

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.
PALM SPRINGS, CA	JACQUELINE COCHRAN RGNL		3

TAKEOFF MINIMUMS:

RWY 12: STANDARD WITH A MINIMUM CLIMB OF 364 FT PER NM TO 3400.
RWY 17: STANDARD WITH A MINIMUM CLIMB OF 374 FT PER NM TO 3400.
RWY 30: STANDARD WITH A MINIMUM CLIMB OF 340 FT PER NM TO 3400.
RWY 35: STANDARD WITH A MINIMUM CLIMB OF 402 FT PER NM TO 3400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 12: CLIMBING RIGHT TURN TO INTERCEPT TRM VORTAC R-136 TO MECCA, THENCE...
RWY 17: CLIMBING LEFT TURN HEADING 100 TO INTERCEPT TRM VORTAC R-136 TO MECCA, THENCE...
RWY 30, 35: CLIMBING RIGHT TURN HEADING 180 TO INTERCEPT TRM VORTAC R-136 TO MECCA, THENCE...

...AIRCRAFT DEPARTING MECCA ON TRM VORTAC R-101 CW R-139, CLIMB ON COURSE. ALL OTHERS TURN LEFT DIRECT TRM VORTAC
AND CLIMB IN TRM VORTAC HOLDING PATTERN (HOLD E, RT, 289.00 INBOUND) UNTIL REACHING MEA/MCA FOR ROUTE OF FLIGHT.

DME REQUIRED

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12, TREE 52 FT FROM DER, 495 FT LEFT OF CENTERLINE, 14 FT AGL/-117 FT MSL. TREE 131 FT FROM DER, 455 RIGHT OF CENTERLINE, 20 FT AGL/-111 FT MSL. WINDSOCK 195 FT FROM DER, 444 FT LEFT OF CENTERLINE, 22 FT AGL/-109 FT MSL. TREE 623 FT FROM DER, 403 FT RIGHT OF CENTERLINE, 18 FT AGL/-113 FT MSL. TREE 1427 FT FROM DER, 814 FT LEFT OF CENTERLINE, 60 FT AGL/-71 FT MSL.
NOTE: RWY 17, TREE 58 FT FROM DER, 491 FT RIGHT OF CENTERLINE, 6 FT AGL/-129 FT MSL. TREE 82 FT FROM DER, 188 FT RIGHT OF CENTERLINE, 34 FT AGL/-101 FT MSL. TREE 168 FT FROM DER, 432 FT LEFT OF CENTERLINE, 18 FT AGL/-117 FT MSL. TREE 235 FT FROM DER, 429 FT LEFT OF CENTERLINE, 16 FT AGL/-119 FT MSL.
NOTE: RWY 30, BUSH 11 FT FROM DER, 150 FT LEFT OF CENTERLINE, 4 FT AGL/-112 FT MSL. TREE 104 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 26 FT AGL/-112 FT MSL. TREE 145 FT FROM DER, 458 FT LEFT OF CENTERLINE, 9 FT AGL/-107 FT MSL. TREE 258 FT FROM DER, 281 FT LEFT OF CENTERLINE, 19 FT AGL/-97 FT MSL. TREE 701 FT FROM DER, 278 FT RIGHT OF CENTERLINE, 22 FT AGL/-94 FT MSL. TREE 896 FT FROM DER, 223 FT LEFT OF CENTERLINE, 26 FT AGL/-90 MSL.
NOTE: RWY 35, WINDSOCK 54 FT FROM DER, 190 FT RIGHT OF CENTERLINE, 8 FT AGL/-107 FT MSL. TREE 102 FT FROM DER, 258 FT RIGHT OF CENTERLINE, 19 FT AGL/-96 FT MSL. TREE 196 FT FROM DER, 295 FT RIGHT OF CENTERLINE, 18 FT AGL/-97 FT MSL. TREE 318 FT FROM DER, 372 FT RIGHT OF CENTERLINE, 31 FT AGL/-84 FT MSL. TREE 445 FT FROM DER, 418 FT LEFT OF CENTERLINE, 18 FT AGL/-97 FT MSL. TREE 464 FT FROM DER, 337 FT LEFT OF CENTERLINE, 14 FT AGL/-101 FT MSL. TREE 697 FT FROM DER, 265 RIGHT OF CENTERLINE, 22 FT AGL/-93 FT MSL. TREE 1778 FT FROM DER, 964 FT LEFT OF CENTERLINE, 93 FT AGL/-22 FT MSL.

CONTROLLING OBSTACLES:

RWY 12, 17, 30: 5046 FT MSL AAO 333412.00N/1161903.00W
RWY 35: 1842 FT MSL AAO 333755.39N/1160136.70W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
RWY 12, 17, 30, 35: 8916 FT MSL AAO 333124.54N/1162532.05W

QUALITY
3
CHECKED

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REMARKS:

VCOA NOT ESTABLISHED PER FPT AND ATC.
RWY 35: 1842 FT AAO LOCATED 1.97 NM INTO SECONDARY AREA.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

ROBERT GRIM	AJV-5431	ROBERT GRIM	03/22/2016	05/26/2016
		Mar 23, 2016		

APPROVED BY:

LONNIE EVERHART	AJV-5430	MANAGER
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COORDINATED WITH:

AOPA, NBAA, ZLA, SOCAL APP CON, AMGR

CHANGES:

1. FORM BROUGHT UP TO CURRENT FORMAT AND CRITERIA.
2. ADDED TAKEOFF OBSTACLE NOTES FOR ALL RWYS.
3. CHANGED TAKEOFF MINIMUMS RWY 12 FROM STANDARD TO STANDARD WITH A MINIMUM CLIMB OF 364 FT PER NM TO 3400.
CHANGED TAKEOFF MINIMUMS RWY 30 FROM CAT A/B STANDARD, CAT C/D 3400-2 OR STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 3700 TO RWY 30 STANDARD WITH A MINIMUM CLIMB OF 340 FT PER NM TO 3400.
4. CHANGED TAKEOFF MINIMUMS RWY 17 FROM STANDARD TO STANDARD WITH A MINIMUM CLIMB OF 374 FT PER NM TO 3400.
CHANGED TAKEOFF MINIMUMS RWY 35 FROM CAT A/B 400-2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 400, CAT C/D 3400-2 OR STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 3700 TO STANDARD WITH A MINIMUM CLIMB OF 402 FT PER NM TO 3400.
5. TEXTUAL DEPARTURE PROCEDURES RWY 12 CHANGED FROM CLIMBING LEFT TURN TO CLIMBING RIGHT TURN TO INTERCEPT TRM VORTAC R-136 TO MECCA. RWY 17 CHANGED FROM CLIMBING LEFT TURN TO CLIMBING LEFT TURN HEADING 100 TO INTERCEPT TRM VORTAC R-136 TO MECCA. RWY 30, 35 CHANGED FROM CLIMBING RIGHT TURN HEADING 150 TO CLIMBING RIGHT TURN HEADING 180 TO INTERCEPT TRM VORTAC R-136 TO MECCA. FOLLOW ON INSTRUCTIONS CHANGED FROM AIRCRAFT DEPARTING TRM VORTAC R-101 CW R-1351, CLIMB ON COURSE. ALL OTHERS CONTINUE CLIMB EASTBOUND VIA THE TRM VORTAC R-109 THEN CLIMBING RIGHT TURN TO CROSS TRM VORTAC AT OR ABOVE: R-304 CW R-100 4000, R-140 CW R-199 4700, R-200 CW R-303 6600 TO AIRCRAFT DEPARTING MECCA ON TRM VORTAC R-101 CW R-139, CLIMB ON COURSE. ALL OTHERS TURN LEFT DIRECT TRM VORTAC AND CLIMB IN TRM VORTAC HOLDING PATTERN (HOLD E, RT, 289.00 INBOUND) UNTIL REACHING MEA/MCA FOR ROUTE OF FLIGHT.
6. OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 12, 17, 30, 35 CHANGED FROM 10804 TERRAIN 334800/1164100 TO 8916 FT AAO 333124.54N/1162532.05W.

REASONS:

- 1-2. PER CRITERIA.
- 3-4. RWY 30 3146 FT TREE IS NOT IN DEPARTURE EVALUATION AREA. RWY 35 1842 FT AAO REQUIRES MINIMUM CLIMB GRADIENT. RWY 12, 17, 30 5046 AAO IN CLIMB-IN-HOLD PATTERN REQUIRES MINIMUM CLIMB GRADIENT AND CLIMB-TO-ALTITUDE.
5. PER FPT AND ATC REQUEST FOR ROUTING TO MECCA AND THEN TO THE TRM VORTAC HOLDING PATTERN TO CLIMB.
6. PER MAP STUDY (PREVIOUS AAO TOO FAR AWAY TO APPLY TO KTRM DEPARTURES).

QUALITY
3
CHECKED