

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	SEVEN	LOWGN7.LOWGN	SIX	18 SEP 2014	30 APR 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 176.27 TO INTERCEPT COURSE 157.17 TO NAVYE, 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 NAVYE, 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 356.27 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...

TAKEOFF RWY 31L/R: CLIMB HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO LOWGN, MAINTAIN 5000, THENCE...

... (TRANSITION). MAINTAIN 10000, EXPECT FILED ALTITUDE TEN 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
ARDMORE	LOWGN7.ADM	LOWGN	ADM VORTAC	TRACK 001.09	45.75	FL180	2400	
ROLLS	LOWGN7.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/TAKEOFF MINIMUMS:

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

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: RADAR REQUIRED.



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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)

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

CHART: TOP ALTITUDE: 10000

AIRPORTS SERVED:

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.



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REMARKS:

PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS.

CHANGES:

ADDED: CHART: TOP ALTITUDE: 10000

REASONS:

ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code		Superseded Number		Dated	Effective Date
LOWGN		SEVEN		LOWGN7.LOWGN		SIX		18 SEP 2014	30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17C (AER)	325456.55N/0970133.49W	N	-	-	-	-			
	325136.63N/0970134.60W	-	-	VI	180.27	3.33			CG 500 FT/NM TO 1120.
	NAVYE	324657.75N/0965942.05W	Y	FB	CF	161.17	4.90		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		
RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-			
	325136.69N/0970148.65W	-	-	VI	180.26	3.33			CG 500 FT/NM TO 1120.
	NAVYE	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		
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		

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
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	-	-				
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	-	-	-	-				
	1120 MSL	-	-	VA	000.27	-			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	-	-	-	-				
	1120 MSL	-	-	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				



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW36L (AER)	325244.35N/0970317.40W	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			
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	-	-			LOWGN7.ADM
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
LOWGN	332702.70N/0971459.29W	Y	-	IF	-	-			LOWGN7.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			