

**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SUPERSEDED NUMBER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>
GRABE	EIGHT	GRABE8.GRABE	SEVEN	06/25/2015	29 MAR 2018
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

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, THEN ON DEPICTED ROUTE TO GRABE, 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, THEN ON DEPICTED ROUTE TO GRABE, 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, THEN ON DEPICTED ROUTE TO GRABE, 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, THEN ON DEPICTED ROUTE TO GRABE, THENCE...

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

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

TAKEOFF RWY 36L: CLIMB HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON TRACK 348.87 TO CROSS RYNNE AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO GRABE, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 356.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON TRACK 348.87 TO CROSS RYNNE AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO GRABE, 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 GRABE, 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>
EAKER	GRABE8.EAKER	GRABE	EAKER	TRACK 014.12	54.60	FL180	3700	
OKMULGEE	GRABE8.OKM	GRABE	EAKER	TRACK 014.12	54.60	FL180	3700	
		EAKER	OKM VOR/DME	TRACK 020.06	90.40	FL180	3400	

PROCEDURAL DATA NOTES:

EAKER TRANSITION: FOR AIRCRAFT INBOUND TO THE TULSA TERMINAL AREA.

OKMULGEE TRANSITION: FOR ALL AIRCRAFT OVERFLYING THE OKM VOR/DME PROCEEDING VIA J181 TO BDF VORTAC THEN TO DESTINATIONS IN THE CHICAGO TERMINAL AREA AND NORTH.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.



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GRABE	EIGHT	GRABE8.GRABE	SEVEN	06/25/2015	29 MAR 2018

NOTE: PROPS FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.

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 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R: 10000; RWY 31L/R: 5000.

CHART SPEED ICONS: MAXIMUM SPEED 240 KIAS AT JGIRL, YAMEL, CUZEN AND HAZKL.

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON GRABE (IF), CW

FROM: POINT A (BEARING 329 DEGREES TO GRABE)

TO: POINT B (BEARING 059 DEGREES TO GRABE)

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: LOWGN, AKUNA, BLECO.

REMARKS:

PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS. APPLICABLE WAIVERS ON FILE. 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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GRABE	EIGHT	GRABE8.GRABE	SEVEN	06/25/2015	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:

04/11/2015

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:

A4A

ALPA

AOPA

APA

HAI

NBAA

**OTHER:**

ZFW, DFW ATCT, REGIONAL APP CON, AMGR

CHANGES - REASONS:

1. CHANGED FIX NAME NAVYE TO SPERA THROUGHOUT FORMS - ATC REQUEST
2. CHANGED 'MAINTAIN 5000' TO 'ON (TRANSITION) MAINTAIN 5000' FOLLOWING RWY 31L/R DP ROUTE DESCRIPTION - REQD FOR 5000 TOP ALT



[illegible]

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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
GRABE		EIGHT		GRABE8.GRABE		SEVEN		06/25/2015		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					
GRABE	332705.25N/0965741.50W	Y	FB	TF	029.91	31.10					
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					
GRABE	332705.25N/0965741.50W	Y	FB	TF	029.91	31.10					
RW31L (AER)	325324.97N/0970347.79W	N	-	-	-	-					
		-	-	VM	319.06	-					
GRABE	332705.25N/0965741.50W	Y	FB	DF	-	-					

QUALITY
3

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3
CHECKED

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GRABE		EIGHT		GRABE8.GRABE		SEVEN		06/25/2015		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	-					
GRABE	332705.25N/0965741.50W	Y	FB	DF	-	-					
RW35C (AER)	325243.96N/0970134.22W	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				
GRABE	332705.25N/0965741.50W	Y	FB	TF	008.08	18.46					
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				
GRABE	332705.25N/0965741.50W	Y	FB	TF	008.08	18.46					
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			
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00	AT/ABOVE 7000				
GRABE	332705.25N/0965741.50W	Y	FB	TF	016.32	18.58					

QUALITY

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
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			
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00	AT/ABOVE 7000				
GRABE	332705.25N/0965741.50W	Y	FB	TF	016.32	18.58					
GRABE	332705.25N/0965741.50W	Y	-	IF	-	-			GRABE8.EAKER		
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60					
GRABE	332705.25N/0965741.50W	Y	-	IF	-	-			GRABE8.OKM		
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60					
OKM VOR/DME	354135.15N/0955157.53W	Y	FB	TF	024.06	90.40					

