

**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
COLORADO SPRINGS, CO	CITY OF COLORADO SPRINGS MUNI	17 AUGUST 2017	12A

TAKEOFF MINIMUMS:

RWY 17L, 17R STANDARD
 RWY 13, STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 6400, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER.
 RWY 31, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 7000.
 RWY 35L, STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 7000.
 RWY 35R, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 7000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13, 17L, 17R: CLIMBING LEFT TURN DIRECT BRK VOR/DME, THENCE ...
 RWY 31: CLIMB HEADING 307.09 TO 7000, THEN CLIMBING RIGHT TURN DIRECT BRK VOR/DME, THENCE ...
 RWY 35R: CLIMB HEADING 352.08 TO 7000, THEN CLIMBING RIGHT TURN DIRECT BRK VOR/DME, THENCE ...
 RWY 35L: CLIMBING RIGHT TURN DIRECT BRK VOR/DME, THENCE ...
 ... CONTINUE CLIMB IN HOLDING PATTERN (HOLD NW, LT, 159.00 INBOUND) TO CROSS BRK VOR/DME AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, RADAR ANTENNA 4979 FT FROM DER, 1640 FT LEFT OF CENTERLINE, 107 FT AGL/6292 FT MSL.
 NOTE: RWY 17L, RWY EDGE LIGHT (REIL) 25 FT FROM DER, 115 FT LEFT AND RIGHT OF CENTERLINE, 3 FT AGL/6104 FT MSL.
 NOTE: RWY 35L, RWY EDGE LIGHT (REIL) 39 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 2 FT AGL/6178 FT MSL. TREE 5898 FT FROM DER, 1773 FT RIGHT OF CENTERLINE, 50 FT AGL/6338 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 6779 FT MSL AAO 385208.44N/1044558.75W
 RWY 35L: 6779 FT MSL AAO 385235.29N/1044141.20W
 RWY 13: 6292 FT MSL ASR 384802.09N/1044042.44W
 RWY 35R: 6779 FT MSL AAO 385235.29N/1044141.20W
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
 RWY 13, 17L, 17R, 31, 35L, 35R: 14310 FT MSL AAO 385020.60N/1050238.00W
 RWY 35R: 6779 FT MSL AAO 385159.09N/1043924.87W
 RWY 31: 6959 FT MSL AAO 385323.62N/1044337.59W

REMARKS:

30FT VEGETATION UTILIZED PER FPT.
 VCOA NOT ESTABLISHED PER FPT AND ATC.
 RWY 13 ROUTE OVERFLIES R-2602, HOWEVER AIRCRAFT ARE ABOVE RESTRICTED AIRSPACE.

FLIGHT INSPECTED BY:

Digitally signed by
VICTOR B NASO
 Jun 07, 2017

OFFICE SYMBOL:

FICO

DATE:

04/26/2017

DEVELOPED BY:

Digitally signed by
KISSY MAXFIELD
 Apr 12, 2017

OFFICE SYMBOL:

AJV-5412

DATE:

03/25/2017

APPROVED BY:

Digitally signed by
VICTOR B NASO
 Jun 07, 2017

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

OTHER:

SDV, COS ATCT, COS APPCON, AMGR



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CHANGES - REASONS:

1. RWY 31 TEXTUAL DEPARTURE PROEDURE HEADING CHANGED FROM 306.09 TO 307.09, RWY 35R CHANGED FROM 351.08 TO 352.08-DUE TO AIRPORT MAGVAR CHANGED FROM 9E TO 8E.

