397 FT RIGHT OF CENTERLINE, 37 FT AGL/2587 FT MSL.
POLE 4262 FT FROM DER, 1053 FT RIGHT OF CENTERLINE, 2595 FT MSL.
POLES, SIGN BEGINNING 4263 FT FROM DER, 298 FT RIGHT OF CENTERLINE, UP TO 2598 FT MSL.
TREE 4325 FT FROM DER, 1552 FT LEFT OF CENTERLINE, 41 FT AGL/2592 FT MSL.
TREES BEGINNING 4503 FT FROM DER, 1323 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/2593 FT MSL.

NOTE: RWY 17R: TERRAIN BEGINNING 9 FT FROM DER, 354 FT LEFT OF CENTERLINE, UP TO 2501 FT MSL.
VEGETATION 134 FT FROM DER, 314 FT RIGHT OF CENTERLINE, 2498 FT MSL.
FENCES, TERRAIN, TREES BEGINNING 197 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/2510 FT MSL.
TREE 353 FT FROM DER, 216 FT RIGHT OF CENTERLINE, 4 FT AGL/2500 FT MSL.
TREES, FENCE, TERRAIN BEGINNING 626 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/2513 FT MSL.
FENCES BEGINNING 629 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/2510 FT MSL.
FENCES BEGINNING 722 FT FROM DER, 197 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/2511 FT MSL.
TERRAIN, FENCES, TREES, VEHICLES ON ROADWAY BEGINNING 928 FT FROM DER, 47 FT LEFT OF CENTERLINE, UP TO 2552 FT MSL.
TANK, VEHICLES ON ROADWAY, SIGNS, TREE BEGINNING 1096 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/2533 FT MSL.
TRAVERSE WAY 1598 FT FROM DER, 798 FT RIGHT OF CENTERLINE, 2539 FT MSL.
SIGN, VEHICLES ON ROADWAY, TREES BEGINNING 1662 FT FROM DER, 124 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/2555 FT MSL.
VEHICLE ON ROADWAY 2197 FT FROM DER, 475 FT RIGHT OF CENTERLINE, 2556 FT MSL.
TREE 2355 FT FROM DER, 164 FT LEFT OF CENTERLINE, 2555 FT MSL.
SIGN, TRAVERSE WAY, TREE, UTILITY BUILDING BEGINNING 2358 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/2574 FT MSL.
SIGN, TREES, VEHICLES ON ROADWAY BEGINNING 2706 FT FROM DER, 130 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/2580 FT MSL.
POLE 2756 FT FROM DER, 698 FT RIGHT OF CENTERLINE, 37 FT AGL/2587 FT MSL.
POLE, TREES, VEHICLES ON ROADWAY, SIGN BEGINNING 2762 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 2595 FT MSL.
POLES, TERRAIN, VEHICLES ON ROADWAY, TREES, UTILITY BUILDING, SIGN BEGINNING 2763 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO

2598 FT MSL.

SIGN, TREES, VEHICLES ON ROADWAY, TERRAIN, VERTICAL STRUCTURE BEGINNING 3572 FT FROM DER, 60 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/2607 FT MSL.

SIGN, VEHICLES ON ROADWAY, TREES, TERRAIN BEGINNING 3930 FT FROM DER, 272 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2616 FT MSL.

SIGN, TERRAIN, TREES, VEHICLES ON ROADWAY BEGINNING 4296 FT FROM DER, 501 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2623 FT MSL.

BUILDING 4517 FT FROM DER, 815 FT LEFT OF CENTERLINE, 24 FT AGL/2628 FT MSL.

NOTE: RWY 35L: TERRAIN, LIGHT POLES BEGINNING 5 FT FROM DER, 100 FT RIGHT OF CENTERLINE, UP TO 2403 FT MSL.

SIGN 34 FT FROM DER, 199 FT LEFT OF CENTERLINE, 3 FT AGL/2403 FT MSL.

LIGHT POLE 39 FT FROM DER, 100 FT LEFT OF CENTERLINE, 4 FT AGL/2404 FT MSL.

CONTROLLING OBSTACLES:

RWY 17L: 4084 FT MSL AAO 355533.00N/1151509.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE).

RWY 17R: 4084 FT MSL AAO 355533.00N/1151509.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE).

RWY 35L: 3724 FT MSL AAO 355912.74N/1150158.76W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE).

RWY 35R: 3724 FT MSL AAO 355912.74N/1150158.76W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 17L, 17R, 35L, 35R: 12106 FT MSL AAO 361618.00N/1154145.00W.

VISUAL CLIMB AREA OBSTACLE: 4849 FT MSL AAO 355609.00N/1150251.00W.

REMARKS:

VEGETATION HEIGHT 45FT PER FPT.

ORDER 8260.3G - LEGACY ICA USED FOR DESIGN AND EVALUATION.

FLIGHT INSPECTED BY *Digitally signed by*

wendi s gima

APRIL T SARMENTO

Sep 01, 2026

OFFICE

AJF

DATE

08/31/2026

DEVELOPED BY

APRIL SARMENTO (TODD A. RUSSELL)

Digitally signed by

APRIL T SARMENTO

Sep 01, 2026

OFFICE

AJV-A432

DATE

10/29/2026

APPROVED BY

APRIL SARMENTO

Digitally signed by

APRIL T SARMENTO

Sep 01, 2026

OFFICE

AJV-A432

DATE

09/24/2026

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒

OTHER: ZLA, HND ATCT, LAS DEP CON, AMGR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS: INCREASED RUNWAY 17L AND 17R VCOA FROM "2800-3" TO "3000-3" – NEW CONTROLLING OBSTACLE.

2. TAKEOFF MINIMUMS: INCREASED RUNWAY 35L AND 35R VCOA FROM "2800-3" TO "3000-3" – NEW CONTROLLING OBSTACLE.

3. TEXTUAL DEPARTURE PROCEDURES: RUNWAY 17L AND 17R ADDED "DO NOT EXCEED 200 KIAS UNTIL PASSING LAS VORTAC" – MOVED FROM REMARKS IAW 8260.46K, 2-1-4.C(3).

4. TEXTUAL DEPARTURE PROCEDURES: RUNWAY 35L AND 35R ADDED "DO NOT EXCEED 200 KIAS UNTIL PASSING BLD VORTAC" – MOVED FROM REMARKS IAW 8260.46K, 2-1-4.C(3).

5. VISUAL CLIMB OVER AIRPORT" INCREASED VCOA CLIMB TO ALTITUDE FROM "5100" TO "5300" – NEW CONTROLLING OBSTACLE.

6. TAKEOFF OBSTACLE NOTES: UPDATE OBSTACLE NOTES – CANCELS FDC NOTAM #5/3703 & 5/3704.

7. CONTROLLING OBSTACLE: UPDATE OBSTACLES – NEW OBSTACLE SURVEY.

8. REMARKS: ADDED "VEGETATION HEIGHT 45FT PER FPT" & "ORDER 8260.3G - LEGACY ICA USED FOR DESIGN AND EVALUATION" – IAW 8260.46K, APPENDIX D, SECTION 1, J.

QUALITY
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CHECKED