

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN	TWO	EXTAN2.SHAYK	ONE	1/10/13	7 MAR 2013

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**DENVER INTL:**

TAKEOFF RWY 8: CLIMB HEADING 082.53 TO INTERCEPT COURSE 105.56 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 083.54 TO KMBEL, THEN ON TRACK 090.29 TO BHIGH, THEN ON TRACK 089.85 TO CROSS MMESA AT/ABOVE 14000, THENCE...

TAKEOFF RWY16L: CLIMB HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 081.07 TO CROSS BGONE AT OR BELOW 10000, THEN ON TRACK 082.43 TO OLDDD, THEN ON TRACK 082.62 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY16R: CLIMB HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 081.07 TO CROSS BGONE AT OR BELOW 10000, THEN ON TRACK 082.43 TO OLDDD, THEN ON TRACK 082.62 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 17L: CLIMB HEADING 172.54 TO INTERCEPT COURSE 127.46 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 081.07 TO CROSS BGONE AT OR BELOW 10000, THEN ON TRACK 082.43 TO OLDDD, THEN ON TRACK 082.62 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 17R: CLIMB HEADING 172.53 TO INTERCEPT COURSE 117.95 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 081.07 TO CROSS BGONE AT OR BELOW 10000, THEN ON TRACK 082.43 TO OLDDD, THEN ON TRACK 082.62 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

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

TAKEOFF RWY 34L: CLIMB HEADING 352.51 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 083.54 TO KMBEL, THEN ON TRACK 090.29 TO BHIGH, THEN ON TRACK 089.85 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 34R: CLIMB HEADING 352.51 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 083.54 TO KMBEL, THEN ON TRACK 090.29 TO BHIGH, THEN ON TRACK 089.85 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 35L: CLIMB HEADING 352.53 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 083.54 TO KMBEL, THEN ON TRACK 090.29 TO BHIGH, THEN ON TRACK 089.85 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

TAKEOFF RWY 35R: CLIMB HEADING 352.54 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 083.54 TO KMBEL, THEN ON TRACK 090.29 TO BHIGH, THEN ON TRACK 089.85 TO CROSS MMESA AT OR ABOVE 14000, THENCE...

...ON DEPICTED ROUTE TO SHAYK. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**CENTENNIAL:**

TAKEOFF RWY 17L /17R, CLIMB HEADING 169.95 TO 6400, THEN CONTINUE CLIMB HEADING 169.95 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35L /35R, CLIMB HEADING 349.95 to 6400, THEN CONTINUE CLIMB HEADING 349.95 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO EXTAN, THEN ON DEPICTED ROUTE TO SHAYK. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.



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EXTAN	TWO	EXTAN2.SHAYK	ONE	1/10/13	7 MAR 2013

**ROCKY MOUNTAIN METROPOLITAN:**

TAKEOFF RWY 11L, 11R: CLIMB HEADING BETWEEN 150 CCW 350 AS ASSIGNED BY ATC. THENCE...

TAKEOFF RWY 29L, 29R, CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 113 AS ASSIGNED BY ATC. THENCE...

...EXPECT RADAR VECTORS TO EXTAN, THEN ON DEPICTED ROUTE TO SHAYK. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**FORT COLLINS-LOVELAND MUNI:**

TAKEOFF RWY 15, CLIMB HEADING BETWEEN 180 CCW 350 AS ASSIGNED BY ATC. THENCE...

TAKEOFF RWY 33, CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 150 AS ASSIGNED BY ATC. THENCE...

...EXPECT RADAR VECTORS TO EXTAN, THEN ON DEPICTED ROUTE TO SHAYK. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**FRONT RANGE:**

TAKEOFF RWY 8, CLIMB HEADING 083.15 TO 6020, THEN CONTINUE CLIMB HEADING 083.15 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 17, CLIMB HEADING 171.99 TO 6020, THEN CONTINUE CLIMB HEADING 171.99 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 26, CLIMB HEADING 263.17 TO 6020, THEN CONTINUE CLIMB HEADING 263.17 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35, CLIMB HEADING 351.99 TO 6020, THEN CONTINUE CLIMB HEADING 351.99 OR AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO EXTAN, THEN ON DEPICTED ROUTE TO SHAYK. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

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

NOTE: DENVER INTL AIRPORT - RWY 25 DEPARTURES – RADAR REQUIRED.

NOTE: ROCKY MOUNTAIN METROPOLITAN AIRPORT, FORT COLLINS-LOVELAND MUNICIPAL AIRPORT, FRONT RANGE AIRPORT AND CENTENNIAL AIRPORT - RADAR REQUIRED.

NOTE: ACCELERATE TO AT OR ABOVE 250 KNOTS ABOVE 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS, ADVISE ATC PRIOR TO DEPARTURE.

NOTE: FOR NON GPS EQUIPPED AIRCRAFT TXC DME MUST BE OPERATIONAL.

**TAKEOFF MINIMUMS:****DENVER INTL:**

RWY 7, 26, NA - ATC

RWY 8, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 260 FT PER NM TO 14000.

QUALITY  
CHECKED

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EXTAN	TWO	EXTAN2.SHAYK	ONE	1/10/13	7 MAR 2013

RWY 16L, STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 14000.  
 RWY16R, STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 225 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, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 220 FT PER NM TO 14000.  
 RWY 34R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 230 FT PER NM TO 14000.  
 RWY35L, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 240 FT PER NM TO 14000.  
 RWY35R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 240 FT PER NM TO 14000.  
**CENTENNIAL:**  
 RWY 10, 28, NA – ATC  
 RWY 35L,35R, STANDARD  
 RWY 17L, STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 8000.  
 RWY 17R, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 8000.  
**ROCKY MOUNTAIN METROPOLITAN:**  
 RWY 2, 20: NA – ATC  
 RWY 11R, 11L, 29R, STANDARD.  
 RWY 29L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5900.  
**FORT COLLINS-LOVELAND MUNI:**  
 RWY 6, 24, NA – VFR RUNWAY.  
 RWY 15, 33, STANDARD.  
**FRONT RANGE:**  
 RWY 8, 17, 26, 35, STANDARD.

**TAKEOFF OBSTACLES NOTES:**

**DENVER INTL:**

NOTE: RWY 16L, MULTIPLE SIGNS BEGINNING 126 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/5359 FT MSL. COMMUNICATION TWR 4749 FT FROM DER, 1358 FT LEFT OF CENTERLINE, 107 FT AGL/5478 FT MSL.

NOTE: RWY 25, SIGN 48 FT FROM DER, 450 FT RIGHT OF CENTERLINE, 6 FT AGL/5354 FT MSL.

**ROCKY MOUNTAIN METROPOLITAN:**

NOTE: RWY 29L: TERRAIN BEGINNING 23 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 5708 FT MSL. FENCE 982 FT FROM DER, 303 FT LEFT OF CENTERLINE, 14 FT AGL/5714 FT MSL. FENCE 1015 FT FROM DER, 392 FT LEFT OF CENTERLINE, 15 FT AGL/5725 FT MSL. MULTIPLE TREES BEGINNING 687 FT FROM DER, 615 FT RIGHT OF CENTERLINE UP TO 70 FT AGL/5839 FT MSL. TREE 3196 FT FROM DER, 1337 FT LEFT OF CENTERLINE, 70 FT AGL/5839 FT MSL.

**CENTENNIAL:**

NOTE: RWY 17L, TREES BEGINNING 2968 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/5976 FT MSL.

NOTE: RWY 17R, TERRAIN 181 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 5887 FT MSL. FENCE 538 FT FROM DER, 196 FT RIGHT OF CENTERLINE, 8 FT AGL/5886 FT MSL. TREES BEGINNING 562 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/5976 FT MSL. MULTIPLE LIGHT POLES BEGINNING 2362 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/5942 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3282 FT FROM DER, 842 FT RIGHT OF CENTERLINE, 90 FT AGL/6021 FT MSL.

**FORT COLLINS-LOVELAND MUNI:**

NOTE: RWY 33, TREES BEGINNING 833 FT FROM DER, 516 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/5025 FT MSL. MULTIPLE POLES BEGINNING 567 FT FROM DER, 540 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/4995 FT MSL.

**FRONT RANGE:**

NOTE: RWY 17, POLE 3618 FT FROM DER, 516 FT LEFT OF CENTERLINE, 43 FT AGL/5603 FT MSL.

NOTE: RWY 26, TREES BEGINNING 98 FT FROM DER, 456 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/5489 FT MSL.



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**CONTROLLING OBSTACLES:****CENTENNIAL:**

RWY 17L: 6559 FT MSL AAO 392953.93N/1045044.26.

RWY 17R: 6021 FT MSL OBS LT ON BLDG 393302.52N/1045119.43W, 6559 FT MSL AAO 392953.93N/1045044.26W.

**ROCKY MOUNTAIN METROPOLITAN:**

RWY 29L: 5839 FT MSL TREE 395457.98N/1050837.12W.

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

REFERENCE MAG VAR: KDEN 8E EPOCH YR: 2015

DME/DME ASSESSMENT:SAT (RNP 2.0)

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON EXTAN (IF), CW FROM: POINT A (BEARING 042.75 DEGREES TO EXTAN): TO: POINT B (BEARING 132.75 DEGREES TO EXTAN) :

MINIMUM ALTITUDE - 14000

**AIRPORTS SERVED:**

DENVER INTL  
ROCKY MOUNTAIN METROPOLITAN  
CENTENNIAL  
FRONT RANGE  
FORT COLLINS-LOVELAND MUNI

DENVER , CO  
DENVER, CO  
DENVER, CO  
DENVER, CO  
FORT COLLINS/LOVELAND, CO

**COMMUNICATIONS:****DENVER INTL:**

ATIS, CLEARANCE DELIVERY, DEP CON

**CENTENNIAL AIRPORT:**

ATIS, CLEARANCE DELIVERY, DEP CON

**ROCKY MOUNTAIN METROPOLITAN:**

ATIS, CLEARANCE DELIVERY, DEP CON

**FORT COLLINS-LOVELAND MUNICIPAL:**

DEP CON

**FRONT RANGE :**

ATIS, CLEARANCE DELIVERY, DEP CON

**FIXES AND/OR NAVAIDS:**

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EXTAN	TWO	EXTAN2.SHAYK	ONE	1/10/13	

**REMARKS:**

CLIMB GRADIENTS AT CENTENNIAL OFF RWY 17L/R ARE OBSTACLE DRIVEN WITH THE CLIMB TO ALTITUDE DETERMINED BY LOCATION OF 8000 MVA AND PROXIMITY TO HIGHER MVA'S.

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

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

**CHANGES:**

1. DEPARTURE UP-NUMBERED FROM ONE TO TWO.

**REASONS:**

1. SHAYK WAYPOINT STATE CODE CHANGED FROM CO TO KS; OTHER THAN UP NUMBER, NO CHANGE TO FORMS.

01/07/13: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/20/12.

1. FORM 8260.15C: RWY 16L - CORRECTED GISTT TO BGONE SEGMENT TRUE COURSE FROM 089.07T TO 089.07.
2. FORM 8260.15C: CORRECTED HEADER NUMBER FROM TWO TO TWO.

QUALITY  
1  
CHECKED

## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
EXTAN		TWO		EXTAN2.SHAYK			ONE		1/10/13	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
DENVER INTL (KDEN)										
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN CG 260 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED	
	395237.36N/1043530.40W	-	-	VI	090.53	3.25				
KIDNG	394837.67N/1042339.58W	Y	FB	CF	113.56	9.96	AT/BELOW 10000			
KMBEL	394832.93N/1041954.44W	Y	FB	TF	091.54	2.89				
BHIGH	394717.15N/1040845.34W	Y	FB	TF	098.29	8.69				
MMESA	394553.28N/1035543.50W	Y	FB	TF	097.85	10.14	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			CG 245 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED	
	394927.09N/1044115.54W	-	-	VI	180.51	4.37				
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	5.94	AT/ABOVE 7000			
BGONE	394606.21N/1042232.94W	Y	FB	TF	089.07	9.62	AT/BELOW 10000			
OLDDD	394600.62N/1040849.64W	Y	FB	TF	090.43	10.58				
MMESA	394553.28N/1035543.50W	Y	FB	TF	090.62	10.10	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW16R (AER)	395344.87N/1044145.90W	N	-	-	-	-			CG 450 FT PER NM TO 5934 THEN CG 225 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED	
	394945.61N/1044148.66W	-	-	VI	180.51	3.98				
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	6.47	AT/ABOVE 7000			
BGONE	394606.21N/1042232.94W	Y	FB	TF	089.07	9.62	AT/BELOW 10000			
OLDDD	394600.62N/1040849.64W	Y	FB	TF	090.43	10.58				
MMESA	394553.28N/1035543.50W	Y	FB	TF	090.62	10.10	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				

QUALITY  
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EXTAN		TWO	EXTAN2.SHAYK				ONE		1/10/13	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			CG 465 FT PER NM TO 5934 THEN CG 280 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED	
	394842.01N/1043831.06W	-	-	VI	180.54	3.19				
GISTT	394557.50N/1043501.10W	Y	FB	CF	135.46	3.84	AT/ABOVE 7000			
BGONE	394606.21N/1042232.94W	Y	FB	TF	089.07	9.62	AT/BELOW 10000			
OLDDD	394600.62N/1040849.64W	Y	FB	TF	090.43	10.58				
MMESA	394553.28N/1035543.50W	Y	FB	TF	090.62	10.10	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-			CG 465 FT PER NM TO 5934 THEN CG 250 FT PER NM TO 14000 RECOMMENDED NAVAID: DENVER VOR/DME. VI/CF PERMITTED	
	394833.02N/1043938.81W	-	-	VI	180.53	3.12				
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.95	4.41	AT/ABOVE 7000			
BGONE	394606.21N/1042232.94W	Y	FB	TF	089.07	9.62	AT/BELOW 10000			
OLDDD	394600.62N/1040849.64W	Y	FB	TF	090.43	10.58				
MMESA	394553.28N/1035543.50W	Y	FB	TF	090.62	10.10	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-			CG 400 FT PER NM TO 5934	
5934 MSL		-	-	VA	270.51	-				
		-	-	VM	270.51	-				
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-			LEFT TURN	
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 220 FT PER NM TO 14000	
5934 MSL		-	-	VA	000.51	-				
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000			
KMBEL	394832.93N/1041954.44W	Y	FB	TF	091.54	2.89				
BHIGH	394717.15N/1040845.34W	Y	FB	TF	098.29	8.69				
MMESA	394553.28N/1035543.50W	Y	FB	TF	097.85	10.14	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				

Checked

1

Checked

1  
CHECKED

## DEPARTURE (DATA RECORD)

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EXTAN		TWO		EXTAN2.SHAYK			ONE		1/10/13	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 230 FT PER NM TO 14000	
5934 MSL		-	-	VA	000.51	-				
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000			
KMBEL	394832.93N/1041954.44W	Y	FB	TF	091.54	2.89				
BHIGH	394717.15N/1040845.34W	Y	FB	TF	098.29	8.69				
MMESA	394553.28N/1035543.50W	Y	FB	TF	097.85	10.14	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 240 FT PER NM TO 14000	
5934 MSL		-	-	VA	000.53	-				
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000			
KMBEL	394832.93N/1041954.44W	Y	FB	TF	091.54	2.89				
BHIGH	394717.15N/1040845.34W	Y	FB	TF	098.29	8.69				
MMESA	394553.28N/1035543.50W	Y	FB	TF	097.85	10.14	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN 240 FT PER NM TO 14000	
5934 MSL		-	-	VA	000.54	-				
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000			
KMBEL	394832.93N/1041954.44W	Y	FB	TF	091.54	2.89				
BHIGH	394717.15N/1040845.34W	Y	FB	TF	098.29	8.69				
MMESA	394553.28N/1035543.50W	Y	FB	TF	097.85	10.14	AT/ABOVE 14000			
FALUJ	394524.52N/1035153.08W	Y	FB	TF	099.17	3.00	AT/BELOW FL230			
EXTAN	394435.96N/1034526.05W	Y	FB	TF	099.20	5.04				
EXTAN	394435.96N/1034526.05W	Y	-	IF	-	-				
CABET	393538.96N/1020038.70W	Y	FB	TF	095.75	81.41				
SHAYK	393243.98N/1012434.30W	Y	FB	TF	095.77	28.05				



## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
EXTAN		TWO	EXTAN2.SHAYK				ONE	1/10/13	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
<b>CENTENNIAL (KAPA)</b>									
RW17L (AER)	393502.92N/1045105.30W	N	-	-	-	-			CG 255 FT PER NM TO 8000
6400 MSL		-	-	VA	177.95	-			
		-	-	VM	177.95	-			
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-			
RW17R (AER)	393444.34N/1045113.38W	N	-	-	-	-			CG 370 FT PER NM TO 8000
6400 MSL		-	-	VA	177.95	-			
		-	-	VM	177.95	-			
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-			
RW35L (AER)	393335.23N/1045110.19W	N	-	-	-	-			
6400 MSL		-	-	VA	357.95	-			
		-	-	VM	357.95	-			
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-			
RW35R (AER)	393324.18N/1045100.74W	N	-	-	-	-			
6400 MSL		-	-	VA	357.95	-			
		-	-	VM	357.95	-			
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-			
EXTAN	394435.96N/1034526.05W	Y	-	IF	-	-			
CABET	393538.96N/1020038.70W	Y	FB	TF	095.75	81.41			
SHAYK	393243.98N/1012434.30W	Y	FB	TF	095.77	28.05			
<b>ROCKY MOUNTAIN METROPOLITAN (KBJC)</b>									
EXTAN	394435.96N/1034526.05W	Y	-	IF	-	-			
CABET	393538.96N/1020038.70W	Y	FB	TF	095.75	81.41			
SHAYK	393243.98N/1012434.30W	Y	FB	TF	095.77	28.05			

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## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
EXTAN		TWO		EXTAN2.SHAYK			ONE		1/10/13	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
FORT COLLINS-LOVLAND MUNI (KFNL)										
EXTAN	394435.96N/1034526.05W	Y	-	IF	-	-				
CABET	393538.96N/1020038.70W	Y	FB	TF	095.75	81.41				
SHAYK	393243.98N/1012434.30W	Y	FB	TF	095.77	28.05				
FRONT RANGE (KFTG)										
RW08 (AER)	394738.42N/1043354.87W	N	-	-	-	-				
6020 MSL		-	-	VA	091.15	-				
		-	-	VM	091.15	-				
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-				
RW17 (AER)	394708.15N/1043127.24W	N	-	-	-	-				
6020 MSL		-	-	VA	179.99	-				
		-	-	VM	179.99	-				
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-				
RW26 (AER)	394736.82N/1043212.43W	N	-	-	-	-				
6020 MSL		-	-	VA	271.17	-				
		-	-	VM	271.17	-				
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-				
RW35 (AER)	394549.10N/1043127.22W	N	-	-	-	-				
6020 MSL		-	-	VA	359.99	-				
		-	-	VM	359.99	-				
EXTAN	394435.96N/1034526.05W	Y	FB	DF	-	-				
EXTAN	394435.96N/1034526.05W	Y	-	IF	-	-				
CABET	393538.96N/1020038.70W	Y	FB	TF	095.75	81.41				
SHAYK	393243.98N/1012434.30W	Y	FB	TF	095.77	28.05				

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11B	EXTAN	010		IF		FB					
	RW11B	CABET	020		TF		FB	1.0	087.8()	081.4		
	RW11B	SHAYK	030		TF		FB	1.0	087.8()	028.1		
	RW29B	EXTAN	010		IF		FB					
	RW29B	CABET	020		TF		FB	1.0	087.8()	081.4		
	RW29B	SHAYK	030		TF		FB	1.0	087.8()	028.1		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CABET	N393538.96	W1020038.70	N3935.649	W10200.645
	EXTAN	N394435.96	W1034526.05	N3944.599	W10345.434
	SHAYK	N393243.98	W1012434.30	N3932.733	W10124.572
	RW11L	N395455.05	W1050742.28	N3954.918	W10507.705
	RW11R	N395451.10	W1050753.55	N3954.852	W10507.893
	RW29L	N395412.12	W1050639.33	N3954.202	W10506.656
	RW29R	N395404.95	W1050606.91	N3954.083	W10506.115

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11L	05660	41
	RW11R	05673	40
	RW29L	05595	41
	RW29R	05566	52

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17B		010		VA		FB		170.0()		AA 06400	
	RW17B		020		VM		FB		170.0()			
	RW17B	EXTAN	030		DF		FB	1.0				
	RW35B		010		VA		FB		350.0()		AA 06400	
	RW35B		020		VM		FB		350.0()			
	RW35B	EXTAN	030		DF		FB	1.0				
		EXTAN	010		IF		FB					
		CABET	020		TF		FB	1.0	087.8()	081.4		
		SHAYK	030		TF		FB	1.0	087.8()	028.1		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CABET	N393538.96	W1020038.70	N3935.649	W10200.645
	EXTAN	N394435.96	W1034526.05	N3944.599	W10345.434
	SHAYK	N393243.98	W1012434.30	N3932.733	W10124.572
	RW17L	N393502.92	W1045105.30	N3935.049	W10451.088
	RW17R	N393444.34	W1045113.38	N3934.739	W10451.223
	RW35L	N393335.23	W1045110.19	N3933.587	W10451.170
	RW35R	N393324.18	W1045100.74	N3933.403	W10451.012

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	05793	47
	RW17R	05804	41
	RW35L	05869	37
	RW35R	05885	53

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ARINC PACKET - 424-18 - SID

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFTGK2DEXTAN24RW08	010	0	VA		0832	+	06020	18000				
SUSAP	KFTGK2DEXTAN24RW08	020	0	VM		0832							
SUSAP	KFTGK2DEXTAN24RW08	030EXTANK2EA0EE	010DF										
SUSAP	KFTGK2DEXTAN24RW17	010	0	VA		1720	+	06020	18000				
SUSAP	KFTGK2DEXTAN24RW17	020	0	VM		1720							
SUSAP	KFTGK2DEXTAN24RW17	030EXTANK2EA0EE	010DF										
SUSAP	KFTGK2DEXTAN24RW26	010	0	VA		2632	+	06020	18000				
SUSAP	KFTGK2DEXTAN24RW26	020	0	VM		2632							
SUSAP	KFTGK2DEXTAN24RW26	030EXTANK2EA0EE	010DF										
SUSAP	KFTGK2DEXTAN24RW35	010	0	VA		3520	+	06020	18000				
SUSAP	KFTGK2DEXTAN24RW35	020	0	VM		3520							
SUSAP	KFTGK2DEXTAN24RW35	030EXTANK2EA0EE	010DF										
SUSAP	KFTGK2DEXTAN25	010EXTANK2EA0E	IF						18000				
SUSAP	KFTGK2DEXTAN25	020CABETK3EA0E	010TF			08780814							
SUSAP	KFTGK2DEXTAN25	030SHAYKK3EA0EE	010TF			08780281							

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VA		FB		083.2()		AA 06020	
	RW08		020		VM		FB		083.2()			
	RW08	EXTAN	030		DF		FB	1.0				
	RW17		010		VA		FB		172.0()		AA 06020	
	RW17		020		VM		FB		172.0()			
	RW17	EXTAN	030		DF		FB	1.0				
	RW26		010		VA		FB		263.2()		AA 06020	
	RW26		020		VM		FB		263.2()			
	RW26	EXTAN	030		DF		FB	1.0				
	RW35		010		VA		FB		352.0()		AA 06020	
	RW35		020		VM		FB		352.0()			
	RW35	EXTAN	030		DF		FB	1.0				
		EXTAN	010		IF		FB					
		CABET	020		TF		FB	1.0	087.8()	081.4		
		SHAYK	030		TF		FB	1.0	087.8()	028.1		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CABET	N393538.96	W1020038.70	N3935.649	W10200.645
	EXTAN	N394435.96	W1034526.05	N3944.599	W10345.434
	SHAYK	N393243.98	W1012434.30	N3932.733	W10124.572
	RW08	N394738.42	W1043354.87	N3947.640	W10433.915
	RW17	N394708.15	W1043127.24	N3947.136	W10431.454
	RW26	N394736.82	W1043212.43	N3947.614	W10432.207
	RW35	N394549.10	W1043127.22	N3945.818	W10431.454

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	05450	50
	RW17	05473	55
	RW26	05485	45
	RW35	05512	54



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

ARINC PACKET - 424-18 - SID

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEAENRT	CABET K30	C	B	N39353896W102003870			E0071	NAR		CABET		
	SUSAEAENRT	EXTAN K20	C		N39443596W103452605			E0081	NAR		EXTAN		
	SUSAEAENRT	SHAYK K30	W		N39324398W101243430			E0067	NAR		SHAYK		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFNLK2AFNL	0	085YHN40270658W105004081E009005016			1800018000C	MNAR			FORT COLLINS-LOVELAND MUNI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFNLK2DEXTAN24RW15	010EXTANK2EAOE	IF						18000			
	SUSAP	KFNLK2DEXTAN24RW15	020CABETK3EAOE	010TF			08780814						
	SUSAP	KFNLK2DEXTAN24RW15	030SHAYKK3EAOEE	010TF			08780281						
	SUSAP	KFNLK2DEXTAN24RW33	010EXTANK2EAOE	IF						18000			
	SUSAP	KFNLK2DEXTAN24RW33	020CABETK3EAOE	010TF			08780814						
	SUSAP	KFNLK2DEXTAN24RW33	030SHAYKK3EAOEE	010TF			08780281						

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFNLK2GRW15	0085001514	N40274421W105010270+0500			+1500004973000050100R						
	SUSAP	KFNLK2GRW33	0085003314	N40262508W105002589-0500			+1512905016000051100IIFNL1						

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW15	EXTAN	010		IF		FB					
	RW15	CABET	020		TF		FB	1.0	087.8()	081.4		
	RW15	SHAYK	030		TF		FB	1.0	087.8()	028.1		
	RW33	EXTAN	010		IF		FB					
	RW33	CABET	020		TF		FB	1.0	087.8()	081.4		
	RW33	SHAYK	030		TF		FB	1.0	087.8()	028.1		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CABET	N393538.96	W1020038.70	N3935.649	W10200.645
	EXTAN	N394435.96	W1034526.05	N3944.599	W10345.434
	SHAYK	N393243.98	W1012434.30	N3932.733	W10124.572
	RW15	N402744.21	W1050102.70	N4027.737	W10501.045
	RW33	N402625.08	W1050025.89	N4026.418	W10500.432

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	04973	50
	RW33	05016	51

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013
SUSAP	KDENK2DEXTAN24RW16R	030BGONEK2EA0E	010TF	08110096	- 10000
SUSAP	KDENK2DEXTAN24RW16R	040OLDDDK2EA0E	010TF	08240106	
SUSAP	KDENK2DEXTAN24RW16R	050MMESAK2EA0E	010TF	08260101	+ 14000
SUSAP	KDENK2DEXTAN24RW16R	060FALUJK2EA0E	010TF	09120030	- FL230
SUSAP	KDENK2DEXTAN24RW16R	070EXTANK2EA0EE	010TF	09120050	
SUSAP	KDENK2DEXTAN24RW17L	010 0 VI	1725		18000
SUSAP	KDENK2DEXTAN24RW17L	020GISTTK2EA0E	010CF DEN K2	1200004512750038D	+ 07000
SUSAP	KDENK2DEXTAN24RW17L	030BGONEK2EA0E	010TF	08110096	- 10000
SUSAP	KDENK2DEXTAN24RW17L	040OLDDDK2EA0E	010TF	08240106	
SUSAP	KDENK2DEXTAN24RW17L	050MMESAK2EA0E	010TF	08260101	+ 14000
SUSAP	KDENK2DEXTAN24RW17L	060FALUJK2EA0E	010TF	09120030	- FL230
SUSAP	KDENK2DEXTAN24RW17L	070EXTANK2EA0EE	010TF	09120050	
SUSAP	KDENK2DEXTAN24RW17R	010 0 VI	1725		18000
SUSAP	KDENK2DEXTAN24RW17R	020GISTTK2EA0E	010CF DEN K2	1200004511800044D	+ 07000
SUSAP	KDENK2DEXTAN24RW17R	030BGONEK2EA0E	010TF	08110096	- 10000
SUSAP	KDENK2DEXTAN24RW17R	040OLDDDK2EA0E	010TF	08240106	
SUSAP	KDENK2DEXTAN24RW17R	050MMESAK2EA0E	010TF	08260101	+ 14000
SUSAP	KDENK2DEXTAN24RW17R	060FALUJK2EA0E	010TF	09120030	- FL230
SUSAP	KDENK2DEXTAN24RW17R	070EXTANK2EA0EE	010TF	09120050	
SUSAP	KDENK2DEXTAN24RW25	010 0 VA	2625		+ 05934 18000
SUSAP	KDENK2DEXTAN24RW25	020 0 VM	2625		
SUSAP	KDENK2DEXTAN24RW25	030EXTANK2EA0EE	010DF		
SUSAP	KDENK2DEXTAN24RW34B	010 0 VA	3525		+ 05934 18000
SUSAP	KDENK2DEXTAN24RW34B	020KIDNGK2EA0E	R010DF		- 10000
SUSAP	KDENK2DEXTAN24RW34B	030KMBELK2EA0E	010TF	08350029	
SUSAP	KDENK2DEXTAN24RW34B	040BHGHK2EA0E	010TF	09030087	
SUSAP	KDENK2DEXTAN24RW34B	050MMESAK2EA0E	010TF	08990101	+ 14000
SUSAP	KDENK2DEXTAN24RW34B	060FALUJK2EA0E	010TF	09120030	- FL230
SUSAP	KDENK2DEXTAN24RW34B	070EXTANK2EA0EE	010TF	09120050	
SUSAP	KDENK2DEXTAN24RW35B	010 0 VA	3525		+ 05934 18000
SUSAP	KDENK2DEXTAN24RW35B	020KIDNGK2EA0E	R010DF		- 10000
SUSAP	KDENK2DEXTAN24RW35B	030KMBELK2EA0E	010TF	08350029	
SUSAP	KDENK2DEXTAN24RW35B	040BHGHK2EA0E	010TF	09030087	
SUSAP	KDENK2DEXTAN24RW35B	050MMESAK2EA0E	010TF	08990101	+ 14000
SUSAP	KDENK2DEXTAN24RW35B	060FALUJK2EA0E	010TF	09120030	- FL230
SUSAP	KDENK2DEXTAN24RW35B	070EXTANK2EA0EE	010TF	09120050	
SUSAP	KDENK2DEXTAN25	010EXTANK2EA0E	IF		18000
SUSAP	KDENK2DEXTAN25	020CABETK3EA0E	010TF	08780814	
SUSAP	KDENK2DEXTAN25	030SHAYKK3EA0EE	010TF	08780281	

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013
SUSAP KDENK2GRW17R	0120001725	N39514048W104393656+0500	+1621005378000060150IIACX1		
SUSAP KDENK2GRW25	0120002625	N39502637W104410217+0000	+1614205355000055150IIERP1		
SUSAP KDENK2GRW34L	0160003525	N39510679W104414772+0000	+1605605327000050200IIDXU3		
SUSAP KDENK2GRW34R	0120003525	N39515077W104411388+0000	+1613705354000059150IIOUF3		
SUSAP KDENK2GRW35L	0120003525	N39494193W104393798-0500	+1638105434000057150IIAQD3		
SUSAP KDENK2GRW35R	0120003525	N39495527W104383016-0300	+1618705370000059150IIDPP3		



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VI		FB		082.5 ( )			
	RW08	KIDNG	020		CF		FB	1.0	105.6 ( )	010.0	AB 10000	
	RW08	KMBEL	030		TF		FB	1.0	083.5 ( )	002.9		
	RW08	BHIGH	040		TF		FB	1.0	090.3 ( )	008.7		
	RW08	MMESA	050		TF		FB	1.0	089.9 ( )	010.1	AA 14000	
	RW08	FALUJ	060		TF		FB	1.0	091.2 ( )	003.0	AB FL230	
	RW08	EXTAN	070		TF		FB	1.0	091.2 ( )	005.0		
	RW16L		010		VI		FB		172.5 ( )			
	RW16L	GISTT	020		CF		FB	1.0	117.9 ( )	005.9	AA 07000	
	RW16L	BGONE	030		TF		FB	1.0	081.1 ( )	009.6	AB 10000	
	RW16L	OLDDD	040		TF		FB	1.0	082.4 ( )	010.6		
	RW16L	MMESA	050		TF		FB	1.0	082.6 ( )	010.1	AA 14000	
	RW16L	FALUJ	060		TF		FB	1.0	091.2 ( )	003.0	AB FL230	
	RW16L	EXTAN	070		TF		FB	1.0	091.2 ( )	005.0		
	RW16R		010		VI		FB		172.5 ( )			
	RW16R	GISTT	020		CF		FB	1.0	117.9 ( )	006.5	AA 07000	
	RW16R	BGONE	030		TF		FB	1.0	081.1 ( )	009.6	AB 10000	
	RW16R	OLDDD	040		TF		FB	1.0	082.4 ( )	010.6		
	RW16R	MMESA	050		TF		FB	1.0	082.6 ( )	010.1	AA 14000	
	RW16R	FALUJ	060		TF		FB	1.0	091.2 ( )	003.0	AB FL230	
	RW16R	EXTAN	070		TF		FB	1.0	091.2 ( )	005.0		
	RW17L		010		VI		FB		172.5 ( )			
	RW17L	GISTT	020		CF		FB	1.0	127.5 ( )	003.8	AA 07000	
	RW17L	BGONE	030		TF		FB	1.0	081.1 ( )	009.6	AB 10000	
	RW17L	OLDDD	040		TF		FB	1.0	082.4 ( )	010.6		
	RW17L	MMESA	050		TF		FB	1.0	082.6 ( )	010.1	AA 14000	
	RW17L	FALUJ	060		TF		FB	1.0	091.2 ( )	003.0	AB FL230	
	RW17L	EXTAN	070		TF		FB	1.0	091.2 ( )	005.0		
	RW17R		010		VI		FB		172.5 ( )			
	RW17R	GISTT	020		CF		FB	1.0	118.0 ( )	004.4	AA 07000	
	RW17R	BGONE	030		TF		FB	1.0	081.1 ( )	009.6	AB 10000	
	RW17R	OLDDD	040		TF		FB	1.0	082.4 ( )	010.6		
	RW17R	MMESA	050		TF		FB	1.0	082.6 ( )	010.1	AA 14000	
	RW17R	FALUJ	060		TF		FB	1.0	091.2 ( )	003.0	AB FL230	
	RW17R	EXTAN	070		TF		FB	1.0	091.2 ( )	005.0		
	RW25		010		VA		FB		262.5 ( )		AA 05934	
	RW25		020		VM		FB		262.5 ( )			
	RW25	EXTAN	030		DF		FB	1.0				
	RW34B		010		VA		FB		352.5 ( )		AA 05934	
	RW34B	KIDNG	020		DF	R	FB	1.0			AB 10000	
	RW34B	KMBEL	030		TF		FB	1.0	083.5 ( )	002.9		
	RW34B	BHIGH	040		TF		FB	1.0	090.3 ( )	008.7		

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013
RW34B	MMESA 050	TF FB	1.0 089.9()	010.1	AA 14000
RW34B	FALUJ 060	TF FB	1.0 091.2()	003.0	AB FL230
RW34B	EXTAN 070	TF FB	1.0 091.2()	005.0	
RW35B	010	VA FB		352.5()	AA 05934
RW35B	KIDNG 020	DF R FB	1.0		AB 10000
RW35B	KMBEL 030	TF FB	1.0 083.5()	002.9	
RW35B	BHIGH 040	TF FB	1.0 090.3()	008.7	
RW35B	MMESA 050	TF FB	1.0 089.9()	010.1	AA 14000
RW35B	FALUJ 060	TF FB	1.0 091.2()	003.0	AB FL230
RW35B	EXTAN 070	TF FB	1.0 091.2()	005.0	
	EXTAN 010	IF FB			
	CABET 020	TF FB	1.0 087.8()	081.4	
	SHAYK 030	TF FB	1.0 087.8()	028.1	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEN	N394845.05	W1043938.66	N3948.751	W10439.644
	BGONE	N394606.21	W1042232.94	N3946.104	W10422.549
	BHIGH	N394717.15	W1040845.34	N3947.286	W10408.756
	CABET	N393538.96	W1020038.70	N3935.649	W10200.645
	EXTAN	N394435.96	W1034526.05	N3944.599	W10345.434
	FALUJ	N394524.52	W1035153.08	N3945.409	W10351.885
	GISTT	N394557.50	W1043501.10	N3945.958	W10435.018
	KIDNG	N394837.67	W1042339.58	N3948.628	W10423.660
	KMBEL	N394832.93	W1041954.44	N3948.549	W10419.907
	MMESA	N394553.28	W1035543.50	N3945.888	W10355.725
	OLDDD	N394600.62	W1040849.64	N3946.010	W10408.827
	SHAYK	N393243.98	W1012434.30	N3932.733	W10124.572
	RW08	N395239.20	W1043944.03	N3952.653	W10439.734
	RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
	RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
	RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
	RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
	RW25	N395026.37	W1044102.17	N3950.440	W10441.036
	RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
	RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
	RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
	RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW08	05354	52
RW16L	05350	60
RW16R	05322	55
RW17L	05328	48
RW17R	05378	60

**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
EXTAN RNAV	TWO	EXTAN2.SHAYK	ONE	01/10/2013	7 MAR 2013

RW25	05355	55
RW34L	05327	50
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59