

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
DDRTH	ONE	DDRTH1.DDRTH	NONE		26 MAR 20
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☒	

DP ROUTE DESCRIPTION:

DENVER INTL:

TAKEOFF RWY 8: CLIMB ON HEADING 082.56 TO 5934, THEN CLIMBING LEFT TURN DIRECT TO CROSS ROYYL AT OR BELOW 10000, THEN ON TRACK 359.58 TO TURBN, THEN ON TRACK 315.84 TO CROSS CHCN AT OR ABOVE 14000, THEN ON TRACK 315.40 TO CROSS FAARM AT OR ABOVE 16000, THEN ON TRACK 315.43 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 16L: CLIMB ON HEADING 172.51 TO 5934, THEN ON HEADING 172.51 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 16R: CLIMB ON HEADING 172.51 TO 5934, THEN ON HEADING 172.51 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 17L: CLIMB ON HEADING 172.54 TO 5934, THEN ON HEADING 172.54 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 17R: CLIMB ON HEADING 172.53 TO 5934, THEN ON HEADING 172.53 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS MUGBE AT OR BELOW 10000, THEN ON TRACK 323.29 TO WAZEE, THEN ON TRACK 009.05 TO CROSS LODOE AT OR ABOVE 12000, THEN ON TRACK 032.82 TO CROSS RINKR AT OR ABOVE 14000, THEN ON TRACK 350.22 TO CROSS HERDR AT OR ABOVE 16000, THEN ON TRACK 342.30 TO TROTO, THEN ON TRACK 325.71 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO 5934, THEN CLIMB DIRECT TO CROSS NKATA AT OR BELOW 10000, THEN ON TRACK 330.47 TO CROSS KAYOO AT OR BELOW 11000, THEN ON TRACK 330.61 TO CROSS SHICK AT OR ABOVE 13000, THEN ON TRACK 330.59 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO 5934, THEN CLIMB DIRECT TO CROSS CAAZZ AT OR BELOW 10000, THEN ON TRACK 322.79 TO CROSS KAYOO AT OR BELOW 11000, THEN ON TRACK 330.61 TO CROSS SHICK AT OR ABOVE 13000, THEN ON TRACK 330.59 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 35L: CLIMB ON HEADING 352.53 TO INTERCEPT COURSE 339.82 TO CROSS CAAZZ AT OR BELOW 10000, THEN ON TRACK 322.79 TO CROSS KAYOO AT OR BELOW 11000, THEN ON TRACK 330.61 TO CROSS SHICK AT OR ABOVE 13000, THEN ON TRACK 330.59 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

TAKEOFF RWY 35R: CLIMB ON HEADING 352.54 TO INTERCEPT COURSE 339.20 TO CROSS CAAZZ AT OR BELOW 10000, THEN ON TRACK 322.79 TO CROSS KAYOO AT OR BELOW 11000, THEN ON TRACK 330.61 TO CROSS SHICK AT OR ABOVE 13000, THEN ON TRACK 330.59 TO CROSS YAMMI AT OR ABOVE 17000, THENCE ...

... ON TRACK 300.34 TO DDRTH, MAINTAIN FL230 OR FILED LOWER ALTITUDE. EXPECT HIGHER FILED ALTITUDE 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:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: RWYS 16L/R, 17L/R, RADAR REQUIRED

NOTE: TAKEOFF RWYS 8, 25, 34L/R, 35L/R, RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: ACCELERATE TO 250 KT OR GREATER UPON REACHING 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS, ADVISE CLEARANCE DELIVERY PRIOR TO TAXI.

TAKEOFF MINIMUMS:

RWYS 7, 26: NA-ATC.

RWY 8: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 5934.

RWY 16L/R: STANDARD.

RWY 17L/R: STANDARD.

RWY 25: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.

RWY 34L/R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.

RWY 35L/R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.

QUALITY
18
CHECKED

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DDRTH	ONE	DDRTH1.DDRTH	NONE		26 MAR 20

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE FL 230.

REFERENCE MAG VAR: KDEN 8E EPOCH YR: 2015

DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
DENVER INTL	KDEN	DENVER	CO

COMMUNICATIONS:

D-ATIS DEP, CLNC DEL, CPDLC, DENVER DEP CON

FIXES AND/OR NAVAIDS:**REMARKS:**

INITIAL MINIMUM CLIMB GRADIENTS ARE BASED ON LNAV ENGAGEMENT.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

FLIGHT INSPECTED BY*Digitally signed by*

ALEX KRAUSE

DONALD H LANIER

Jan 27, 2020

OFFICE**DATE**

FICO

1/6/2020

DEVELOPED BY*Digitally signed by*

ROBERT GRIM

ROBERT GRIM

Jan 22, 2020

OFFICE**DATE**

AJV-A431

11/03/2019

APPROVED BY*Digitally signed by*

LONNIE EVERHART

DONALD H LANIER

Jan 27, 2020

OFFICE**DATE**

AJV-A430

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒**ALPA** ☒**AOPA** ☐**APA** ☒**HAI** ☐**NBAA** ☒**OTHER:** ZDV, DEN APP CON, CO AERO MGR, DEN APT MGR CLNC DEL, ATIS, GND, DEN ATCT, DEP CON**CHANGES - REASONS:**

ORIGINAL PROCEDURE - FPT REQUEST.

01/22/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/03/19.

1. CHANGED RWY 25 INITIAL HEADING FROM 262.48 TO 262.51 ON THE 8260-15B AND FROM 270.48 TO 270.51 ON THE 8260-15C.

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DDRTH	ONE	DDRTH1.DDRTH	NONE		26 MAR 20

2. CHANGED TAKEOFF MINIMUMS RWY 34L/R FROM RWY 34L/R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 593 TO RWY 34L/R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
DDRTH		ONE		DDRTH1.DDRTH		NONE			26 MAR 20
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 410 FT PER NM TO 5934
AT/ABOVE 5934 MSL	-	-	-	VA	090.53	-			
ROYYL	395503.47N/1042410.37W	Y	FB	DF	-	-	AT/BELOW 10000		LEFT TURN
TURBN	400321.45N/1042244.14W	Y	FB	TF	007.58	08.37			
CHICN	401131.87N/1043031.80W	Y	FB	TF	323.84	10.12	AT/ABOVE 14000		
FAARM	401757.14N/1043645.59W	Y	FB	TF	323.40	08.00	AT/ABOVE 16000		
YAMMI	404553.79N/1050404.83W	Y	FB	TF	323.43	34.84	AT/ABOVE 17000		
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.51	-			
-	-	-	-	VM	180.51	-			
RW16R (AER)	395344.87N/1044145.90W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.51	-			
-	-	-	-	VM	180.51	-			
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.54	-			
-	-	-	-	VM	180.54	-			
RW17R (AER)	394941.93N/1043937.98W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.53	-			

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DDRTH		ONE					DDRTH1.DDRTH		NONE			26 MAR 20
FIX/NAVAID		LAT/LONG		C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
-		-		-	-	VM	180.53	-				
RW25 (AER)		395026.37N/1044102.17W		N	-	-	-	-	CG 400 FT PER NM TO 5934			
AT/ABOVE 5934 MSL		-		-	-	VA	270.51	-				
MUGBE		395555.60N/1045416.43W		Y	FB	DF	-	-	AT/BELOW 10000	RIGHT TURN		
WAZEE		400054.77N/1045749.55W		Y	FB	TF	331.29	05.68				
LODOE		400641.08N/1045531.22W		Y	FB	TF	017.05	06.03	AT/ABOVE 12000			
RINKR		401157.47N/1044934.69W		Y	FB	TF	040.82	06.97	AT/ABOVE 14000			
HERDR		401857.57N/1044951.72W		Y	FB	TF	358.22	07.00	AT/ABOVE 16000			
TROTO		402640.98N/1045135.44W		Y	FB	TF	350.30	07.83				
YAMMI		404553.79N/1050404.83W		Y	FB	TF	333.71	21.43	AT/ABOVE 17000			
RW34L (AER)		395106.79N/1044147.72W		N	-	-	-	-	CG 400 FT PER NM TO 5934			
AT/ABOVE 5934 MSL		-		-	-	VA	000.51	-				
NKATA		400209.18N/1044134.45W		Y	FB	DF	-	-	AT/BELOW 10000			
KAYOO		400500.04N/1044302.19W		Y	FB	TF	338.47	03.06	AT/BELOW 11000			
SHICK		401904.66N/1045014.60W		Y	FB	TF	338.61	15.11	AT/ABOVE 13000			
YAMMI		404553.79N/1050404.83W		Y	FB	TF	338.59	28.80	AT/ABOVE 17000			
RW34R (AER)		395150.77N/1044113.88W		N	-	-	-	-	CG 400 FT PER NM TO 5934			
AT/ABOVE 5934 MSL		-		-	-	VA	000.51	-				
CAAZZ		400213.64N/1044101.05W		Y	FB	DF	-	-	AT/BELOW 10000			
KAYOO		400500.04N/1044302.19W		Y	FB	TF	330.79	03.18	AT/BELOW 11000			

QUALITY 100%

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DDRTH		ONE		DDRTH1.DDRTH		NONE			26 MAR 20
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
SHICK	401904.66N/1045014.60W	Y	FB	TF	338.61	15.11	AT/ABOVE 13000		
YAMMI	404553.79N/1050404.83W	Y	FB	TF	338.59	28.80	AT/ABOVE 17000		
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-	CG 400 FT PER NM TO 5934		
-	395658.71N/1043932.73W	-	-	VI	000.53	07.27			
CAAZZ	400213.64N/1044101.05W	Y	FB	CF	347.82	05.37	AT/BELOW 10000		
KAYOO	400500.04N/1044302.19W	Y	FB	TF	330.79	03.18	AT/BELOW 11000		
SHICK	401904.66N/1045014.60W	Y	FB	TF	338.61	15.11	AT/ABOVE 13000		
YAMMI	404553.79N/1050404.83W	Y	FB	TF	338.59	28.80	AT/ABOVE 17000		
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-	CG 400 FT PER NM TO 5934		
-	395332.96N/1043827.48W	-	-	VI	000.54	03.63			
CAAZZ	400213.64N/1044101.05W	Y	FB	CF	347.20	08.89	AT/BELOW 10000		
KAYOO	400500.04N/1044302.19W	Y	FB	TF	330.79	03.18	AT/BELOW 11000		
SHICK	401904.66N/1045014.60W	Y	FB	TF	338.61	15.11	AT/ABOVE 13000		
YAMMI	404553.79N/1050404.83W	Y	FB	TF	338.59	28.80	AT/ABOVE 17000		
TRANSITIONS									
YAMMI	404553.79N/1050404.83W	Y	*	IF	-	-	AT/ABOVE 17000	DDRTH1/DDRTH	
DDRTH	412733.07N/1061442.09W	Y	FB	TF	308.34	67.69			

