

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
SPRINGS	SIX	COS6.BRK	FIVE	05/26/2016	
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 13: CLIMB HEADING 127.08 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE, THENCE...  
TAKEOFF RWY 17L: CLIMB HEADING 172.08 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE. THENCE...  
TAKEOFF RWY 17R: CLIMB HEADING 172.06 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE, THENCE...  
TAKEOFF RWY 35R: CLIMB HEADING 352.08 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE, THENCE...  
TAKEOFF RWY 35L: CLIMB HEADING 352.06 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE, THENCE...  
TAKEOFF RWY 31: CLIMBING RIGHT TURN HEADING 050.00 FOR RADAR VECTORS TO FILED/ASSIGNED ROUTE, THENCE...

...MAINTAIN 10,000. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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**PROCEDURAL DATA NOTES:**

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 260 FT PER NM TO 7300.  
RWY 35L, STANDARD WITH MINIMUM CLIMB OF 283 FT PER NM TO 9000.  
RWY 35R, STANDARD WITH MINIMUM CLIMB OF 282 FT PER NM TO 9000.

**TAKEOFF MINIMUMS:**

**TAKEOFF OBSTACLES 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/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 13, 6292 FT MSL ASR 384802.09N/1044042.44W  
RWY 31, 6959 FT MSL AAO 385323.62N/1044337.59W  
RWY 35L, 6959 FT MSL AAO 385323.62N/1044337.59W  
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

**LOST COMMUNICATIONS PROCEDURES:**

IF NOT IN CONTACT WITH DEPARTURE CONTROL WITHIN 1 MINUTE AFTER DEPARTURE FROM RUNWAYS 13 AND 17L/R TURN LEFT, FROM RUNWAY 31 AND 35L/R TURN RIGHT DIRECT BRK VOR/DME, THENCE VIA FILED/ASSIGNED ROUTE. AIRCRAFT FILED V108 WESTBOUND: CONTINUE CLIMB IN HOLDING PATTERN TO CROSS BRK VOR/DME AT OR ABOVE 14000.

**ADDITIONAL FLIGHT DATA:**

CHART: R-2601 A & B.  
CHART: HOLDING AT BRK VOR/DME. HOLD NW, LT. 159.00 INBOUND.  
CHART J28 FROM PUB TO HBU.



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SPRINGS	SIX	COS6.BRK	FIVE	05/26/2016	

CHART: V108 FROM BRK TO DBL.  
CHART: RADAR REQUIRED.  
CHART: TOP ALTITUDE: 10,000  
REFERENCE MAG VAR: KCOS 8E EPOCH YR: 2020

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
CITY OF COLORADO SPRINGS MUNI	COLORADO SPRINGS	CO

**COMMUNICATIONS:**

COS ATCT, COS APP/DEP CON, DENVER TRACON. ZDV ARTCC, COS ATIS

**FIXES AND/OR NAVAIDS:**

VORTACS: ALS, PUB, FQF, DVV.  
VOR/DMES: RIL, HBU, TBE, BRK, HGO, LAA, DBL.  
FIXES: BRESH. DRAKE, ELLZA, JEWLS, MASHD, RODDY, TRAIN.

**REMARKS:**

CLIMB-TO-ALTITUDES AND CLIMB GRADIENTS DIFFER FROM THE OBSTACLE DEPARTURE PROCEDURE DUE TO AIRCRAFT NEEDING TO BE AT OR ABOVE THE MVA FOR RADAR VECTORING.

**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW FLIGHT INSPECTION TEAM (AJW-333) MEMO, MAY 30, 2017

**OFFICE SYMBOL:**

*Digitally signed by*

**VICTOR B NASO**

Dec 22, 2017

**OFFICE SYMBOL:**

AJV-5413

**DATE:**

12/19/2017

**DEVELOPED BY:**

*Digitally signed by*

**VICTOR B NASO**

Dec 22, 2017

STEVE BRUMMET

**APPROVED BY:**

*Digitally signed by*

**VICTOR B NASO**

Dec 22, 2017

GEORGE E. DAVIS

**OFFICE SYMBOL:**

AJV-5410

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**      **ALPA**      **AOPA**      **APA**      **HAI**      **NBAA**

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**OTHER:**

ZDV ARTCC, DEN TRACON, COS APP CON, COS ATCT

**CHANGES - REASONS:**

1. CHANGED TOP ALTITUDE FROM AS ASSIGNED BY ATC TO 10,000. - PER ATC REQUEST.
2. CHANGED RWY 17L HEADING FROM 171.06 TO 172.08. - DATABASE RWY ALIGNMENT UPDATED AND MAGVAR CHANGED FROM 9E TO 8E.
3. CHANGED RWY 17R HEADING FROM 171.05 TO 172.06. - DATABASE RWY ALIGNMENT UPDATED AND MAGVAR CHANGED FROM 9E TO 8E.
4. CHANGED RWY 35R HEADING FROM 351.08 TO 352.08. - MAGVAR CHANGED FROM 9E TO 8E.



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5. CHANGED RWY 35L HEADING FROM 351.06 TO 352.06. - MAGVAR CHANGED FROM 9E TO 8E.					
6. CHANGED RWY 13 HEADING FROM 126.08 TO 127.08. - MAGVAR CHANGED FROM 9E TO 8E.					

02/05/2018: THIS IS A CORRECTED COPY OF THE FROMS APPROVED ON 12/22/2017.

1. SID CHECKED ON ON PAGE 1 OF 8260-15B, FOR PROCEDURE TYPE.

