

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HHOTH	TWO	HHOTH2.HHOTH	ONE	03/26/2020	10 SEP 20

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8: CLIMB ON HEADING 082.53 TO 5934, THEN LEFT TURN DIRECT ROYYL AT OR BELOW 10000, THEN ON TRACK 359.58 TO TURBN, THEN ON TRACK 315.84 TO CROSS CHICN AT OR ABOVE 14000, THEN ON TRACK 358.67 TO CROSS KKIMM AT OR ABOVE 16000, THEN ON TRACK 358.32 TO CROSS BRYCC AT OR ABOVE 17000, THENCE...

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

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN RIGHT TURN DIRECT 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 024.45 TO CROSS TAGKO AT OR ABOVE 16000, THEN ON TRACK 024.49 TO CROSS BRYCC AT OR ABOVE 17000, THENCE...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO 5934, THEN DIRECT NKATA AT OR BELOW 10000, THEN ON TRACK 358.95 TO HAWKR, THEN ON TRACK 011.66 TO CROSS CCLYD AT OR ABOVE 13000, THEN ON TRACK 011.52 TO CROSS BRYCC AT OR ABOVE 17000, THENCE...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO 5934, THEN DIRECT CAAZZ AT OR BELOW 10000, THEN ON TRACK 355.61 TO HAWKR, THEN ON TRACK 011.66 TO CROSS CCLYD AT OR ABOVE 13000, THEN ON TRACK 011.52 TO CROSS BRYCC 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 355.61 TO HAWKR, THEN ON TRACK 011.66 TO CROSS CCLYD AT OR ABOVE 13000, THEN ON TRACK 011.52 TO CROSS BRYCC AT OR ABOVE 17000, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 352.54 TO INTERCEPT COURSE 339.30 TO CROSS CAAZZ AT OR BELOW 10000, THEN ON TRACK 355.61 TO HAWKR, THEN ON TRACK 011.66 TO CROSS CCLYD AT OR ABOVE 13000, THEN ON TRACK 011.52 TO CROSS BRYCC AT OR ABOVE 17000, THENCE...

...ON TRACK 018.40 TO HHOTH. 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
JOBBA	HHOTH2.JOBBA	HHOTH	JOBBA	TRACK 031.61	41.59	17000	7700	
SAABR	HHOTH2.SAABR	HHOTH	SAABR	TRACK 004.04	42.91	17000	7900	

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



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TAKEOFF MINIMUMS:
RWY 7, 26: NA-ATC.
RWY 8: STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5934.
RWY 16L/R, 17L/R: STANDARD.
RWY 35L/R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.
RWY 25: STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 5934.
RWY 34L/R: STANDARD WITH MINIMUM CLIMB OF 440 FT PER NM TO 5934.

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:
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 03, 2018 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

DEVELOPED BY *Digitally signed by*
ANDREA CHANEY **ANDREA J CHANEY**
May 05, 2020

OFFICE **DATE** *Digitally signed by*
 DAVID TEFFETELLER
 Jun 01, 2020

OFFICE **DATE**
AJV-A433 05/05/2020

APPROVED BY
GEORGE DAVIS *Digitally signed by* **OFFICE** **DATE** **TITLE**
 DAVID TEFFETELLER AJV-A430 MANAGER
 Jun 01, 2020

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
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A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER: ZDV, DEN APP CON, CO AERO MGR, DEN APT MGR, DEN ATCT, DEP CON

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION CHANGED TO READ: ...ON TRACK 018.40 TO HHOTH. THEN ON (TRANSITION), MAINTAIN FL230 OR FILED LOWER ALTITUDE. EXPECT HIGHER FILED ALTITUDE TEN MINUTES AFTER DEPARTURE - TO CLEAR NOTAM PER FPT REQUEST FOR DEPARTURE WORDING MODIFICATION.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
HHOTH				TWO		HHOTH2.HHOTH		ONE		03/26/2020		10 SEP 20	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 405 FT PER NM TO 5934				
5934 MSL	-	-	-	VA	090.53	-	AT/ABOVE 5934						
ROYYL	395503.47N/1042410.37W	Y	FB	DF	-	-	AT/BELOW 10000		LEFT TURN				
TURBN	400321.45N/1042244.14W	Y	FB	TF	007.58	8.37							
CHICN	401131.87N/1043031.80W	Y	FB	TF	323.84	10.12	AT/ABOVE 14000						
KKIMM	401928.07N/1042919.07W	Y	FB	TF	006.67	7.99	AT/ABOVE 16000						
BRYCC	403943.89N/1042622.28W	Y	FB	TF	06.32	20.37	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)	395140.48N/1043936.56W	N	-	-	-	-							
5934 MSL	-	-	-	VA	180.53	-							

QUALITY

16

QUALITY
16
CHECKED

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
HHOTH		TWO		HHOTH2.HHOTH		ONE		03/26/2020	10 SEP 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 425 FT PER NM TO 5934
5934 MSL	-	-	-	VA	270.51	-	AT/ABOVE 5934		
MUGBE	395555.60N/1045416.43W	Y	FB	DF	-	-	AT/BELOW 10000		RIGHT TURN
WAZEE	400054.77N/1045749.55W	Y	FB	TF	331.29	5.68			
LODOE	400641.08N/1045531.22W	Y	FB	TF	017.05	6.03	AT/ABOVE 12000		
RINKR	401157.47N/1044934.69W	Y	FB	TF	040.82	6.97	AT/ABOVE 14000		
TAGKO	401842.87N/1044357.79W	Y	FB	TF	032.45	8.00	AT/ABOVE 16000		
BRYCC	403943.89N/1042622.28W	Y	FB	TF	032.49	24.93	AT/ABOVE 17000		
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			CG 440 FT PER NM TO 5934
5934 MSL	-	-	-	VA	000.51	-	AT/ABOVE 5934		
NKATA	400218.19N/1044134.24W	Y	FB	DF	-	-	AT/BELOW 10000		
HAWKR	400936.29N/1044024.67W	Y	FB	TF	006.95	7.35			
CCLYD	401758.12N/1043630.49W	Y	FB	TF	019.66	8.88	AT/ABOVE 13000		
BRYCC	403943.89N/1042622.28W	Y	FB	TF	019.52	23.08	AT/ABOVE 17000		
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 440 FT PER NM TO 5934
5934 MSL	-	-	-	VA	000.51	-	AT/ABOVE 5934		
CAAZZ	400213.64N/1044101.05W	Y	FB	DF	-	-	AT/BELOW 10000		
HAWKR	400936.29N/1044024.67W	Y	FB	TF	003.61	7.39			
CCLYD	401758.12N/1043630.49W	Y	FB	TF	019.66	8.88	AT/ABOVE 13000		
BRYCC	403943.89N/1042622.28W	Y	FB	TF	019.52	23.08	AT/ABOVE 17000		



<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HHOTH		TWO		HHOTH2.HHOTH		ONE		03/26/2020	10 SEP 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>
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-	CG 400 FT PER NM TO 5934		
-	395658.71N/1043932.73W	-	-	VI	000.53	7.27			
CAAZZ	400213.64N/1044101.05W	Y	FB	CF	347.82	5.37	AT/BELOW 10000		
HAWKR	400936.29N/1044024.67W	Y	FB	TF	003.61	7.39			
CCLYD	401758.12N/1043630.49W	Y	FB	TF	019.66	8.88	AT/ABOVE 13000		
BRYCC	403943.89N/1042622.28W	Y	FB	TF	019.52	23.08	AT/ABOVE 17000		
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-	CG 400 FT PER NM TO 5934		
-	395328.88N/1043827.53W	-	-	VI	000.54	3.55			
CAAZZ	400213.64N/1044101.05W	Y	FB	CF	347.30	8.96	AT/BELOW 10000		
HAWKR	400936.29N/1044024.67W	Y	FB	TF	003.61	7.39			
CCLYD	401758.12N/1043630.49W	Y	FB	TF	019.66	8.88	AT/ABOVE 13000		
BRYCC	403943.89N/1042622.28W	Y	FB	TF	19.52	23.08	AT/ABOVE 17000		
BRYCC	403943.89N/1042622.28W	Y	-	IF	-	-	AT/ABOVE 17000		
HHOTH	410541.59N/1040919.36W	Y	FB	TF	026.40	28.99			
HHOTH	410541.59N/1040919.36W	Y	-	IF	-	-	HHOTH2.JOBBA		
JOBBA	413739.80N/1033357.72W	Y	FB	TF	039.61	41.59			
HHOTH	410541.59N/1040919.36W	Y	-	IF	-	-	HHOTH2.SAABR		
SAABR	414740.01N/1035721.50W	Y	FB	TF	012.04	42.91			

