

**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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ZIMMR	THREE	ZIMMR3.ZIMMR	TWO	09/10/2020	12 AUG 21
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8: CLIMB ON HEADING 082.53 TO 5934, THEN ON HEADING 082.56 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 16L/R: CLIMB ON HEADING 172.51 TO 5934, THEN RIGHT TURN DIRECT MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 17L: CLIMB ON HEADING 172.54 TO 5934, THEN RIGHT TURN DIRECT MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 172.53 TO 5934, THEN RIGHT TURN DIRECT MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN RIGHT TURN DIRECT MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 262.80 TO CROSS MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 262.80 TO CROSS MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 352.53 TO INTERCEPT COURSE 271.00 TO CROSS MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 352.54 TO INTERCEPT COURSE 269.00 TO CROSS MUGBE AT OR BELOW 10000, THEN ON TRACK 263.79 TO CROSS RALFI AT OR ABOVE 12000, THENCE...

...ON TRACK 267.88 TO CROSS RAPDS AT OR ABOVE 14000, THEN ON TRACK 267.85 TO CROSS PCKNS AT OR ABOVE 16000, THEN ON TRACK 267.69 TO CROSS ZIMMR AT OR ABOVE 17000.
THEN ON (TRANSITION), MAINTAIN FL230 OR FILED LOWER ALTITUDE. EXPECT HIGHER FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
CHNGY	ZIMMR3.CHNGY	ZIMMR	CHNGY	TRACK 265.82	37.28	17000	15800	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: RWY 8 RADAR REQUIRED

NOTE: TAKEOFF RWYS 16L/R, 17L/R, 25, 34L/R, 35L/R - RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: ACCELERATE TO 250 KTS OR GREATER UPON REACHING 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS, ADVISE CLNC DEL PRIOR TO TAXI.

TAKEOFF MINIMUMS:

RWYS 7, 26: NA-ATC.

RWY 8: STANDARD.

RWY 16L: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 220 FT PER NM TO 14000.

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 225 FT PER NM TO 14800.

RWY 17L: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 210 FT PER NM TO 15500.

RWY 17R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 215 FT PER NM TO 14300.

RWY 25: STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 230 FT PER NM TO 15700.

RWY 34L: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 230 FT PER NM TO 14600.



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RWY 34R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 220 FT PER NM TO 15700.

RWY 35L: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 215 FT PER NM TO 14000.

RWY 35R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 210 FT PER NM TO 14500.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 16L/R, 17L/R, 25, 34L/R, 35L/R: 13702 FT MSL AAO 400135.14N/1053900.78W

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:

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

FLIGHT INSPECTED BY

SCOTT A THOMPSON

Digitally signed by
JASON KRETSCHMER
Jun 08, 2021

OFFICE **DATE**
FICO 06/04/2021

DEVELOPED BY

JASON KRETSCHMER (CHARLES THIBODEAUX)

Digitally signed by
JASON KRETSCHMER
May 04, 2021

OFFICE **DATE**
AJV-A421 03/01/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
May 04, 2021

OFFICE **DATE** **TITLE**
AJV-A420 MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV, DEN APP CON, CO AERO MGR, DEN APT MGR, DEN ATCT, DEP CON

CHANGES - REASONS:

- CHANGED RWY 34 L/R TAKEOFF ROUTE DESCRIPTION FROM "CLIMB ON HEADING 352.51 TO 5934, THEN LEFT TURN DIRECT MUGBE" TO "CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 262.80 TO CROSS MUGBE" - ATC REQUEST TO PROTECT ADJACENT PROCEDURE.

- CHANGED CONTROLLING OBSTACLE FROM 13702 MSL AAO 400135.94N/1053902.92W TO 13702 FT MSL AAO 400135.14N/1053900.78W - NEW TARGETS EVALUATION.



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- CHANGED RWY 16R TAKEOFF MINIMUMS FROM 220 FT PER NM TO 14800 TO 225 FT PER NM TO 14800 - NEW TARGETS EVALUATION.
- CHANGED RWY 17L TAKEOFF MINIMUMS FROM 205 FT PER NM TO 15500 TO 210 FT PER NM TO 15500 - NEW TARGETS EVALUATION.
- CHANGED RWY 17R TAKEOFF MINIMUMS FROM 210 FT PER NM TO 14300 TO 215 FT PER NM TO 14300 - NEW TARGETS EVALUATION.
- CHANGED RWY 25 TAKEOFF MINIMUMS FROM 230 FT PER NM TO 15400 TO 230 FT PER NM TO 15700 - NEW TARGETS EVALUATION.
- CHANGED RWY 34L TAKEOFF MINIMUMS FROM 225 FT PER NM TO 14600 TO 230 FT PER NM TO 14600 - NEW TARGETS EVALUATION.
- CHANGED RWY 34R TAKEOFF MINIMUMS FROM 220 FT PER NM TO 15500 TO 220 FT PER NM TO 15700 - NEW TARGETS EVALUATION.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE		
ZIMMR				THREE		ZIMMR3.ZIMMR		TWO		09/10/2020		12 AUG 21		
FIX/NAVAID		LAT/LONG		C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE		SPEED		REMARKS	
RW08 (AER)		395239.20N/1043944.03W		N	-	-	-	-						
5934 MSL		-		-	-	VA	090.53	-	AT/ABOVE 5934					
-		-		-	-	VM	090.56	-						
RW16L (AER)		395349.33N/1044112.50W		N	-	-	-	-					CG 400 FT PER NM TO 5934	
5934 MSL		-		-	-	VA	180.51	-	AT/ABOVE 5934				CG 220 FT PER NM TO 14000	
MUGBE		395555.60N/1045416.43W		Y	FB	DF	-	-	AT/BELOW 10000				RIGHT TURN	
RALFI		395621.49N/1051318.63W		Y	FB	TF	271.79	14.65	AT/ABOVE 12000					
RW16R (AER)		395344.87N/1044145.90W		N	-	-	-	-					CG 400 FT PER NM TO 5934	
5934 MSL		-		-	-	VA	180.51	-	AT/ABOVE 5934				CG 225 FT PER NM TO 14800	
MUGBE		395555.60N/1045416.43W		Y	FB	DF	-	-	AT/BELOW 10000				RIGHT TURN	
RALFI		395621.49N/1051318.63W			FB	TF	271.79	14.65	AT/ABOVE 12000					
RW17L (AER)		395153.83N/1043828.70W		N	-	-	-	-					CG 400 FT PER NM TO 5934	
5934 MSL		-		-	-	VA	180.54	-	AT/ABOVE 5934				CG 210 FT PER NM TO 15500	
MUGBE		395555.60N/1045416.43W		Y	FB	DF	-	-	AT/BELOW 10000				RIGHT TURN	
RALFI		395621.49N/1051318.63W		Y	FB	TF	271.79	14.65	AT/ABOVE 12000					
RW17R (AER)		395140.48N/1043936.56W		N	-	-	-	-					CG 400 FT PER NM TO 5934	
5934 MSL		-		-	-	VA	180.53	-	AT/ABOVE 5934				CG 215 FT PER NM TO 14300	
MUGBE		395555.60N/1045416.43W		Y	FB	DF	-	-	AT/BELOW 10000				RIGHT TURN	

QUALITY

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QUALITY
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CHECKED

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
ZIMMR		THREE		ZIMMR3.ZIMMR		TWO		09/10/2020	12 AUG 21
<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>
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-		CG 425 FT PER NM TO 5934	
5934 MSL	-	-	-	VA	270.51	-	AT/ABOVE 5934		CG 230 FT PER NM TO 15700
MUGBE	395555.60N/1045416.43W	Y	FB	DF	-	-	AT/BELOW 10000		RIGHT TURN
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-		CG 400 FT PER NM TO 5934	
	395546.84N/1044144.49W	-	-	VI	000.51	4.66		CG 230 FT PER NM TO 14600	
MUGBE	395555.60N/1045416.43W	Y	FB	CF	270.80	-	AT/BELOW 10000		
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-		CG 400 FT PER NM TO 5934	
	395546.42N/1044111.15W	-	-	VI	000.51	3.92		CG 220 FT PER NM TO 15700	
MUGBE	395555.60N/1045416.43W	Y	FB	CF	270.80	-	AT/BELOW 10000		
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-		CG 400 FT PER NM TO 5934	
-	395407.12N/1043934.79W	-	-	VI	000.53	4.42		CG 215 FT PER NM TO 14000	
MUGBE	395555.60N/1045416.43W	Y	FB	CF	279.00	11.45	AT/BELOW 10000		
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-		CG 400 FT PER NM TO 5934	
-	395424.73N/1043826.85W	-	-	VI	000.54	4.49		CG 210 FT PER NM TO 14500	

QUALITY
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ZIMMR		THREE		ZIMMR3.ZIMMR		TWO		09/10/2020	12 AUG 21
<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>
MUGBE	395555.60N/1045416.43W	Y	FB	CF	277.00	12.27	AT/BELOW 10000		
RALFI	395621.49N/1051318.63W	Y	FB	TF	271.79	14.65	AT/ABOVE 12000		
RALFI	395621.49N/1051318.63W	Y	-	IF	-		AT/ABOVE 12000		
RAPDS	395709.27N/1052327.57W	Y	FB	TF	275.88	7.85	AT/ABOVE 14000		
PCKNS	395754.80N/1053309.94W	Y	FB	TF	275.85	7.50	AT/ABOVE 16000		
ZIMMR	395824.42N/1053938.41W	Y	FB	TF	275.69	5.00	AT/ABOVE 17000		
ZIMMR	395824.42N/1053938.41W	Y	-	IF	-	-	AT/ABOVE 17000	ZIMMR3.CHNGY	
CHNGY	400043.48N/1062803.36W	Y	FB	TF	273.82	37.28			

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