

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
LOWGN	EIGHT	LOWGN8.LOWGN	SEVEN	04/30/2015	29 MAR 2018
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 176.26 TO INTERCEPT COURSE 157.17 TO SPERA, THEN ON TRACK 106.51 TO CROSS JGIRL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 17R: CLIMB HEADING 176.26 TO INTERCEPT COURSE 155.02 TO SPERA, THEN ON TRACK 106.51 TO CROSS JGIRL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 176.25 TO INTERCEPT COURSE 192.50 TO BPARK, THEN ON TRACK 254.87 TO CROSS YAMEL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 176.25 TO INTERCEPT COURSE 192.00 TO BPARK, THEN ON TRACK 254.87 TO CROSS YAMEL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 35C: CLIMB HEADING 356.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 004.23 TO CROSS YUNGG AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 35L: CLIMB HEADING 356.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 004.23 TO CROSS YUNGG AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 332.33 TO CROSS AZIDE AT OR ABOVE 9000, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 332.33 TO CROSS AZIDE AT OR ABOVE 9000, THEN ON DEPICTED ROUTE TO LOWGN, THENCE...

... ON (TRANSITION) MAINTAIN 10000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L/R: CLIMB HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO LOWGN, THENCE...

... ON (TRANSITION) MAINTAIN 5000. EXPECT 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>
ARDMORE	LOWGN8.ADM	LOWGN	ADM VORTAC	TRACK 001.09	45.75	FL180	2400	
ROLLS	LOWGN8.ROLLS	LOWGN	ADM VORTAC	TRACK 001.09	45.75	FL180	2400	
		ADM VORTAC	MRMAC	TRACK 305.22	60.00	FL180	2800	
		MRMAC	ROLLS	TRACK 304.69	85.20	FL180	4500	

PROCEDURAL DATA NOTES:

ROLLS TRANSITION: FOR ALL AIRCRAFT PROCEEDING NORTHWEST BOUND ON J52.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.



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LOWGN	EIGHT	LOWGN8.LOWGN	SEVEN	04/30/2015	29 MAR 2018

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: RADAR REQUIRED.

TAKEOFF MINIMUMS:

RWY 31L, 31R, STANDARD.

RWY 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1120.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 31L, TREES BEGINNING 928 FT FROM DER, 724 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/654 FT MSL. TREES 1229 FT FROM DER, 729 FT RIGHT OF CENTERLINE, UP TO 28 FT/637 FT MSL. TRANSMISSION POLES AND TOWERS BEGINNING 3402 FT FROM DER, 1398 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/730 FT MSL.

NOTE: RWY 31R, BUILDING 732 FT FROM DER, 633 FT LEFT OF CENTERLINE, 34 FT AGL/604 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDFW 4E EPOCH YEAR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE RWY 31L/31R: 5000; RWY 17C/17R/18L/18R/35L/35C/36L/36R: 10000.

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON LOWGN (IF), CW

FROM: POINT A (BEARING 316 DEGREES TO LOWGN)

TO: POINT B (BEARING 046 DEGREES TO LOWGN)

MINIMUM ALTITUDE – 9000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DALLAS-FORT WORTH INTL	DALLAS-FORT WORTH	TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON

FIXES AND/OR NAVAIDS:

CHART: BLECO, GRABE, AKUNA.

REMARKS:

PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS. WAIVER ON FILE FOR TERMINOLOGY USED IN DP ROUTE DESCRIPTION FOR RWY 31L/R (CLIMB HEADING ASSIGNED BY ATC).

ABBREVIATED AMENDMENT. THIS IS A MINOR AMENDMENT AND DOES NOT QUALIFY AS A PERIODIC REVIEW.



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LOWGN	EIGHT	LOWGN8.LOWGN	SEVEN	04/30/2015	29 MAR 2018

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED -
PROCESSED IAW FICO (AJW-333) MEMO, MAY 30, 2017.

Digitally signed by
ROBERT G HAMILTON
Dec 12, 2017

OFFICE SYMBOL:

FICO

DATE:

06/17/2014

DEVELOPED BY:

LUCAS MCCLOUD

Digitally signed by
LUCAS MCCLOUD
Oct 04, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

09/20/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Dec 12, 2017

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
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OTHER:

ZFW, DFW ATCT, REGIONAL APP CON, AMGR

CHANGES - REASONS:

1. CHANGED FIX NAME NAVYE TO SPERA THROUGHOUT FORMS - ATC REQUEST
2. TAKEOFF RWY 17C CLIMB HEADING CHANGED FROM 176.27 TO 176.26 - ROUNDING ERROR, AIRNAV RWY BRGS UPDATED
3. TAKEOFF RWY 35C CLIMB HEADING CHANGED FROM 356.27 TO 356.26 - ROUNDING ERROR, AIRNAV RWY BRGS UPDATED
4. ADDED 'CHART: TOP ALTITUDE RWY 31L/31R: 5000' AND 'ON (TRANSITION) MAINTAIN 5000' FOR RWY 31L/R - TOP ALT STANDARDIZATION

QUALITY
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CHECKED

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RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-		
	325136.69N/0970148.65W	-	-	VI	180.26	3.33		CG 500 FT/NM TO 1120.
SPERA	324657.75N/0965942.05W	Y	FB	CF	159.02	4.97		RECOMMENDED NAVAID: PGO VORTAC
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46		
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51		
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74		
LOWGN	332702.70N/0971459.29W	Y	FB	TF	321.44	35.50		

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**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
LOWGN							EIGHT	LOWGN8.LOWGN	SEVEN	04/30/2015	29 MAR 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-					
	325139.37N/0970303.67W	-	-	VI	180.25	3.29				CG 500 FT/NM TO 1120.	
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.50	5.34				RECOMMENDED NAVAID: PGO VORTAC	
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K			
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08					
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47					
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63					
LOWGN	332702.70N/0971459.29W	Y	FB	TF	002.20	26.91					
RW18R (AER)	325456.93N/0970316.71W	N	-	-	-	-					
	325107.56N/0970317.90W	-	-	VI	180.25	3.82				CG 500 FT/NM TO 1120.	
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.00	4.77				RECOMMENDED NAVAID: PGO VORTAC	
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K			
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08					
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47					
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63					
LOWGN	332702.70N/0971459.29W	Y	FB	TF	002.20	26.91					
RW31L (AER)	325324.97N/0970347.79W	N	-	-	-	-					
		-	-	VM	319.06	-					
LOWGN	332702.70N/0971459.29W	Y	FB	DF	-	-					

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LOWGN		EIGHT	LOWGN8.LOWGN		SEVEN		04/30/2015		29 MAR 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
		-	-	VM	315.28	-			
LOWGN	332702.70N/0971459.29W	Y	FB	DF	-	-			
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-			
		-	-	VA	000.26	-			CG 500 FT/NM TO 1120.
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
YUNGG	330846.39N/0970047.66W	Y	FB	TF	008.23	4.15	AT/ABOVE 7000		
LOWGN	332702.70N/0971459.29W	Y	FB	TF	326.95	21.77			
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-			
		-	-	VA	000.26	-			CG 500 FT/NM TO 1120.
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
YUNGG	330846.39N/0970047.66W	Y	FB	TF	008.23	4.15	AT/ABOVE 7000		
LOWGN	332702.70N/0971459.29W	Y	FB	TF	326.95	21.77			
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-			
		-	-	VA	000.25	-			CG 500 FT/NM TO 1120.
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
AZIDE	331209.82N/0970719.22W	Y	FB	TF	336.33	8.62	AT/ABOVE 9000		
LOWGN	332702.70N/0971459.29W	Y	FB	TF	336.64	16.18			

QUALITY

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LOWGN		EIGHT		LOWGN8.LOWGN		SEVEN		04/30/2015	29 MAR 2018
<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>
RW36R (AER)	325244.30N/0970303.33W	N	-	-	-	-			
1120 MSL		-	-	VA	000.25	-			CG 500 FT/NM TO 1120.
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
AZIDE	331209.82N/0970719.22W	Y	FB	TF	336.33	8.62	AT/ABOVE 9000		
LOWGN	332702.70N/0971459.29W	Y	FB	TF	336.64	16.18			
LOWGN	332702.70N/0971459.29W	Y	-	IF	-	-			LOWGN8.ADM
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
LOWGN	332702.70N/0971459.29W	Y	-	IF	-	-			LOWGN8.ROLLS
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
MRMAC	345028.82N/0980634.32W	Y	FB	TF	309.22	60.00			
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20			

