

**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SUPERSEDED NUMBER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>
PIKES	NINE	PIKES9.DEN	EIGHT	05/26/2016	JAN 05 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:**

DENVER INTL:

TAKEOFF ALL RUNWAYS, FLY ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED ROUTE. CLIMB AND MAINTAIN 10000 OR ATC ASSIGNED LOWER ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

BUCKLEY AFB:

TAKEOFF ALL RUNWAYS. FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

GREELEY-WELD COUNTY:

TAKEOFF ALL RUNWAYS, FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

CENTENNIAL:

TAKEOFF ALL RUNWAYS, FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.  
RWY 10, CLIMB HEADING 099.95 TO 6600 BEFORE TURNING RIGHT.

FRONT RANGE:

TAKEOFF ALL RUNWAYS, FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ROCKY MOUNTAIN METROPOLITAN:

TAKEOFF RWY 3. CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 150 FROM DEPARTURE END OF RUNWAY, THENCE...  
TAKEOFF RWY 12L, 12R: CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 150 CCW 350 FROM DEPARTURE END OF RUNWAY. THENCE...  
TAKEOFF RWY 21, CLIMBING LEFT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 150 CCW TO 024 FROM DEPARTURE END OF RUNWAY. THENCE...  
TAKEOFF RWY 30R. CLIMBING RIGHT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 113 FROM DEPARTURE END OF RUNWAY. THENCE...  
TAKEOFF RWY 30L. CLIMBING RIGHT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 113 FROM DEPARTURE END OF RUNWAY. THENCE...  
... EXPECT RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

FORT COLLINS-LOVELAND MUNI:

TAKEOFF RWY 33. CLIMBING RIGHT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 150 FROM DEPARTURE END OF RUNWAY. THENCE...  
TAKEOFF RWY 15, CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 180 CCW 350 FROM END OF RUNWAY. THENCE...  
... EXPECT RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 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>
PUEBLO	PIKES9.PUB	DEN VOR/DME	ADANE	159.15 (DEN R-159)	55.11	11000	9700	
			DRAKE	174.19 (PUB R-354)	18.55	9000		
			PUB VORTAC	174.19 (PUB R-354)	18.74	7800		
ALAMOS	PIKES9.ALS	DEN VOR/DME	TEHEV	197.00 (DEN R-197)	82.39	FL230	14300	

QUALITY  
3  
CHECKED

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PIKES			NINE	PIKES9.DEN	EIGHT		05/26/2016	<a href="#">JAN 05 2016</a>
			ALS VORTAC		182.00 (ALS R-002)	75.45	FL230	
BINKE	PIKES9.BINKE	DEN VOR/DME	TEHEV		197.00 (DEN R-197)	82.39	FL230	14300
			BINKE		182.00 (ALS R-002)	34.62	FL230	

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

DENVER INTERNATIONAL-STANDARD

ROCKY MOUNTAIN METROPOLITAN - RWY 3, 12R, 12L, 21 , 30R, 30L, STANDARD.

BUCKLEY AFB - STANDARD.

CENTENNIAL - RWY 10, 35L, 35R, STANDARD.

RWY 17L, STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 8000.

RWY 17R, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 8000.

RWY 28, STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 8000.

FRONT RANGE- STANDARD.

GREELEY-WELD COUNTY-STANDARD.

FORT COLLINS-LOVELAND MUNI-RWY 6, 24, NA - VFR RUNWAY. RWY 15, 33, STANDARD.

**TAKEOFF OBSTACLES NOTES:**

DENVER INTL:

NOTE: RWY 7, SIGN 21 FT FROM DER, 337 FT LEFT OF CENTERLINE, 5 FT AGL/5357 FT MSL.

NOTE: RWY 16L, MULTIPLE TREES, BEGINNING 126 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/5359 FT MSL. COMMUNICATION TWR, 4749 FT FROM DER, 1358 FT LEFT OF CENTERLINE, 107 FT AGL/5478 FT MSL.

NOTE: RWY 25, SIGN, 48 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO FT 6 AGL/5354 FT MSL.

NOTE: RWY 26, SIGN, 50 FT FROM DER, 339 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/5356 FT MSL.

ROCKY MOUNTAIN METROPOLITAN:

NOTE: RWY 03, POLE 432 FT FROM DER, 370 FT RIGHT OF CENTERLINE, 49 FT AGL/5622 FT MSL.

NOTE: RWY 12L, GROUND 1 FT FROM DER, 266 FT LEFT OF CENTERLINE, 5566 FT MSL. POLES, BEGINNING 11 FT FROM DER, 395 FT LEFT OF CENTERLINE, UP TO 2 FT AGL/5567 FT MSL.

NOTE: RWY 12R, POLES BEGINNING 7 FT FROM DER, 265 FT RIGHT OF CENTERLINE, 2 FT AGL/5596 FT MSL. LIGHTS 8 FT FROM DER, 52 FT LEFT AND RIGHT OF CENTERLINE, 2 FT AGL/5596 FT MSL.

NOTE: RWY 21, WINDSOCK 116 FT FROM DER, 209 FT LEFT OF CENTERLINE, 10 FT AGL/5622 FT MSL.

NOTE: RWY 30L, TERRAIN BEGINNING 23 FT FROM DER, 28 FT LEFT OF CENTERLINE, 5724 FT MSL. LIGHTS 40 FT FROM DER, 76 FT LEFT AND RIGHT OF CENTERLINE, 2 FT AGL/5676 FT MSL.

GROUND, BEGINNING 831 FT FROM DER, 170 FT LEFT OF CENTERLINE, 5698 FT MSL. FENCE BEGINNING 946 FT FROM DER, 206 FT LEFT OF CENTERLINE, UP TO 19 FT AGL/5734 FT MSL.

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VEHICLES ON ROAD BEGINNING 1425 FT FROM DER, 715 FT LEFT OF CENTERLINE, 10 FT AGL/5748 FT MSL. TREES AND POLES, BEGINNING 1106 FT FROM DER, 92 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/5754 FT MSL.

NOTE: RWY 30R, GROUND 1 FT FROM DER, 183 FT RIGHT OF CENTERLINE, 5661 FT MSL. LT POLE 10 FT FROM DER, 59 FT LEFT OF CENTERLINE, 2 FT AGL/5661 FT MSL. LIGHTS BEGINNING 11 FT FROM DER, 127 FT RIGHT OF CENTERLINE, 2 FT AGL/5567 FT MSL. POLE 1606 FT FROM DER, 917 FT LEFT OF CENTERLINE, 44 FT AGL/5702 FT MSL.

BUCKLEY AFB

NOTE: RWY 14, TERRAIN 110 FT FROM DER, 529 FT LEFT OF CENTERLINE, 566 FT MSL.

CENTENNIAL

NOTE: RWY 10, TERRAIN BEGINNING 369 FT FROM DER 30 FT RIGHT OF CENTERLINE, UP TO 5854 FT MSL. FENCES BEGINNING 1211 FT FROM DER, 233 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL 5841 FT MSL. MULTIPLE BUSHES BEGINNING 1378 FT FROM DER, 284 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL 5840 FT MSL. MULTIPLE ROADS WITH VEHICLES BEGINNING 198 FT FROM DER, 404 FT LEFT OF CENTERLINE, UP TO 15 FT AGL 5835 FT MSL. TERRAIN 1358 FT FROM DER, 253 FT LEFT OF CENTERLINE, UP TO 5830 FT MSL.

NOTE: RWY 17L, TREES BEGINNING 2968 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL 5976 FT MSL.

NOTE: RWY 17R, TERRAIN 181 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 5887 FT MSL. FENCE 538 FT FROM DER, 196 FT RIGHT OF CENTERLINE, 8 FT AGL 5886 FT MSL. TREES BEGINNING 562 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL 5976 FT MSL. MULTIPLE LIGHT POLES BEGINNING 2362 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL 5942 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3282 FT FROM DER, 842 FT RIGHT OF CENTERLINE, 90 FT AGL 6021 FT MSL.

NOTE: RWY 28, TERRAIN BEGINNING 89 FT FROM DER, ON CENTERLINE EXTENDING TO 514 FT LEFT TO 137 FT RIGHT OF CENTERLINE, UP TO 5843 FT MSL. WINDSOCK 100 FT FROM DER. 183 FT LEFT OF CENTERLINE, 15 FT AGL 5832 FT MSL. TREES BEGINNING 1640 FT FROM DER, 731 FT LEFT OF CENTERLINE, UP TO 100 FT AGL 5959 FT MSL.

FRONT RANGE

NOTE: RWY 17, POLE 3618 FT FROM DER, 516 FT LEFT OF CENTERLINE, 43 FT AGL/5603 FT MSL.

NOTE: RWY 26, TREES BEGINNING 98 FT FROM DER, 456 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/5489 FT MSL.

GREELY-WELD COUNTY

NOTE: RWY 28, TREE, 1634 FT FROM DER, 836 FT LEFT OF CENTERLINE, 56 FT AGL/4717 FT MSL. FENCE, 237 FT FROM DER, 422 FT RIGHT OF CENTERLINE, 11 FT AGL/4670 FT MSL. FENCE, 99 FT FROM DER, 423 FT LEFT OF CENTERLINE, 10 FT AGL/4665 FT MSL.

NOTE: RWY 35, MULTIPLE TREES, BEGINNING 1860 FT FROM DER, 595 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/4785 FT MSL. TREE 2854 FT FROM DER, 524 FT LEFT OF CENTERLINE, 73 FT AGL/4770 FT MSL.

FORT COLLINS-LOVELAND MUNI:

NOTE: RWY 33, TREES, BEGINNING 833 FT FROM DER, 516 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/5025 FT MSL. MULTIPLE POLES BEGINNING 567 FT FROM DER, 540 FT LEFT OF CENTERLINE, 26 FT AGL/4995 FT MSL.

**CONTROLLING OBSTACLES:**

CENTENNIAL:

RWY 10: 6520 FT MSL TWR 393024.00N/1044604.00W.

RWY 17L: 6559 FT MSL AAO 392953.93N/1045044.26W

RWY 17R: 6021 FT MSL OBS LT ON BLDG 393302.52N/1045119.43W, 6559 FT MSL MO 392953.93N/1045044.26W.

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**LOST COMMUNICATIONS PROCEDURES:**

IF NO TRANSMISSIONS ARE RECEIVED WITHIN ONE MINUTE AFTER DEPARTURE. MAINTAIN ASSIGNED HEADING UNTIL 7000 FEET, THEN CLIMB TO FILED ALTITUDE VIA DIRECT DEN VOR/DME, THENCE VIA ASSIGNED TRANSITION. IF FILED ALTITUDE IS ABOVE 10000 FEET, CROSS DEN VOR/DME AT OR ABOVE 11000 FEET.

**ADDITIONAL FLIGHT DATA:**

CHART BRK R-091 TO ADANE AND BRK R-145 TO DRAKE. CHART HGO R-245 TO DRAKE. CHART PUB R-282 TO TEHEV AND PUB R-245 TO BINKE  
DENVER INTL - CHART: TOP ALTITUDE: 10000  
CENTENNIAL - CHART: TOP ALTITUDE: ASSIGNED BY ATC  
ROCKY MOUNTAIN METROPOLITAN - CHART: TOP ALTITUDE: ASSIGNED BY ATC  
BUCKLEY AFB - CHART: TOP ALTITUDE: ASSIGNED BY ATC  
FRONT RANGE - CHART: TOP ALTITUDE: ASSIGNED BY ATC  
GREELEY-WELD COUNTY - CHART: TOP ALTITUDE: ASSIGNED BY ATC  
FORT COLLINS-LOVELAND MUNI - CHART: TOP ALTITUDE: ASSIGNED BY ATC

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DENVER INTL	DENVER	CO +
ROCKY MOUNTAIN METROPOLITAN	DENVER	CO
BUCKLEY AFB	AURORA	CO
CENTENNIAL	DENVER	CO
FRONT RANGE	DENVER	CO
GREELEY-WELD COUNTY	GREELEY	CO
FORT COLLINS-LOVELAND MUNI	FORT COLLINS/LOVELAND	CO

**COMMUNICATIONS:**

CHART COMMUNICATIONS FOR ATIS, CLEARANCE DELIVERY, DEP CON

**FIXES AND/OR NAVAIDS:**

SOLAR, HGO VOR/DME, BRK VOR/DME

**REMARKS:**

MVA/MIA OBSTACLE CLEARANCE WILL BE PROVIDED ON TRANSITION ROUTES UNTIL AIRCRAFT REACHES MEA.

FOR THOSE AIRPORTS THAT HAVE RESTRICTIONS ON INITIAL DIVERSE VECTORS OFF THE AIRPORT - RESTRICTIONS ARE LIFTED ONCE AIRCRAFT REACHES MINIMUM VECTORING ALTITUDE AND ATC COMMENCES VECTORING AIRCRAFT TO TRANSITION.

CLIMB GRADIENTS AT CENTENNIAL OFF RWY 17L/R ARE OBSTACLE DRIVEN WITH THE CLIMB TO ALTITUDE DETERMINED BY LOCATION OF 8000 MVA AND PROXIMITY TO HIGHER MVA'S, RWY 28 CLIMB GRADIENT AND CLIMB TO ALTITUDE ARE BOTH DETERMINED BY THE LOCATION OF 8000 MVA AND PROXIMITY TO HIGHER MVA'S.

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PIKES	NINE	PIKES9.DEN	EIGHT	05/26/2016	<a href="#">JAN 05 2016</a>

**FLIGHT INSPECTED BY:**

CHARLES D CUNNINGHAM

*Digitally signed by***BEV L BORDY**

Nov 07, 2016

**OFFICE SYMBOL:**

FIOG

**DATE:**

11/03/2016

**DEVELOPED BY:**

RONALD O. SALPINO

*Digitally signed by***RONALD SALPINO**

Aug 12, 2016

**OFFICE SYMBOL:**

AJV-5433

**DATE:**

07/25/2016

**APPROVED BY:**

LONNIE EVERHART

*Digitally signed by***BEV L BORDY**

Nov 07, 2016

**OFFICE SYMBOL:**

AJV-5430

**DATE:****REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:****A4A****ALPA****AOPA****APA****HAI****NBAA****OTHER:**

ZDV, DEN ATCT, DEN APP CON, CO AERO MGR, APT MGR'S

**CHANGES - REASONS:**

1. HEADER INFORMATION: CHANGED DP NUMBERING FROM EIGHT TO NINE, DP CODE FROM PIKES8.DEN TO PIKES9.DEN, SUPERSEDED NUMBER FROM SEVEN TO EIGHT AND DATE FROM 11/13/2014 TO 05/26/2016. - HEADER INFORMATION AND COMPUTER CODE REQUIRED CHANGES WHEN PROCEDURE REQUIRES AN AMENDMENT.
2. ALL TRANSITION ROUTES UP-NUMBERED FROM 8 TO 9. - PROCEDURE CHANGED FROM PIKES EIGHT TO PIKES NINE.
3. ADDED MOCA 14300 TO THE ALAMOSA TRANSITION BETWEEN DEN VOR/DME AND TEHEV. - ATC REQUESTED IAW 7110.65.
4. REMOVED MOCAS FROM PUEBLO ROUTE FROM ADANE TO DRAKE AND FROM DRAKE TO PUB VORTAC. - MOCA WAS WITHING 300 FEET OF THE MEA OR SAME AS THE MEA THEREFORE NOT REQUIRED TO BE CHARTED.

11/18/14: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/03/2016.

1. CORRECTED THE DISTANCE BETWEEN DEN VORTAC AND TEHEV ON THE ALAMOS TRANSITION FROM 82.83 NM TO 82.39 NM.

