

**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SUPERSEDED NUMBER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>
TULSA	ONE	TUL1.TUL	NINE	12/02/2021	16 MAY 2024

<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"/>

**DP ROUTE DESCRIPTION:**

**KRVS:**  
**TAKEOFF RWY 1L, 1R:** CLIMB ON HEADING 010.34 TO 1500, THENCE...  
**TAKEOFF RWY 13:** CLIMB ON HEADING 130.05 TO 1500, THENCE...  
**TAKEOFF RWY 19L, 19R:** CLIMB ON HEADING 190.34 TO 1500, THENCE...  
**TAKEOFF RWY 31:** CLIMB ON HEADING 295.05 TO 1500, THENCE...

**KTUL:**  
**TAKEOFF RWY 18L, 18R:** CLIMB ON HEADING 180.09 TO 1100, THENCE...  
**TAKEOFF RWY 36L:** CLIMB ON HEADING 000.08 TO 1100, THENCE...  
**TAKEOFF RWY 36R:** CLIMB ON HEADING 000.09 TO 1100, THENCE...  
**TAKEOFF RWY 8:** CLIMB ON HEADING 086.42 TO 1100, THENCE...  
**TAKEOFF RWY 26:** CLIMB ON HEADING 266.44 TO 1100, THENCE...

...CONTINUE ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED ROUTE, MAINTAIN 15000 OR ASSIGNED LOWER ALTITUDE, EXPECT FURTHER CLEARANCE TO 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>
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**PBN REQUIREMENT NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

**PROCEDURAL DATA NOTES:**

**TAKEOFF MINIMUMS:**

**KRVS:**  
 RWY 1L, 1R, 19L, 19R: STANDARD.  
 RWY 13: 300-3 OR STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1000.  
 RWY 31: 400-2 1/4, OR 300-1 WITH MINIMUM CLIMB OF 315 FT PER NM TO 1100, OR STANDARD WITH MINIMUM CLIMB OF 610 FT PER NM TO 900.  
**KTUL:**  
 RWY 8, 18L, 18R, 36L, 36R: STANDARD.  
 RWY 26: STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 2900

**TAKEOFF OBSTACLES NOTES:**

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



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TULSA	ONE	TUL1.TUL	NINE	12/02/2021	16 MAY 2024

**CONTROLLING OBSTACLES:**

**KRVS**  
**RWY 13:** 788 FT MSL POLE 360144.89N/0955741.44W (CG/CGTA), 829 FT MSL TREE 360052.55N/0955609.15W (CEILING/VISIBILITY).  
**RWY 31:** 799 FT MSL TREE 360243.53N/0955947.04W (300-1 CEILING/VISIBILITY), 939 FT MSL TREE 360319.18N/0960031.42W (400 FT CEILING, 315 FT PER NM TO 1100 CG/CGTA), 909 FT MSL TREE 360358.82N/0960030.57W (2 1/4 SM VISIBILITY), 799 FT MSL TREE 360231.75N/0955945.20W (610 FT PER NM TO 900 CG/CGTA).

**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 1L, 1R, 19L, 19R:** 1323 FT MSL TOWER 360235.00N/0955714.00W (CLIMB-TO ALTITUDE).

**KTUL:**  
**RWY 26:** 2303 FT MSL TOWER 361146.52N/0960552.96W CG/CGTA.

**MSA:**  
 KRVS: TUL VORTAC 3600  
 KTUL: TUL VORTAC 100-280 3600, 280-100 3100

**LOST COMMUNICATIONS PROCEDURES:**  
 PROCEED TO AND HOLD EAST OF TUL VORTAC ON THE 080 RADIAL. CLIMB TO 15000 FEET OR LOWER REQUESTED ALTITUDE, THEN PROCEED ON COURSE ON FILED ROUTE. CLIMB TO REQUESTED ALTITUDE WHEN ESTABLISHED ON COURSE

**ADDITIONAL FLIGHT DATA:**  
 CHART: HOLDING PATTERN AT TUL VORTAC, HOLD E, RT, 260.00 INBOUND.  
 AIRPORT MV: RVS (P) 3E/2020, TUL 3E/2020.  
 ALL AIRPORTS - CHART: TOP ALTITUDE: 15000.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KTUL	TULSA	OK
KRVS	TULSA	OK

**COMMUNICATIONS:**

CHART: ATIS, RIVERSIDE TOWER, CLNC DEL, TULSA INTL TOWER, CTAF

**FIXES AND/OR NAVAIDS:**

CHART: FAM VORTAC, SGF VORTAC, RZC VORTAC, FSM VORTAC, BVO VOR/DME, IRW VORTAC, ADM VORTAC, TTT VOR/DME.

**REMARKS:**  
 ABBREVIATED AMENDMENT  
 APPROVAL LETTER ON FILE PERMITTING 610 FOOT PER NM CLIMB GRADIENT FOR KRVS RWY 31 ODP.

**FLIGHT INSPECTED BY**

**SIGNATURE**

**OFFICE**

**DATE**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 09, 2024

**DEVELOPED BY**

**SIGNATURE**

**OFFICE**

**DATE**

CASIMIR TABAKA (JOSHUA SAENZ)

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 09, 2024

AJV-A432

10/12/2023

**APPROVED BY**

**SIGNATURE**

**OFFICE**

**DATE**

**TITLE**

CASIMIR TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Feb 09, 2024

AJV-A432

MANAGER

**REQUIRED EFFECTIVE DATE**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
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**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:**ZKC, ZFW, ZME, TUL APP CON, TUL ATCT, AMGR

**CHANGES - REASONS:**

1. DP ROUTE DESCRIPTION: REMOVED "...CONTINUE ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED ROUTE, MAINTAIN 15000 OR ASSIGNED LOWER ALTITUDE, EXPECT FURTHER CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE." - SAME FOR BOTH AIRPORTS.
2. ADDED "RADAR REQUIRED" TO EQUIPMENT REQUIREMENT NOTES - 8260.46H. SECTION 2, PARA 6.
3. CONTROLLING OBSTACLES: CHANGED FROM "**RWY 1L, 1R, 19L, 19R:** 1323 FT MSL TOWER 360235.00N/0955714.00W (CLIMB-TO ALTITUDE)" TO "**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 1L, 1R, 19L, 19R:** 1323 FT MSL TOWER 360235.00N/0955714.00W (CLIMB-TO ALTITUDE)" - PER CURRENT CRITERIA STANDARDS DOCUMENTATION.
4. CONTROLLING OBSTACLES: REMOVED "1323 FT MSL TOWER 360235.00N/0955714.00W (CLIMB-TO ALTITUDE)" FROM KRSV RWY 13 AND RWY 31 - VCOAS ARE NOT DOCUMENTED ON SIDS.
5. ADDED MSA "KRVS: TUL VORTAC 3600" - CONCURENT WITH KRVS VOR/DME-A PROCEDURE.
6. ADDED MSA "KTUL: TUL VORTAC 100-280 3600, 280-100 3100" - CONCURENT WITH KTUL VOR/DME RWY 8 PROCEDURE.
7. ADDITIONAL FLIGHT DATA: CHANGED FROM "REFERENCE MAG VAR: KRVS 3E EPOCH YR 2020" TO "AIRPORT MV: RVS (P) 3E/2020, TUL 3E/2020" - UPDATED TO CORRECT FORMAT PER MEMO 283.
8. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART: TOP ALTITUDE: 15000" TO "ALL AIRPORTS - CHART: TOP ALTITUDE: 15000" - PER 8260.46J, APPENDIX D, SECTION 2, PARA 2M(C).
9. ADDED "CHART" AND REMOVED "TUL DEP CON" IN COMMUNICATIONS - PER CURRENT CRITERIA, DEPARTURE CONTROL FREQUENCY AUTOMATICALLY CHARTED.
10. REMOVED CNU VOR/DME FROM FIXES AND/OR NAVAIDS - CNU VOR MON DECOMMISSION.

QUALITY  
23  
CHECKED