

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
KRUMM	ONE	KRUMM1.FUZ	NINE	12/31/2020	08 SEP 2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☐

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13R - TURN RIGHT ON 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 FOR 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	KRUMM1.ADM	FUZ VORTAC	LOWGN	348.00 (FUZ R-348)	33.80	4000	2600	
		LOWGN	ADM VORTAC	359.00 (ADM R-179)	45.75	4000	2600	
BLECO	KRUMM1.BLECO	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80	4000	2700	
EAKER	KRUMM1.EAKER	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40	4000	2700	
		GRABE	EAKER	012.00 (FUZ R-012)	54.60	9000	3700	
GRABE	KRUMM1.GRABE	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40	4000	2700	
OKMULGEE	KRUMM1.OKM	FUZ VORTAC	GRABE	012.00 (FUZ R-012)	35.40	4000	2700	
		GRABE	EAKER	012.00 (FUZ R-012)	54.60	9000	3700	
		EAKER	OKM VOR DME	016.49 (OKM R-196)	90.40	11000	3400	
ROLLS	KRUMM1.ROLLS	FUZ VORTAC	LOWGN	348.00 (FUZ R-348)	33.80	4000	2600	
		LOWGN	ADM VORTAC	359.00 (ADM R-179)	45.75	4000	2600	
		ADM VORTAC	ROLLS	303.22 (ADM R-303)	145.20	15000	4500	
TULSA	KRUMM1.TUL	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80	4000	2700	
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20	9000	2900	
		ZEMMA	TUL VORTAC	020.88 (TUL R-201)	123.58	13000	3000	
WILL ROGERS	KRUMM1.IRW	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80	4000	2700	

**QUALITY
24
CHECKED**

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KRUMM		ONE	KRUMM1.FUZ	NINE	12/31/2020		08 SEP 2022
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20	9000	2900
		ZEMMA	IRW VORTAC	325.00 (IRW R-145)	65.91	11000	2900
ZEMMA	KRUMM1.ZEMMA	FUZ VORTAC	BLECO	360.00 (FUZ R-360)	33.80	4000	2700
		BLECO	ZEMMA	360.00 (FUZ R-360)	56.20	9000	2900

PROCEDURAL DATA NOTES:

THIS DP IS TO BE USED ONLY UPON ASSIGNMENT BY LOVE TOWER NORMALLY BETWEEN 2100-0600 LCL TIME.

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 ON J181 BDF VORTAC PROCEEDING TO DESTINATIONS IN THE CHICAGO TERMINAL AREA AND NORTH.

BLECO TRANSITION: ATC ASSIGNED.

GRABE TRANSITION: ATC ASSIGNED.

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

ZEMMA TRANSITION: ATC ASSIGNED.

PBN REQUIREMENTS NOTES:**EQUIPMENT REQUIREMENT NOTES:**

DME AND RADAR REQUIRED.

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES.

CONTROLLING OBSTACLES:

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

MSA:

CVE VOR/DME 090-270 3600, 270-090 2700

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

CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KDAL	DALLAS	TX

COMMUNICATIONS:

CHART ATIS: DAL ATLS. **DAL CLNC DEL:** DAL.

GND CON: DAL. **TOWER:** DAL.

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KRUMM	ONE	KRUMM1.FUZ	NINE	12/31/2020	08 SEP 2022

FIXES AND/OR NAVAIDS:

CHART: BYP VORTAC, MRMAC

REMARKS:

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY

CRAIG LARSON

Digitally signed by
CASIMIR L TABAKA
 Jun 02, 2022

OFFICE

FPO

DATE

05/31/2022

DEVELOPED BY

CASIMIR TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA
 May 02, 2022

OFFICE

AJV-A432

DATE

03/01/2022

APPROVED BY

LONNIE EVERHART

Digitally signed by
CASIMIR L TABAKA
 May 02, 2022

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, RGNL APP CON, DAL ATCT, AMGR.

CHANGES - REASONS:

1. CHANGED DP ROUTE DESCRIPTION FROM "**TAKEOFF RWY 13R** - TURN RIGHT ON 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. TO "**TAKEOFF RWY 13R** - TURN RIGHT ON 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 FOR VECTORS TO APPROPRIATE ROUTE, UNLESS OTHERWISE ADVISED MAINTAIN 5000 AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - CHANGED TO CORRECT VERBIAGE PER 8260.46H.
2. REMOVED PROCEDURAL DATA NOTE "ROLLS TRANSITION: FOR ALL AIRCRAFT PROCEEDING NORTHWEST BOUND ON J52" FROM PROCEDURAL DATA NOTES - J52 IS BEING CANCELED, PER FPT REQUEST.
3. REMOVED "REFERENCE MAG VAR: KDAL 3E EPOCH YR 2020" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED PER 8260.46H.
4. ADDED "CHART ATIS" AND REMOVED "REGIONAL DEP CON 118.55/290.35" IN COMMUNICATIONS - NO LONGER REQUIRED PER 8260.46H.
5. ADDED MSA "CVE VOR/DME 090-270 3600, 270-090 2700" - FROM ILS OR LOC RWY 31L, AMDT 22A.
6. MOVED "DME REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - PER 8260.46H APPENDIX E, SECTION 1-6.
7. ADDED MEAS FOR TRANSITION ROUTES: FUZ VORTAC TO LOWGN, FUZ VORTAC TO BLECO, FUZ VORTAC TO GRABE, BLECO TO ZEMMA AND ZEMMA TO IRW VORTAC - PER 8260.46H APPENDIX A, SECTION 2, PARA 4G.
8. ADDED MOCAS TO ALL TRANSITION ROUTES - PER 8260.46H APPENDIX A, SECTION 2, PARA 4H.

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