

**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SUPERSEDED NUMBER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>
SABTH		ONE	SABTH1.SABTH	NONE		
<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 checked="" type="checkbox"/>	

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8: CLIMB ON HEADING 082.53 TO 5934, THEN RIGHT TURN DIRECT KIDNG AT OR BELOW 10000, THEN ON TRACK 155.43 TO TWWIN, THEN ON TRACK 194.10 TO CROSS FIGTR AT OR ABOVE 14000, THEN ON TRACK 183.38 TO CROSS PACMN AT OR ABOVE 16000, THEN ON TRACK 183.36 TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 16L/R: CLIMB ON HEADING 172.51 TO INTERCEPT COURSE 162.48 TO CROSS BOGEI AT OR BELOW 10000, THEN ON TRACK 163.39 TO CROSS JSMNN AT OR ABOVE 17000, THEN ON TRACK 164.18 TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 17L: CLIMB ON HEADING 172.54 TO 5934, THEN DIRECT RAYDR AT OR BELOW 10000, THEN ON TRACK 165.21 TO CROSS JSMNN AT OR ABOVE 17000, THEN ON TRACK 164.18 TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 172.53 TO 5934, THEN DIRECT BOGEI AT OR BELOW 10000, THEN ON TRACK 163.39 TO CROSS JSMNN AT OR ABOVE 17000, THEN ON TRACK 164.18 TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN LEFT TURN DIRECT BRKEM AT OR BELOW 10000, THEN ON TRACK 187.80 TO CROSS LENNN AT OR ABOVE 10000, THEN ON TRACK 160.37 TO TIKLR, THEN ON TRACK 143.63 TO CROSS CIROS AT OR ABOVE 14000, THEN ON TRACK 144.52 TO CROSS ICECI AT OR ABOVE 16000, THEN ON TRACK 144.57 TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO 5934, THEN ON HEADING 352.50 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO 5934, THEN ON HEADING 352.51 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 352.53 TO 5934, THEN ON HEADING 352.53 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 352.54 TO 5934, THEN ON HEADING 352.54 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS SHOJO AT OR ABOVE FL180, THENCE...

...ON TRACK 165.43 TO SABTH. THEN ON (TRANSITION), MAINTAIN FL230. 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>
VRONI	SABTH1.VRONI	SABTH	VRONI	TRACK 139.31	83.86	18000	7800	
JOPLN	SABTH1.JOPLN	SABTH	JOPLN	TRACK 159.97	64.46	18000	8200	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: RWYS 34L/R, 35L/R RADAR REQUIRED.

NOTE: TAKEOFF RWYS 8, 16L/R, 17L/R, 25-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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SABTH	ONE	SABTH1.SABTH	NONE		

TAKEOFF MINIMUMS:

RWYS 7, 26: NA-ATC.

RWY 17L/R, 34L/R, 35L/R: STANDARD.

RWY 8: STANDARD WITH MINIMUM CLIMB OF 475 FT PER NM TO 5934.

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

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 5934.

RWY 25: STANDARD WITH MINIMUM CLIMB OF 415 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

ALEX KRAUSE

Digitally signed by
DONALD H LANIER
Jan 27, 2020

OFFICE

FICO

DATE

1/9/2020

DEVELOPED BY

JACOB MAXFIELD

Digitally signed by
JACOB MAXFIELD
Jan 22, 2020

OFFICE

AJV-A431

DATE

10/18/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
DONALD H LANIER
Jan 27, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

QUALITY
18
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>
SABTH	ONE	SABTH1.SABTH	NONE		

A4A

ALPA

AOPA

APA

HAI

NBAA

OTHER: ZDV, DEN APP CON, CO AERO MGR, DEN APT MGR, DEN ATCT, DEP CON

CHANGES - REASONS:

1/22/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/18/19.
1. CHANGED THE DP COMPUTER CODE FROM "SABTH1" TO "SABTH1.SABTH"



**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>
SABTH		ONE		SABTH1.SABTH		NONE			
<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 475 FT PER NM TO 5934
5934 MSL	-	-	-	VA	090.53	-	AT/ABOVE 5934		
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000		RIGHT TURN
TWWIN	394245.16N/1042123.78W	Y	FB	TF	163.43	6.12			
FIGTR	393132.09N/1042716.67W	Y	FB	TF	202.10	12.09	AT/ABOVE 14000		
PACMN	392341.10N/1042918.85W	Y	FB	TF	191.38	8.00	AT/ABOVE 16000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	191.36	17.14	AT/ABOVE FL180		
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			CG 400 FT PER NM TO 5934
-	394548.31N/1044118.06W	-	-	VI	180.51	8.01			
BOGEI	393843.97N/1043945.85W	Y	FB	CF	170.48	7.17	AT/BELOW 10000		
JSMNN	391137.35N/1043429.31W	Y	FB	TF	171.39	27.39	AT/ABOVE 17000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	172.18	4.79	AT/ABOVE FL180		
RW16R (AER)	395344.87N/1044145.90W	N	-	-	-	-			CG 380 FT PER NM TO 5934
-	394813.64N/1044149.71W	-	-	VI	180.51	5.51			
BOGEI	393843.97N/1043945.85W	Y	FB	CF	170.48	9.62	AT/BELOW 10000		
JSMNN	391137.35N/1043429.31W	Y	FB	TF	171.39	27.39	AT/ABOVE 17000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	172.18	4.79	AT/ABOVE FL180		
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.54	-			

QUALITY
18
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>
SABTH		ONE		SABTH1.SABTH		NONE			
<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>
RAYDR	393844.03N/1043838.33W	Y	FB	DF	-	-	AT/BELOW 10000		
JSMNN	391137.35N/1043429.31W	Y	FB	TF	173.21	27.28	AT/ABOVE 17000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	172.18	4.79	AT/ABOVE FL180		
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-			
5934 MSL	-	-	-	VA	180.53	-	AT/ABOVE 5934		
BOGEI	393843.97N/1043945.85W	Y	FB	DF	-	-	AT/BELOW 10000		
JSMNN	391137.35N/1043429.31W	Y	FB	TF	171.39	27.39	AT/ABOVE 17000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	172.18	4.79	AT/ABOVE FL180		
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-		CG 415 FT PER NM TO 5934	
5934 MSL	-	-	-	VA	270.51	-	AT/ABOVE 5934		
BRKEM	394632.24N/1045413.25W	Y	FB	DF	-	-	AT/BELOW 10000	LEFT TURN	
LENNN	394232.45N/1045541.10W	Y	FB	TF	195.80	4.15	AT/ABOVE 10000		
TIKLR	393734.30N/1045421.73W	Y	FB	TF	168.37	5.07			
CIROS	392959.92N/1044905.10W	Y	FB	TF	151.63	8.60	AT/ABOVE 14000		
ICECI	392253.62N/1044419.42W	Y	FB	TF	152.52	8.00	AT/ABOVE 16000		
SHOJO	390652.06N/1043339.04W	Y	FB	TF	152.57	18.03	AT/ABOVE FL180		
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			
5934 MSL	-	-	-	VA	000.51	-			
-	-	-	-	VM	000.50	-			
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			



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SABTH		ONE		SABTH1.SABTH		NONE			
<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>
5934 MSL	-	-	-	VA	000.51	-			
-	-	-	-	VM	000.51	-			
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-			
5934 MSL	-	-	-	VA	000.53	-			
-	-	-	-	VM	000.53	-			
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-			
5934 MSL	-	-	-	VA	000.54	-			
-	-	-	-	VM	000.54	-			
SHOJO	390652.06N/1043339.04W	Y	-	IF	-	-	AT/ABOVE FL180		
SABTH	382745.86N/1042755.30W	Y	-	TF	173.43	39.32			
SABTH	382745.86N/1042755.30W	Y	-	IF	-	-		SABTH1.VRONI	
VRONI	371652.72N/1033110.19W	Y	-	TF	147.31	83.86			
SABTH	382745.86N/1042755.30W	Y	-	IF	-	-		SABTH1.JOPLN	
JOPLN	372437.63N/1041103.71W	Y	-	TF	167.97	64.46			

