

**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</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
ROCKY MOUNTAIN METROPOLITAN	KBJC	DENVER	CO	7	

TAKEOFF MINIMUMS:

RWY 3, 12R, 12L, 21, 30R, 30L: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3: CLIMB ON A HEADING BETWEEN 350 CW TO 160 FROM DEPARTURE END OF RUNWAY. ALL OTHER COURSES: CLIMBING RIGHT TURN HEADING 147 TO INTERCEPT DEN VOR/DME R-284 TO DEN VOR/DME, THENCE...

RWY 12L, 12R: CLIMB ON A HEADING BETWEEN 160 CCW TO 350 FROM DEPARTURE END OF RUNWAY. ALL OTHER COURSES: CLIMB HEADING 115.29 TO INTERCEPT DEN VOR/DME R-275 TO DEN VOR/DME, THENCE...

RWY 21: CLIMB ON A HEADING BETWEEN 160 CCW TO 026 FROM DEPARTURE END OF RUNWAY. ALL OTHER COURSES: CLIMBING LEFT TURN HEADING 044 TO INTERCEPT DEN VOR/DME R-272 TO DEN VOR/DME, THENCE...

RWY 30R: CLIMB ON A HEADING BETWEEN 350 CW TO 113 FROM DEPARTURE END OF RUNWAY. ALL OTHER COURSES: CLIMBING RIGHT TURN HEADING 142 TO INTERCEPT DEN VOR/DME R-280 TO DEN VOR/DME, THENCE...

RWY 30L: CLIMB ON A HEADING BETWEEN 350 CW TO 113 FROM DEPARTURE END OF RUNWAY. ALL OTHER COURSES: CLIMBING RIGHT TURN HEADING 142 TO INTERCEPT DEN VOR/DME R-279 TO DEN VOR/DME, THENCE...

...CLIMB IN DEN VOR/DME HOLDING PATTERN (HOLD S, RT, 343.00 INBOUND) TO 16500 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 3: POLE 431 FT FROM DER, 369 FT RIGHT OF CENTERLINE, 49 FT AGL/5622 FT MSL.

RWY 12L: MULTIPLE POLES BEGINNING 10 FT FROM DER, 395 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/5567 FT MSL.

RWY 12R: MULTIPLE POLES AND LIGHTING BEGINNING 8 FT FROM DER, 52 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/5596 FT MSL.

RWY 21: WIND INDICATOR 117 FT FROM DER, 209 FT LEFT OF CENTERLINE, 10 FT AGL/5622 FT MSL.

RWY 30L: LIGHTING 40 FT FROM DER, 76 FT RIGHT OF CENTERLINE, 2 FT AGL/5676 FT MSL. LIGHTING 40 FT FROM DER, 76 FT LEFT OF CENTERLINE, 2 FT AGL/5676 FT MSL. BUILDING 42 FT FROM DER, 499 FT LEFT OF CENTERLINE, 28 FT AGL/5703 FT MSL. BUILDING, VEHICLES ON ROAD, TERRAIN AND FENCE BEGINNING 245 FT FROM DER, 147 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/5708 FT MSL. FENCE, TERRAIN AND POLE BEGINNING 993 FT FROM DER, 92 FT LEFT OF CENTERLINE, UP TO 19 FT AGL/5734 FT MSL. POLE, VEHICLE ON ROAD, TREE AND TERRAIN BEGINNING 1413 FT FROM DER, 715 FT LEFT OF CENTERLINE, UP TO 5736 FT MSL. TREE AND VEHICLE ON ROAD BEGINNING 2761 FT FROM DER, 1094 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/5754 FT MSL.

RWY 30R: POLE 10 FT FROM DER, 60 FT LEFT OF CENTERLINE, 2 FT AGL/5661 FT MSL. POLE 11 FT FROM DER, 245 FT RIGHT OF CENTERLINE, 2 FT AGL/5661 FT MSL. LIGHTING 39 FT FROM DER, 126 FT RIGHT OF CENTERLINE, 2 FT AGL/5662 FT MSL. POLE 154 FT FROM DER, 496 FT LEFT OF CENTERLINE, 2 FT AGL/5667 FT MSL. POLE 1606 FT FROM DER, 917 FT LEFT OF CENTERLINE, 44 FT AGL/5702 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 3: 10716 FT MSL AAO 395336.00N/1052506.00W.

RWY 12L/R, 21, 30L/R: 9114 FT MSL AAO 395336.00N/1051848.00W.

REMARKS:

DIVERSE HEADINGS AND CLIMB IN HOLD TO 16500 PRIOR TO WESTBOUND (ALL OTHER COURSES) PER FLIGHT CHECK DIRECTION. DIVERSE HEADINGS COULD HAVE BEEN FARTHER WEST BASED ON OBSTACLES HOWEVER FLIGHT CHECK EXPERIENCED SEVERE TURBULENCE APPROACHING MOUNTAIN RANGE AND ADJUSTED THE HEADINGS FARTHER EAST OF MOUNTAIN RANGE.

FLIGHT INSPECTED BY

OFFICE

DATE

DEVELOPED BY

OFFICE

DATE

DONALD LANIER (TARA N. MARTINELLI)

AJV-A432

08/14/2019

APPROVED BY

OFFICE

DATE

TITLE

GEORGE DAVIS

AJV-A43

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV, DEN APP CON, BJC ATCT, AMGR.

QUALITY
31
CHECKED

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	EFFECTIVE DATE
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CHANGES - REASONS:

- 1. CHANGED TEXTUAL DEPARTURE PROCEDURE, ALL RUNWAYS, FROM CLIMB ON HEADING TO CLIMB ON A HEADING - IAW 8260.46G APPENDIX D, SECTION1, PARA 8.
- 2. CHANGED TEXTUAL DEPARTURE PROCEDURES RUNWAY 12L/R FROM CLIMB ON HEADING 111.51 TO CLIMB ON HEADING 115.29 - ALIGNED WITH RUNWAY BEARING.
- 3. CHANGED TEXTUAL DEPARTURE PROCEDURES RUNWAY 21 FROM CLIMB ON HEADING BETWEEN 160 CW TO 024 CCW TO CLIMB ON HEADING BETWEEN 160 CW TO 026 - 024 IS MORE THEN 180 DEGREE FORM THE RECIPICAL OF RWY HEADING. HEADING CHANGED TO COMPLY WITH CURRENT CRITIRIA.
- 3. RWY 30L AND 30R TEXTUAL DEPARTURE PROCEDURES: RWY 30L: CHANGED FROM DEN R-279 TO DEN VOR/DME R-279. RWY 30R: CHANGED FROM DEN R-280 TO DEN VOR/DME R-280. - TO MAINTAIN CONSISTENCY WITH OTHER RUNWAYS.
- 4. UPDATED TAKEOFF OBSTACLE NOTES - NEW SURVEYED OBSTACLES.
- 5. UPDATED CONTROLLING OBSTACLE BASED ON ODP ROUTE DEVELOPMENT - NEW AUTOMATION EVALUATION RESULTS.

