

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
DENVER	SIX		FIVE	15 MAR 07	11/15/12

TYPE: SID

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 2, CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 150 FROM DEPARTURE END OF RUNWAY, THENCE...
 TAKEOFF RWY 11L, 11R: CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 150 CCW 350 FROM DEPARTURE END OF RUNWAY. THENCE...
 TAKEOFF RWY 20, CLIMBING LEFT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 150 CCW TO 024 FROM DEPARTURE END OF RUNWAY. THENCE...
 TAKEOFF RWY 29R, CLIMBING RIGHT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 113 FROM DEPARTURE END OF RUNWAY. THENCE...
 TAKEOFF RWY 29L, 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):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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QUALITY
2 / 1
05/15/10

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DENVER	SIX		FIVE	15 MAR 07	11/15/12

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.
DENVER INTL - STANDARD.
ROCKY MOUNTAIN METROPOLITAN - RWY 2, 11R, 11L, 20, 29R, STANDARD.
RWY 29L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5900.
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 SIGNS 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, 6 FT AGL/5354 FT MSL.
NOTE: RWY 26, SIGN 50 FT FROM DER, 339 FT LEFT OF CENTERLINE, 5 FT AGL/5356 FT MSL.
ROCKY MOUNTAIN METROPOLITAN:
NOTE: RWY 2, POLE 432 FT FROM DER, 370 FT RIGHT OF CENTERLINE, 49 FT AGL/5619 FT MSL.
NOTE: RWY 29L, TERRAIN BEGINNING 23 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 5708 FT MSL. FENCE 982 FT FROM DER, 303 FT LEFT OF CENTERLINE, 14 FT AGL/5714 FT MSL. FENCE 1015 FT FROM DER, 392 FT LEFT OF CENTERLINE, 15 FT AGL/5725 FT MSL. MULTIPLE TREES BEGINNING 687 FT FROM DER, 615 FT RIGHT OF CENTERLINE UP TO 70 FT AGL/5839 FT MSL. TREE 3196 FT FROM DER, 1337 FT LEFT OF CENTERLINE, 70 FT AGL/5839 FT MSL.
BUCKLEY AFB:
NOTE: RWY 14, TERRAIN 110 FT FROM DER, 529 FT LEFT OF CENTERLINE, 5666 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.
GREELEY-WELD COUNTY:
NOTE: RWY 27, 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, 9 FT AGL/4670 FT MSL. FENCE 99 FT FROM DER, 423 FT LEFT OF CENTERLINE, 4 FT AGL/4665 FT MSL.

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NOTE: RWY 34, TREES BEGINNING 1860 FT FROM DER, 595 FT RIGHT OF CENTERLINE , UP TO 67 FT AGL/4785 FT MSL. TREE 2854 FEET 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, UP TO 26 FT AGL/4995 FT MSL.

CONTROLLING OBSTACLES:

ROCKY MOUNTAIN METROPOLITAN:

RWY 29L: 5839 FT MSL TREE 395457.98N/1050837.12W.

CENTENNIAL:

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

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

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

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 ROUTE. IF FILED ALTITUDE IS ABOVE 10000 FEET, CROSS DEN VOR/DME AT OR ABOVE 11000 FEET.

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

DENVER INTL
ROCKY MOUNTAIN METROPOLITAN
BUCKLEY AFB
CENTENNIAL
FRONT RANGE
GREELEY-WELD COUNTY
FORT COLLINS-LOVELAND MUNI

DENVER, CO
DENVER, CO
AURORA, CO
DENVER, CO
DENVER, CO
GREELEY, CO
FORT COLLINS/LOVELAND, CO

COMMUNICATIONS:

CHART COMMUNICATIONS FOR ATIS, CLEARANCE DELIVERY, DEP CON

FIXES AND/OR NAVAIDS:

OCS, RLG, EKR, JNC, HBU, GLL, DEN, AKO, HGO, LAR, BRK, PUB, VOR/DME'S. DVV, CYS, SNY, FQF, TXC, HCT, GLD, GCK VORTAC'S.

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DENVER	SIX		FIVE	15 MAR 07	11/15/12

FRONT RANGE:

TAKEOFF RWY: 15, 33, FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO ASSIGNED ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ROCKY MOUNTAIN METROPOLITAN:

TAKEOFF RWY 2: CLIMB TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 150 FROM DEPARTURE END OF RUNWAY, THENCE...
 TAKEOFF RWY 20: CLIMBING LEFT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 150 CCW TO 024 FROM DEPARTURE END OF RUNWAY. THENCE...
 TAKEOFF RWY 29R: CLIMBING RIGHT TURN TO ASSIGNED ALTITUDE AND HEADING BETWEEN 350 CW 113 FROM DEPARTURE END OF RUNWAY. THENCE...
 TAKEOFF RWY 29L: 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.

3. CENTENNIAL - CHANGED RWY 17L/R FROM "600-2 OR STANDARD WITH MINIMUM CLIMB OF 240 FEET PER NM TO 6600" TO "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." ROCKY MOUNTAIN METROPOLITAN- CHANGED FROM "STANDARD" TO: RWY 2, 11R, 11L, 20, 29R, STANDARD. RWY 29L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5900.
4. UPDATED TAKEOFF OBSTACLE NOTES.
5. UPDATED CONTROLLING OBSTACLES.
6. BUCKLEY AFB T/O MINS CHANGED FROM "SEE APPROPRIATE MILITARY DIRECTIVE" TO "STANDARD."

REASONS:

1. AIR TRAFFIC REQUEST.
2. AT REQUEST, AND CLOSE PROXIMITY OF SOME AIRPORTS TO RAPIDLY RISING TERRAIN. CENTENIAL RWY 10 CLIMBOUT CHANGED DUE TO 6520 FT TOWER SOUTHEAST.
3. CENTENNIAL - AAO AND PROXIMITY TO HIGHER MVA AREA. ROCKY MOUNTAIN METROPOLITAN RWY 29L – TREE IN ICA.
4. LOW CLOSE-IN OBSTACLES.
5. OBSTACLE SURVEY AND MAP SEARCH.
6. BUCKLEY AFB REPRESENTATIVE PROVIDED LOW CLOSE IN OBSTACLE INFORMATION TO BE PUBLISHED.

06/14/12: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 02/01/12.

1. ADDED THE FOLLOWING TAKEOFF OBSTACLE NOTES FOR 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 SIGNS 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, 6 FT AGL/5354 FT MSL.

NOTE: RWY 26, SIGN 50 FT FROM DER, 339 FT LEFT OF CENTERLINE, 5 FT AGL/5354 FT MSL.

2. ADDED EFFECTIVE DATE OF 11/15/12.

08/23/12: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 02/01/12.

1. CHANGED FRONT RANGE ROUTE DESCRIPTION RUNWAYS FROM 15/33 TO ALL RUNWAYS.

