

**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SUPERSEDED NUMBER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>
EEONS	EIGHT	EEONS8.WYNDM	SEVEN	01/30/2020	17 JUN 21
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8: CLIMB ON HEADING 082.53 TO INTERCEPT COURSE 065.89 TO CROSS ROYYL AT/BELOW 10000, THEN ON TRACK 066.06/11.98 TO CROSS SHOBO AT/BELOW 12000, THEN ON TRACK 073.86/10.74 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 16L: CLIMB ON HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT/ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT/BELOW 10000, THEN ON TRACK 054.41/12.95 TO KAYGG, THEN ON TRACK 055.02/11.54 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 16R: CLIMB ON HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT/ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT/BELOW 10000, THEN ON TRACK 054.41/12.95 TO KAYGG, THEN ON TRACK 055.02/11.54 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 17L: CLIMB ON HEADING 172.54 TO INTERCEPT COURSE 127.46 TO CROSS GISTT AT/ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT/BELOW 10000, THEN ON TRACK 054.41/12.95 TO KAYGG, THEN ON TRACK 055.02/11.54 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 17R: CLIMB ON HEADING 172.53 TO INTERCEPT COURSE 117.95 TO CROSS GISTT AT/ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT/BELOW 10000, THEN ON TRACK 054.41/12.95 TO KAYGG, THEN ON TRACK 055.02/11.54 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 059.00 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 076.71/11.51 TO CROSS SHOBO AT/BELOW 12000, THEN ON TRACK 073.86/10.74 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 059.00 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 076.71/11.51 TO CROSS SHOBO AT/BELOW 12000, THEN ON TRACK 073.86/10.74 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 35L: CLIMB ON HEADING 352.53 TO INTERCEPT COURSE 024.97 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 076.71/11.51 TO CROSS SHOBO AT/BELOW 12000, THEN ON TRACK 073.86/10.74 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 35R: CLIMB ON HEADING 352.54 TO INTERCEPT COURSE 016.98 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 076.71/11.51 TO CROSS SHOBO AT/BELOW 12000, THEN ON TRACK 073.86/10.74 TO CROSS LUPTN AT/ABOVE 14000, THENCE ...

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN CONTINUE CLIMB ON HEADING 262.51 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO EEONS, THENCE ...

ON DEPICTED ROUTE TO WYNDM, MAINTAIN FL230 OR LOWER FILED ALTITUDE. EXPECT HIGHER FILED ALTITUDE 10 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>

QUALITY
8
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EEONS	EIGHT	EEONS8.WYNDM	SEVEN	01/30/2020	17 JUN 21

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: TAKEOFF RWY 8, 16L, 16R, 17L, 17R, 34L, 34R, 35L, 35R - RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: RWY 25 DEPARTURES - RADAR REQUIRED.

NOTE: ACCELERATE TO 250 KIAS OR GREATER UPON REACHING 10,000. 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 WITH MINIMUM CLIMB OF 420 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 260 FT PER NM TO 14000.

RWY 16L: STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 14000.

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 245 FT PER NM TO 14000.

RWY 17L: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 280 FT PER NM TO 14000.

RWY 17R: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 250 FT PER NM TO 14000.

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

RWY 34L, 34R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 230 FT PER NM TO 14000.

RWY 35L: STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 8400.

RWY 35R: STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 230 FT PER NM TO 14000.

TAKEOFF OBSTACLES NOTES:

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

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

REFERENCE MAG VAR: KDEN 8E EPOCH YR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: TOP ALTITUDE: FL230.

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON EEONS (IF), CW

FROM: POINT A (BEARING 025 DEGREES TO EEONS)

TO: POINT B (BEARING 114 DEGREES TO EEONS)

MINIMUM ALTITUDE 14000

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, DEN DEP CON

FIXES AND/OR NAVAIDS:

MRENE



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REMARKS:

ABBREVIATED AMENDMENT

CLIMB GRADIENTS ARE FOR FMS ENGAGEMENT AT SPECIFIC LOCATIONS AND FOR WP CROSSING RESTRICTIONS.

THE AIRLINE INDUSTRY HAS REQUESTED BLOCK ALTITUDES NOT BE PUBLISHED ON THE PROCEDURE. WAIVER ON FILE TO REMOVE AT/ABOVE ALTITUDES ASSOCIATED WITH CROSS AT OR BELOW ALTITUDES.

ATC HAS REQUESTED TO DEVIATE FROM THE STANDARD NAMING CONVENTION CONTAINED IN FAAO 8260.46. SID NAMES CORRESPOND WITH WAYPOINT NAMES AT OUTER BOUNDARY OF DENVER TRACON/ARTCC AIRSPACE. WAIVER APPROVED AND ON FILE.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020
SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

*Digitally signed by***ALLAN WILL**

Mar 08, 2021

OFFICEDATE**DEVELOPED BY**

MICHAEL R. GARRITY JR *Digitally signed by*
MICHAEL GARRITY
Feb 18, 2021

OFFICEDATE

AJV-A423

01/11/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Mar 08, 2021

OFFICEDATE

AJV-A420

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. REMOVED DP ROUTE DESCRIPTIONS, PROCEDURAL DATA NOTES, TAKEOFF MINIMUMS, TAKEOFF OBSTACLE NOTES, AND CONTROLLING OBSTACLES FOR SATELLITE AIRPORTS KAPA, KBJC, KFNL, AND KFCO - FPT REQUEST PER FAA CATEx DECLARATION.
2. CHANGED PROCEDURE DATA NOTE FROM "ACCELERATE TO AT OR ABOVE 250 KNOTS ABOVE 10000..." TO "ACCELERATE TO 250 KIAS OR GREATER UPON REACHING 10,000.." - FPT REQUEST PER FAA CATEx DECLARATION/IMPROVED WORDING TO REDUCE INDUSTRY CONFUSION.

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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
EEONS						EIGHT	EEONS8.WYNDM	SEVEN	01/30/2020	17 JUN 21
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 420 FT PER NM TO 5934 THEN CG 260 FT PER NM TO 14000	
	395237.21N/1043510.27W	-	-	VI	090.53	3.51				
ROYYL	395503.47N/1042410.37W	Y	FB	CF	073.89	8.81	AT/BELOW 10000			
SHOBO	395819.97N/1040911.53W	Y	FB	TF	074.06	11.98	AT/BELOW 12000			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000			
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00				
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20				
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00				
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			CG 245 FT PER NM TO 14000	
	395011.86N/1044115.02W	-	-	VI	180.51	3.62				
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	5.94	AT/ABOVE 7000			
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000			
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95				
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000			
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00				
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20				
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00				
RW16R (AER)	395344.87N/1044145.90W	N	-	-	-	-			CG 450 FT PER NM TO 5934 THEN CG 245 FT PER NM TO 14000	
	394945.61N/1044148.66W	-	-	VI	180.51	3.98			CG 245 FT PER NM TO 14000	
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	6.47	AT/ABOVE 7000			

QUALITY 8

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EEONS		EIGHT		EEONS8.WYNDM		SEVEN		01/30/2020	17 JUN 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>
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-	CG 465 FT PER NM TO 5934 THEN CG 280 FT PER NM TO 14000		
	394842.21N/1043831.05W	-	-	VI	180.54	3.19			
GISTT	394557.50N/1043501.10W	Y	FB	CF	135.46	3.85	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-	CG 465 FT PER NM TO 5934 THEN CG 250 FT PER NM TO 14000		
	394833.02N/1043938.81W	-	-	VI	180.53	3.12			
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.95	4.41	AT/ABOVE 7000		
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
KAYGG	395436.80N/1040844.77W	Y	FB	TF	062.41	12.95			
LUPTN	395950.43N/1035521.77W	Y	FB	TF	063.02	11.54	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			

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EEONS		EIGHT		EEONS8.WYNDM		SEVEN		01/30/2020	17 JUN 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>
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-			CG 400 FT PER NM TO 5934
5934 MSL		-	-	VA	270.51	-			
		-	-	VM	270.51	-			
EEONS	400117.62N/1034611.04W	Y	FB	DF	-	-			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			
	395515.28N/1044144.84W	-	-	VI	000.51	4.14			CG 500 FT PER NM TO 5934 THEN CG 230 FT PER NM TO 14000
NUGGS	395655.57N/1043638.33W	Y	FB	CF	067.00	4.27			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN CG 230 FT PER NM TO 14000
	395526.24N/1044111.39W	-	-	VI	000.51	3.59			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	067.00	3.80			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		

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EEONS		EIGHT		EEONS8.WYNDM		SEVEN		01/30/2020	17 JUN 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>
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-	CG 320 FT PER NM TO 8400		
	395325.62N/1043935.30W	-	-	VI	000.53	3.73			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	032.97	4.17			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-	CG 300 FT PER NM TO 5934 THEN CG 230 FT PER NM TO 14000		
	395355.72N/1043827.21W	-	-	VI	000.54	4.00			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	024.98	3.30			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
SHOBO	395819.97N/1040911.53W	Y	FB	TF	084.71	11.51	AT/BELOW 12000		
LUPTN	395950.43N/1035521.77W	Y	FB	TF	081.86	10.74	AT/ABOVE 14000		
MRENE	400026.83N/1035132.37W	Y	FB	TF	078.32	3.00			
EEONS	400117.62N/1034611.04W	Y	FB	TF	078.36	4.20			
WYNDM	402259.60N/1012526.20W	Y	FB	TF	077.88	110.00			

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