

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
KRUMM	SIX	KRUMM6.FUZ	FIVE	02/05/2015	17 AUG 2017

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**This is a corrected copy of the procedure published in NFDD 101.
** See page 4 for details. ****

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13R- TURN RIGHT HEADING 163.00 NOT LATER THAN 0.7 DME OUTBOUND ON THE I-DPX LOCALIZER SOUTHEAST COURSE, TO INTERCEPT AND CLIMB ON THE CVE R-139 AND EXPECT VECTORS TO APPROPRIATE ROUTE, UNLESS OTHERWISE ADVISED MAINTAIN 5000 AND 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	KRUMM6.ADM	FUZ VORTAC	LOWGN	348.00 (FUZ R-348)	33.80			
		LOWGN	ADM VORTAC	359.00 (ADM R-179)	45.75	4000		
BLECO	KRUMM6.BLECO	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80			
EAKER	KRUMM6.EAKER	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40			
		GRABE	EAKER	012.00 (FUZ R-012)	54.60	9000		
GRABE	KRUMM6.GRABE	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40			
MC ALESTER	KRUMM6.MLC	FUZ VORTAC	AKUNA	022.00 (FUZ R-022)	38.10			
		AKUNA	TIKYS	022.00 (FUZ R-022)	41.90	11000		
		TIKYS	MLC VORTAC	026.44 (MLC R-206)	56.73	11000		
OKMULGEE	KRUMM6.OKM	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40			
		GRABE	EAKER	012.00 (FUZ R-012)	54.60	9000		
		EAKER	OKM VORDME	016.49 (OKM R-196)	90.40	11000		
ROLLS	KRUMM6.ROLLS	FUZ VORTAC	LOWGN	348.00 (FUZ R-348)	33.80			
		LOWGN	ADM VORTAC	359.00 (ADM R-179)	45.75	4000		
		ADM VORTAC	ROLLS	303.22 (ADM R-303)	145.20	15000		
TULSA	KRUMM6.TUL	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80			

QUALITY
29
CHECKED

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KRUMM			SIX	KRUMM6.FUZ	FIVE	02/05/2015	17 AUG 2017
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20 11000		
		ZEMMA	TULSA VORTAC	020.88 (TUL R-201)	123.58 13000		
WILL ROGERS	KRUMM6.IRW	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80 11000		
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20 11000		
		ZEMMA	IRW VORTAC	325.00 (IRW R-145)	65.91 11000		
ZEMMA	KRUMM6.ZEMMA	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80 11000		
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20 11000		

PROCEDURAL DATA NOTES:

THIS DP IS TO BE USED ONLY UPON ASSIGNMENT BY LOVE TOWER NORMALLY BETWEEN 2100-0600 LCL TLME. DME REQUIRED.
 ROLLS TRANSITION: FOR ALL AIRCRAFT PROCEEDING NORTHWEST BOUND VIA J52.
 WILL ROGERS TRANSITION: FOR ALL AIRCRAFT INBOUND TO THE OKLAHOMA CITY AREA OR OVERFLYING IRW VORTAC.
 TULSA TRANSITION: FOR ALL AIRCRAFT OVERFLYING TUL VORTAC.
 OKMULGEE TRANSITION: FOR ALL AIRCRAFT OVERFLYING OKM VOR/DME PROCEEDING VIA J181 BDF VORTAC PROCEEDING TO DESTINATIONS IN THE CHICAGO
 TERMINAL AREA AND NORTH.
 MC ALESTER TRANSITION: FOR ALL AIRCRAFT OVERFLYING THE MLC VORTAC OR INTERCEPTING J105.
 BLECO TRANSITION: ATC ASSIGNED.
 GRABE TRANSITION: ATC ASSIGNED.
 EAKER TRANSITION: FOR AIRCRAFT INBOUND TO THE TULSA TERMINAL AREA.
 ZEMMA TRANSITION: ATC ASSIGNED.

TAKEOFF MINIMUMS:

RWY 13R: STANDARD WITH MINIMUM CLIMB OF 482 FT PER NM TO 1700.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 13R, POLE 662 FT FROM DER, 601 FT RIGHT OF CENTERLINE, 29 FT AGL/501 FT MSL.
 SIGN 778 FT FROM DER, 669 FT LEFT OF CENTERLINE, 30 FT AGL/503 FT MSL.
 SIGN 1423 FT FROM DER, 763 FT LEFT OF CENTERLINE, 42 FT AGL/516 FT MSL.
 STACK 2234 FT FROM DER, 979 FT LEFT OF CENTERLINE, 62 FT AGL/537 FT MSL.

CONTROLLING OBSTACLES:

RWY 13R: 1368 FT MSL BLDG (48-004928) 324648.00N/0964814.00W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).

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

CHART: TOP ALTITUDE: 5000.



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CHART: 1368 BLDG 324648/964814 (3.80 NM FROM DEPARTURE END RWY 13R).
CHART: 1075 BLDG 324820/964733 (3.09 NM FROM DEPARTURE END RWY 13R).
CHART: 1194 BLDG 324717/964748 (3.63 NM FROM DEPARTURE END RWY 13R).

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DALLAS-LOVE FIELD	DALLAS	TX

COMMUNICATIONS:

DAL ATLS, DAL CLNC DEL. DAL GND CON, DAL TWR, REGIONAL DEP CON 118.55/290.35.

FIXES AND/OR NAVAIDS:

CHART: BYP VORTAC, URH VOR/DME, UKW VORTAC, MRMAC.

REMARKS:

ABBREVIATED AMENDMENT

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE

OFFICE SYMBOL:

FIOG

DATE:

Digitally signed by

ALLAN WILL

Jun 23, 2017

DEVELOPED BY:

ROBERT W. COOK

ROBERT W COOK

Digitally signed by ROBERT W COOK
Date: 2017.02.07 06:41:46 -06'00'

OFFICE SYMBOL:

AJV-5411

DATE:

02/06/2017

APPROVED BY:

GEORGE E. DAVIS

OFFICE SYMBOL:

AJV-5410

DATE:

Digitally signed by

ALLAN WILL

Jun 23, 2017

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZFW, RGNL APP CON, DAL ATCT, AMGR.

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION INITIAL HEADING CHANGED FROM 160 DEGREES TO 163 DEGREES-KDAL MAGNETIC DECLINATION CHANGED TO EAST 3 DEGREES, EPOCH 2020.
2. CHANGED DP ROUTE DESCRIPTION FACILITY DME AND ID REFERENCER FROM: 0.6 DME OUTBOUND ON THE DXF LOCALIZER TO: 0.7 DME OUTBOUND ON THE I-DXP LOCALIZER-TO MATCH ALL OTHER RWY 13R DP'S.
3. CHANGED TAKEOFF MINIMUMS TO READ: STANDARD WITH MINIMUM CLIMB OF 482 FT PER NM TO 1700-NEW CALCULATED CLIMB GRAIDIENT AND REPLACE FDC NOTAM 6/7014.
4. DELETED ALL REFERENCES TO "INT" IN TRANSITIONS ROUTES-NO LONGER REQUIRED DOCUMENTATION.
5. CHANGED AKUNA TO TIKYS TRANSITION ROUTE MEA FROM: 8000 TO: 11000-MRA FROM FUZ VORTAC AND MLC VORTAC IS 11000.
6. CHANGED TIKYS TO MLC VORTAC TRANSITION ROUTE COURSE FROM: 026.00, TO: 026.44-CORRECT TYPO ERROR FROM PREVIOUS FORM.



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7. CHANGED EAKER TO OKM VOR/DME TRANSITION ROUTE COURSE FROM: 016.00, TO: 016.49-CORRECT TYPO ERROR FROM PREVIOUS FORM.
8. CHANGED ADM VORTAC TO ROLLS TRANSITION ROUTE COURSE AND DISTANCE FROM: 303.00/145.19, TO: 303.22/145.20-CORRECT TYPO ERROR FROM PREVIOUS FORM.
9. CHANGED ZEMMA TO TUL VORTAC TRANSITION ROUTE COURSE FROM: 021.00, TO: 020.88-CORRECT TYPO ERROR FROM PREVIOUS FORM.
10. CHANGED BLECO TO ZEMMA TRANSITION ROUTE MEA FROM: 9000 TO: 11000-MRA FROM IRW VORTAC IS 11000 PER ESV (ALIGNS TO TULSA, WILL ROGERS AND ZEMMA TRANSITIONS).
11. IN DP ROUTE DESCRIPTION, CHANGED THE WORD "VIA" TO "ON"-CRITERIA, THE WORD VIA NO LONGER USED.
12. ADDED CHART: TOP ALTITUDE 5000 IN ADDITIONAL FLIGHT DATA-ATC REQUEST.
13. ADDED ABBREVIATED AMENDMENT IN REMARKS.
14. UPDATED TAKEOFF OBSTACLE NOTES-IDENTIFY NEW OBSTACLES.

06/12/2017 THIS IS AN CORRECTED COPY OF THE FORM DEVELOPED ON 02/06/2017.

1. CHANGED REASON # 8 FROM: LOWGN TO ADM VORTAC TRANSITION ROUTE COURSE AND DISTANCE FROM: 303.00/145.19, TO: 303.22/145.20-CORRECT TYPO ERROR FROM PREVIOUS FORM.
TO: ADM VORTAC TO ROLLS TRANSITION ROUTE COURSE AND DISTANCE FROM: 303.00/145.19, TO: 303.22/145.20-CORRECT TYPO ERROR FROM PREVIOUS FORM.

