

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SWTSR	TWO	SWTSR2.SWTSR	ONE	18 SEP 14	25 JUN 2015

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 13L:** CLIMB HEADING 129.63 TO 1000, THENCE...

**TAKEOFF RWY 13R:** CLIMB HEADING 129.62 TO 1000, THENCE...

...DIRECT TO CROSS DRSET AT OR ABOVE 4000, THEN ON TRACK 129.66 TO CROSS HAYZZ AT OR ABOVE 6000, THEN ON TRACK 128.95 TO CROSS SHRAM AT OR ABOVE 7000, THEN ON TRACK 085.32 TO LNDRE, THEN ON TRACK 011.14 TO SWTSR, THEN ON (TRANSITION). MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TAKEOFF RWY 31L:** CLIMB HEADING 309.63 TO 2700, THENCE...

**TAKEOFF RWY 31R:** CLIMB HEADING 309.64 TO 2700, THENCE...

...RIGHT TURN HEADING 010.00 OR AS ASSIGNED BY ATC, MAINTAIN 3000, EXPECT RADAR VECTORS TO CROSS SHRAM AT OR ABOVE 7000, THEN ON TRACK 085.32 TO LNDRE, THEN ON TRACK 011.14 TO SWTSR, THEN ON (TRANSITION). EXPECT FILED ALTITUDE 10 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	SWTSR2.ADM	SWTSR	LOWGN	TRACK 308.81	53.97	FL180	2700	
			ADM VORTAC	TRACK 359.09	45.75	FL180	2500	
BLECO	SWTSR2.BLECO	SWTSR	BLECO	TRACK 314.58	49.17	FL180	2700	
EAKER	SWTSR2.EAKER	SWTSR	GRABE	TRACK 321.92	44.84	FL180	2600	
			EAKER	TRACK 012.12	54.60	FL180	3800	
GRABE	SWTSR2.GRABE	SWTSR	GRABE	TRACK 321.92	44.84	FL180	2600	
MC ALESTER	SWTSR2.MLC	SWTSR	AKUNA	TRACK 330.02	41.50	FL180	2700	
			TIKYS	TRACK 022.19	41.90	FL180	3800	
			MLC VORTAC	TRACK 028.08	56.73	FL180	2600	
OKMULGEE	SWTSR2.OKM	SWTSR	GRABE	TRACK 321.92	44.84	FL180	2600	
			EAKER	TRACK 012.12	54.60	FL180	3800	
			OKM VOR/DME	TRACK 018.06	90.40	FL180	3400	
ROLLS	SWTSR2.ROLLS	SWTSR	LOWGN	TRACK 308.81	53.97	FL180	2700	
			ADM VORTAC	TRACK 359.09	45.75	FL180	2500	
			MRMAC	TRACK 303.22	60.00	FL180	2800	
			ROLLS	TRACK 302.69	85.20	FL180	4500	

QUALITY  
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CHECKED

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SWTSR	TWO	SWTSR2.SWTSR	ONE	18 SEP 14	25 JUN 2015
TIKYS	SWTSR2.TIKYS	SWTSR	AKUNA	TRACK 330.02	41.50 FL180 2700
				TRACK 022.19	41.90 FL180 3800
TULSA	SWTSR2.TUL	SWTSR	BLECO	TRACK 314.58	49.17 FL180 2700
			ZEMMA	TRACK 000.04	56.20 FL180 3700
			TUL VORTAC	TRACK 022.19	123.58 FL180 3000
WILL ROGERS	SWTSR2.IRW	SWTSR	BLECO	TRACK 314.58	49.17 FL180 2700
			ZEMMA	TRACK 000.04	56.20 FL180 3700
			IRW VORTAC	TRACK 326.54	65.91 FL180 2900
ZEMMA	SWTSR2.ZEMMA	SWTSR	BLECO	TRACK 314.58	49.17 FL180 2700
			ZEMMA	TRACK 000.04	56.20 FL180 3700

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** RADAR REQUIRED.

**NOTE:** DME/DME/IRU OR GPS REQUIRED.

**NOTE:** RNAV 1.

**NOTE:** FOR USE BY TURBOJET AIRCRAFT ONLY.

**NOTE:** PROPS FILE AND EXPECT TEXOMA DEPARTURE.

**NOTE:** EAKER TRANSITION FOR AIRCRAFT INBOUND TO TULSA TERMINAL AREA.

**NOTE:** AIRCRAFT INBOUND OKLAHOMA CITY TERMINAL AREA FILE AND EXPECT THE ZEMMA TRANSITION.

**NOTE:** MC ALESTER TRANSITION FOR AIRCRAFT OVERFLYING THE MLC VORTAC OR INTERCEPTING J105.

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

**NOTE:** ROLLS TRANSITION FOR AIRCRAFT PROCEEDING NORTHWESTBOUND VIA J52.

**NOTE:** TULSA TRANSITION FOR AIRCRAFT OVERFLYING TUL VORTAC.

**NOTE:** WILL ROGERS TRANSITION FOR AIRCRAFT OVERFLYING THE IRW VORTAC.

**NOTE:** USE THE TEXOMA DEPARTURE DURING THE PERIOD 2100-0600 LOCAL TIME IN LIEU OF THE SWTSR DEPARTURE.

**TAKEOFF MINIMUMS:**

**RWY 13L, 13R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1200. **RWY 31L, 31R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1000.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 13L,** TREES, POLES AND ELECTRICAL SYSTEMS BEGINNING 844 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/541 FT MSL. CRANE 5270 FT FROM DER, 568 FT LEFT OF CENTERLINE, 130 FT AGL/630 FT MSL.

**NOTE: RWY 13R,** POLES AND FENCES BEGINNING 693 FT FROM DER, 601 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/501 FT MSL. SIGN 779 FT FROM DER, 669 FT LEFT OF CENTERLINE, 30 FT AGL/503 FT MSL. TREES BEGINNING 1122 FT FROM DER, 670 FT LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/514 FT MSL. SIGN 1424 FT FROM DER, 763 FT LEFT OF CENTERLINE, 45 FT AGL/516 FT MSL. ROD ON STAKE 2234 FT FROM DER, 979 FT LEFT OF CENTERLINE, 65 FT AGL/537 FT MSL.

**NOTE: RWY 31L,** TREES BEGINNING 327 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/501 FT MSL.





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SWTSR	TWO	SWTSR2.SWTSR	ONE	18 SEP 14	25 JUN 2015

**CHANGES:**

1. CHANGED DP ROUTE DESCRIPTIONS TO REFLECT NEW TOP ALTITUDES FOR RWY 13L/13R (8000) AND 31L/31R (3000). COMBINED RESULTING RWY PAIRING COMMON ROUTES.
2. CHANGED 31L/31R VA LEG ALTITUDE FROM 1000 TO 2700, VM HEADING FROM CONTINUATION OF VA LEG HEADING TO 010.00.
3. DELETED DECKK TRANSITION ROUTE.
4. CHANGED SWTSR TO BLECO MEA FROM 15900 TO FL180.
5. DELETED NOTE: DECKK TRANSITION FOR AIRCRAFT INBOUND TO OKLAHOMA CITY TERMINAL AREA.
6. ADDED NOTE: AIRCRAFT INBOUND OKLAHOMA CITY TERMINAL AREA FILE AND EXPECT THE ZEMMA TRANSITION.
7. ADDED NOTE: USE THE TEXOMA DEPARTURE DURING THE PERIOD 2100-0600 LOCAL TIME IN LIEU OF THE SWTSR DEPARTURE.
8. CHANGED CONTROLLING OBSTACLE RWY 13L/13R FROM ANTENNA TO BLDG.

**REASONS:**

- 1 - 7. ATC REQUEST.
8. CURRENT OBSTACLE DATA.



## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
SWTSR		TWO		SWTSR2.SWTSR			ONE		18 SEP 14	25 JUN 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW13L (AER)*	325123.36N/0965121.21W*	N	-	-	-	-			*DISPL THLD (400 FT)	
1000 MSL		-	-	VA	135.63	-			CG 500 FT/NM TO 1200	
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/ABOVE 4000			
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000			
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	AT/ABOVE 7000			
RW13R (AER)*	325101.28N/0965144.42W*	N	-	-	-	-			*DISPL THLD (490 FT)	
1000 MSL		-	-	VA	135.62	-			CG 500 FT/NM TO 1200	
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/ABOVE 4000			
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000			
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	AT/ABOVE 7000			
RW31L (AER)	325002.51N/0965036.30W	N	-	-	-	-				
2700 MSL		-	-	VA	315.63	-			CG 500 FT/NM TO 1000	
		-	-	VM	016.00	-			RIGHT TURN	
SHRAM	324059.89N/0963942.44W	Y	FB	DF	-	-	AT/ABOVE 7000			
RW31R (AER)	325031.36N/0965020.95W	N	-	-	-	-				
2700 MSL		-	-	VA	315.64	-			CG 500 FT/NM TO 1000	
		-	-	VM	016.00	-			RIGHT TURN	
SHRAM	324059.89N/0963942.44W	Y	FB	DF	-	-	AT/ABOVE 7000			
SHRAM	324059.89N/0963942.44W	Y	-	IF	-	-				
LNDRE	324050.94N/0963214.09W	Y	FB	TF	091.32	6.31				
SWTSR	324904.80N/0962913.74W	Y	FB	TF	017.14	8.60				
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.ADM	
LOWGN	332702.70N/0971459.29W	Y	FB	TF	314.81	53.97				
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75				
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.BLECO	
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17				

QUALITY  
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SWTSR		TWO	SWTSR2.SWTSR				ONE	18 SEP 14	25 JUN 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.EAKER
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84			
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.GRABE
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.IRW
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17			
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			
IRW VORTAC	352130.95N/0973633.22W	Y	FB	TF	332.54	65.91			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.MLC
AKUNA	332702.48N/0964923.30W	Y	FB	TF	336.02	41.50			
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90			
MLC VORTAC	345057.99N/0954656.44W	Y	FB	TF	034.08	56.73			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.OKM
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84			
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			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.ROLLS
LOWGN	332702.70N/0971459.29W	Y	FB	TF	314.81	53.97			
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			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.TIKYS
AKUNA	332702.48N/0964923.30W	Y	FB	TF	336.02	41.50			
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90			



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SWTSR		TWO		SWTSR2.SWTSR			ONE		18 SEP 14	25 JUN 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.TUL	
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17				
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20				
TUL VORTAC	361146.51N/0954717.13W	Y	FB	TF	028.19	123.58				
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR2.ZEMMA	
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17				
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20				

