

**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SUPERSEDED NUMBER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>
JOE POOL	TWO	JPOOL2.TTT	ONE	05/21/2020	
<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:

DALLAS-FORT WORTH INTL

TAKEOFF RWY 31L/R: CLIMB ON ASSIGNED HEADING, MAINTAIN 5000 THENCE...
TAKEOFF RWY 13L/R, 17L, 35R: CLIMB ON ASSIGNED HEADING, MAINTAIN 10000, THENCE...
TAKEOFF RWY 17C/R: CLIMB ON HEADING 160.00, MAINTAIN 10000, THENCE...
TAKEOFF RWY 18L/R: CLIMB ON HEADING 190.00, MAINTAIN 10000, THENCE...
TAKEOFF RWY 35L/C: CLIMB ON HEADING 010.00, MAINTAIN 10000, THENCE...
TAKEOFF RWY 36L/R: CLIMB ON HEADING 340.00, MAINTAIN 10000, THENCE...

... ON VECTORS TO APPROPRIATE ROUTE, UNLESS OTHERWISE ADVISED MAINTAIN ASSIGNED ALTITUDE AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

DALLAS-LOVE FIELD

JETS: TAKEOFF RWY 13L/R: CLIMB ON HEADING 133.00, FOR VECTOR TO APPROPRIATE ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.
JETS: TAKEOFF RWY 31L/R: CLIMB ON HEADING 313.00 UNTIL THE LVF OR OVW LOCALIZER 5.50 DME, THEN RIGHT TURN HEADING 013.00 FOR VECTOR TO THE APPROPRIATE ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.
PROPS: PROPS DEPARTING DAL MUST CONTACT CLEARANCE DELIVERY FOR DEPARTURE INSTRUCTIONS.

DALLAS EXECUTIVE

TAKEOFF RWY 13: CLIMB ON HEADING 129.08 TO 1800 BEFORE TURNING WESTBOUND.
TAKEOFF RWY 17: CLIMB ON HEADING 174.13 TO 2600 BEFORE TURNING WESTBOUND.
TAKEOFF RWY 31: CLIMB ON HEADING 309.09 TO 1500 BEFORE TURNING SOUTHBOUND.
TAKEOFF RWY 35: CLIMB ON HEADING 354.13 TO 1400 BEFORE TURNING SOUTHBOUND.

FORT WORTH ALLIANCE

TAKEOFF RWY 16R: CLIMB ON HEADING 166.21 TO 1100 BEFORE TURNING RIGHT.

FORT WORTH MEACHAM INTL

TAKEOFF RWY 16: CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE.
TAKEOFF RWY 17: CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE.

FORT WORTH SPINKS

TAKEOFF RWY 17R: CLIMB ON HEADING 173.11 TO 1200 BEFORE TURNING RIGHT.

ARLINGTON MUNI

TAKEOFF RWY 16: CLIMB ON HEADING 162.02 TO 2500 BEFORE TURNING LEFT.
TAKEOFF RWY 34: CLIMB ON HEADING 342.02 TO 1400 BEFORE TURNING SOUTHEAST BOUND.

GRAND PRAIRIE MUNI

TAKEOFF RWY 17: CLIMB ON HEADING 189.34 TO 2500 BEFORE PROCEEDING ON COURSE.

LANCASTER RGNL

TAKEOFF RWY 31: CLIMB ON HEADING 314.32 TO 1800 BEFORE TURNING LEFT.



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JOE POOL	TWO	JPOOL2.TTT	ONE	05/21/2020	

DEPARTING ADDISON, DALLAS EXECUTIVE, MCKINNEY NATIONAL, FORT WORTH ALLIANCE, FORT WORTH MEACHAM INTL, FORT WORTH SPINKS, FORT WORTH NAS JRB/
CARSWELL FIELD, ARLINGTON MUNI, DENTON ENTERPRISE, GRAND PRAIRIE MUNI, LANCASTER RGNL, MESQUITE METRO: WHEN ENTERING CONTROLLED AIRSPACE, FLY ASSIGNED HEADING
AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

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>
ARDIA	JPOOL2.ARDIA	TTT VOR/DME	ARDIA	165.51 (TTT R-166)	35.36	4000		
BILEE	JPOOL2.BILEE	TTT VOR/DME	DARTZ	155.52 (TTT R-156)	36.52	4000		
		DARTZ	BRDEN	155.52 (TTT R-156)	25.18	6000		
		BRDEN	TORNN	155.52 (TTT R-156)	23.08	6000		
		TORNN	BILEE	154.40 (TNV R-334)	22.38	6000		
BRDEN	JPOOL2.BRDEN	TTT VOR/DME	DARTZ	155.52 (TTT R-156)	36.82	4000		
		DARTZ	BRDEN	155.52 (TTT R-156)	25.18	6000		
COLLEGE STATION	JPOOL2.CLL	TTT VOR/DME	ARDIA	165.51 (TTT R-166)	35.36	4000		
		ARDIA	ELLVR	165.51 (TTT R-166)	34.92	7000		
		ELLVR	CLL VORTAC	154.09 (CLL R-334)	69.44	7000		
ELLVR	JPOOL2.ELLVR	TTT VOR/DME	ARDIA	165.51 (TTT R-166)	35.36	4000		
		ARDIA	ELLVR	165.51 (TTT R-166)	34.92	7000		
HOARY	JPOOL2.HOARY	TTT VOR/DME	NELYN	185.94 (TTT R-186)	35.75	4000		
		NELYN	ACT VORTAC	177.47 (ACT R-357)	37.52	4000		
		ACT VORTAC	HOARY	193.00 (ACT R-193)	70.00	12000		
JASPA	JPOOL2.JASPA	TTT VOR/DME	JASPA	175.54 (TTT R-176)	34.99	4000		
SAN ANTONIO	JPOOL2.SAT	TTT VOR/DME	NELYN	185.94 (TTT R-186)	35.75	4000		
		NELYN	ACT VORTAC	177.47 (ACT R-357)	37.52	4000		
		ACT VORTAC	HOARY	193.00 (ACT R-193)	70.00	12000		
		HOARY	SAT VORTAC	204.41 (SAT R-024)	66.29	12000		

QUALITY
8
CHECKED

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JOE POOL		TWO	JPOOL2.TTT	ONE	05/21/2020	
TORNN	JPOOL2.TORNN	TTT VOR/DME	DARTZ	155.52 (TTT R-156)	36.82	4000
		DARTZ	BRDEN	155.52 (TTT R-156)	25.18	6000
		BRDEN	TORNN	155.52 (TTT R-156)	23.08	6000
WACO	JPOOL2.ACT	TTT VOR/DME	NELYN	185.94 (TTT R-186)	35.75	4000
		NELYN	ACT VORTAC	177.47 (ACT R-357)	37.52	4000
WINDU	JPOOL2.WINDU	TTT VOR/DME	JASPA	175.54 (TTT R-176)	34.99	4000
		JASPA	WINDU	175.54 (TTT R-176)	45.19	8000

PROCEDURAL DATA NOTES:

ARDIA TRANSITION: ATC ASSIGNED.

BRDEN TRANSITION: ATC ASSIGNED.

BILEE TRANSITION: FOR NON GPS OR DME/DME/IRU EQUIPPED AIRCRAFT OVERFLYING BILEE INT THEN ON THE APPROPRIATE STAR TO IAH, CXO, OR DWH. ALSO FOR AIRCRAFT OVERFLYING BILEE INT ON J87 TO TNV VOR/DME.

COLLEGE STATION TRANSITION: FOR PISTON AND TURBOPROP AIRCRAFT DESTINED TO HOU, EFD, GLS, OR LBX. ALSO FOR ALL OTHER AIRCRAFT TYPES DESTINED TO ALL OTHER HOUSTON TERMINAL AREA AIRPORTS EXCEPT IAH, CXO, OR DWH.

ELLVR TRANSITION: FOR TURBOJET AIRCRAFT DESTINED TO HOU, EFD, GLS, OR LBX.

JASPA TRANSITION: ATC ASSIGNED.

SAN ANTONIO TRANSITION: FOR AIRCRAFT OVERFLYING CENTEX AND SAN ANTONIO.

TORNN TRANSITION: FOR GPS OR DME/DME/IRU EQUIPPED AIRCRAFT OVERFLYING TORNN INT THEN ON THE APPROPRIATE RNAV STAR TO IAH, CXO, OR DWH. ALSO FOR AIRCRAFT LANDING IN THE LAFAYETTE, LAKE CHARLES, OR BEAUMONT/PORT ARTHUR TERMINAL AREAS.

WACO TRANSITION: FOR AIRCRAFT INBOUND TO WACO OR GRAY TERMINAL AREA AIRPORTS.

WINDU TRANSITION: FOR AIRCRAFT INBOUND TO AUSTIN OR SAN ANTONIO TERMINAL AIRPORTS, AIRCRAFT SHOULD FILE AND/OR EXPECT THE BLEWE OR MARCS ARRIVAL AT WINDU.

NOTE (ALL AIRPORTS): RADAR AND DME REQUIRED.

NOTE (DALLAS-FORT WORTH INTL ONLY): PROPS: EXPECT KEENE OR TRI-GATE DEPARTURE.

TAKEOFF MINIMUMS:

DALLAS-FORT WORTH INTL

RWY 13R, 13L, 17R, 17C, 17L, 18R, 18L, 31R, 31L, 35C, 35L, 36R, 36L, STANDARD.

RWY 35R, STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 1200.

DALLAS-LOVE FIELD

RWY 31L/R, STANDARD.

RWY 13L, STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 1700.

RWY 13R, STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 1700.

ADDISON

RWY 33, STANDARD.

RWY 15, 400 - 2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 1100.

DALLAS EXECUTIVE

RWY 13, 31, 35, STANDARD.

RWY 17, 400 - 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1200.

MCKINNEY NATIONAL

RWY 18, 36, STANDARD.



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FORT WORTH ALLIANCE

RWY 34R, 34L, STANDARD.

RWY 16L, 300 - 2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 208 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DER.

RWY 16R, 300 - 2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

FORT WORTH MEACHAM INTL

RWY 16, 17, STANDARD.

RWY 34, 300 - 2 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FT PRIOR TO DER.

RWY 35, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

FORT WORTH SPINKS

RWY 17L, 35R, NA-ENVIRONMENTAL.

RWY 17R, 35L, STANDARD.

FORT WORTH NAS JRB/CARSWELL FIELD

REFER TO APPROPRIATE MILITARY SERVICE DIRECTIVES.

ARLINGTON MUNI

RWY 16, 34, STANDARD.

DENTON ENTERPRISE

RWY 18R, 36L: STANDARD.

RWY 18L, 36R: STANDARD.

GRAND PRAIRIE MUNI

RWY 35, NA-ATC. **RWY 17**, STANDARD.

LANCASTER RGNL

RWY 13, STANDARD.

RWY 31, 300 -1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

MESQUITE METRO

RWY 18, 36, STANDARD.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

DALLAS-FORT WORTH INTL

RWY 35R: 1016 FT MSL TOWER 325629.00N/0965931.00W.

DALLAS-LOVE FIELD

RWY 13L, 13R: 1368 FT MSL ANTENNA ON BLDG 324648.00N/0964814.00W.

RWY 31L, 31R: 1049 FT MSL TOWER 325216.00N/0965523.00W.



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ADDISON
RWY 15: 850 FT MSL BUILDING 325629.00N/0964925.00W, 975 FT MSL BUILDING 325540.81N/0964919.57W, 973 FT MSL BUILDING 325536.93N/0964906.47W.

DALLAS EXECUTIVE
RWY 17: 1027 FT MSL TOWER 323817.80N/0965154.09W. 2549 FT MSL TOWER 323502.67N/0965748.75W.
RWY 13, 35: 2549 FT MSL TOWER 323502.67N/0965748.75W.
RWY 31: 2449 FT MSL TOWER 323506.00N/0965842.00W.

FORT WORTH ALLIANCE
RWY 16L: 954 FT MSL TANK 325641.21N/0971909.98W.
RWY 16R: 954 FT MSL TANK 325641.21N/0971909.98W. 1002 FT MSL TOWER 325653.00N/0971932.00W.

FORT WORTH MEACHAM INTL
RWY 16, 17: 1743 FT MSL TOWER 324501.00N/0971608.00W.
RWY 34: 970 FT MSL BUILDING 325123.18N/0972128.11W.
RWY 35: 821 FT MSL TRANSMISSION TOWER 325026.45N/0972224.41W. 826 FT MSL TRANSMISSION TOWER 325026.78N/0972232.32W.

FORT WORTH SPINKS
RWY 17R: 1772 FT MSL TOWER 323212.00N/0972446.86W

ARLINGTON MUNI
RWY 16, 34: 2549 FT MSL TOWER 323502.67N/0965748.75W.

GRAND PRAIRIE MUNI
RWY 17: 2549 FT MSL TOWER 323502.67N/0965748.75W.

LANCASTER RGNL
RWY 31: 661 FT MSL TRANSMISSION TOWER 323601.76N/0964358.15W. 2549 FT MSL TOWER 323502.67N/0965748.75W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: ACT R-093 AT TORNN; LOA R-269 AT BILEE; ACT R-074 AT ELLVR; ACT R-120 AND CWK R-012 AT WINDU; CWK R-307 AT HOARY.
CHART: TSA GLIDERPORT.
CHART HOLDING PATTERN: TORNN (HOLD NW ON TNV R-334, RIGHT TURNS, 154.40 INBOUND).
CHART: CLL VORTAC - 113.3
CHART NOTE: DALLAS-FORT WORTH INTL DEPARTURES: MAINTAIN 240 KIAS UNTIL LEAVING 5000.
DALLAS-FORT WORTH INTL: CHART: TOP ALTITUDE: RWY 13L/R, 17L/C/R, 18L/R, 35L/C/R, 36L/R: 10000; RWY 31L/R: 5000.
DALLAS-LOVE FIELD: CHART: TOP ALTITUDE ALL RUNWAYS: ASSIGNED BY ATC.
REFERENCE MAG VAR KDFW: 4E EPOCH YR 2015.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
DALLAS-FORT WORTH INTL	KDFW	DALLAS-FORT WORTH	TX
DALLAS LOVE FIELD	KDAL	DALLAS	TX
ADDISON	KADS	DALLAS	TX
DALLAS EXECUTIVE	KRBD	DALLAS	TX



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JOE POOL	TWO	JPOOL2.TTT	ONE	05/21/2020	
MCKINNEY NATIONAL	KTKI		DALLAS		TX
FORT WORTH ALLIANCE	KAFW		FORT WORTH		TX
FORT WORTH MEACHAM INTL	KFTW		FORT WORTH		TX
FORT WORTH SPINKS	KFWS		FORT WORTH		TX
FORT WORTH NAS JRB (CARSWELL) FIELD	KNFW		FORT WORTH		TX
ARLINGTON MUNI	KGKY		ARLINGTON		TX
DENTON ENTERPRISE	KDTO		DENTON		TX
GRAND PRAIRIE MUNI	KGPM		GRAND PRAIRE		TX
LANCASTER RGNL	KLNC		LANCASTER		TX
MESQUITE METRO	KHQZ		MESQUITE		TX

COMMUNICATIONS:

ATIS: DFW, DAL, ADS, RBD, AFW, FTW, FWS, NFW. **CLNC DEL:** DFW, DAL, ADS, RBD, TKI, AFW, FTW, NFW, GKY, DTO.

GND CON: DFW, DAL, ADS, RBD, TKI, AFW, FTW, FWS, NFW, GKY, DTO, GPM. **TOWER:** DFW, DAL, ADS, RBD, TKI, AFW, FTW, FWS, NFW, GKY, DTO, GPM.

CTAF: ADS, RBD, TKI, FWS, GKY, DTO, GPM, LNC, HQZ. **DEP CON:** REGIONAL DEP CON.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP
(AJF-10) MEMO, APRIL 29, 2020, SUBJECT: FLIGHT
INSPECTION REVIEW NOT REQUIRED.

Digitally signed by

JOHN BORDY

Jul 06, 2020

OFFICE

DATE

DEVELOPED BY

AUSTIN GOTCHER

Digitally signed by

AUSTIN GOTCHER

Jun 15, 2020

OFFICE

AJV-A422

DATE

04/02/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Jul 06, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒

ALPA ☒

AOPA ☒

APA ☒

HAI ☐

NBAA ☒

OTHER:ZFW, DFW ATCT, REGIONAL APP CON, AMGR.



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CHANGES - REASONS:

- 1. CHANGED TAKEOFF MINIMUMS AT DENTON FROM "RWY 18, 36" TO "RWY 18L, 36R. - RWY 18/36 CHANGED TO RWY 18L/36R DUE TO NEW PARALLEL RUNWAY ADDITION.
- 2. TAKEOFF MINIMUMS: ADDED "RWY 18R,36L: STANDARD (PREVIOUSLY RWY 17/35) AT DENTON KDTO. - NEW PARALLEL RUNWAYS ADDED WITH STANDARD TAKEOFF MINS SET TO PUBLISH ON SAME CHART DATE.
- 3. ADDED REFERENCE MAG VAR KDFW: 4E EPOCH YR 2015 TO ADDITIONAL FLIGHT DATA. - IAW 8260.46.

