

**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SUPERSEDED NUMBER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>
WORTH	FOUR	WORTH4.TTT	THREE	12/05/2019	21 MAY 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 13L/R, 17C/L/R: CLIMB ON ASSIGNED HEADING AND ALTITUDE, THENCE...

TAKEOFF RWY 35C/L/R: CLIMB ON HEADING 010.00, THENCE...

TAKEOFF RWY 18L/R: CLIMB ON HEADING 190.00, THENCE...

TAKEOFF RWY 36L/R: CLIMB ON HEADING 340.00, THENCE...

...ON RADAR VECTORS TO APPROPRIATE ROUTE, UNLESS OTHERWISE ADVISED MAINTAIN 10000 AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L/R: CLIMB ON ASSIGNED HEADING AND ALTITUDE, THENCE....

...ON RADAR VECTORS TO APPROPRIATE ROUTE, UNLESS OTHERWISE ADVISED MAINTAIN 5000 AND EXPECT FILED ALTITUDE 10 MINS AFTER DEPARTURE.

DALLAS LOVE FIELD

TAKEOFF RWY 13L/R: CLIMB ON HEADING 133.00, THENCE...

...ON VECTORS TO APPROPRIATE ROUTE. MAINTAIN ATC ASSIGNED AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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, THENCE...

...MAINTAIN ATC ASSIGNED AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

DALLAS EXECUTIVE

TAKEOFF RWY 13: CLIMB ON HEADING 129.08 TO 1800 BEFORE TURNING WESTBOUND, THENCE...

TAKEOFF RWY 17: CLIMB ON HEADING 174.13 TO 2600 BEFORE TURNING WESTBOUND, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 309.09 TO 1500 BEFORE TURNING SOUTHBOUND, THENCE...

TAKEOFF RWY 35: CLIMB ON HEADING 354.13 TO 1400 BEFORE TURNING SOUTHBOUND, THENCE...

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

FORT WORTH ALLIANCE

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

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

FORT WORTH MEACHAM INTL

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

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

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

FORT WORTH SPINKS

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



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...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

ARLINGTON MUNI

TAKEOFF RWY 16: CLIMB ON HEADING 162.02 TO 2500 BEFORE TURNING LEFT, THENCE...

TAKEOFF RWY 34: CLIMB ON HEADING 342.02 TO 1400 BEFORE TURNING SOUTHEAST BOUND, THENCE...

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

GRAND PRAIRIE MUNI

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

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

LANCASTER RGNL

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

...FLY ASSIGNED HEADING AND ALTITUDE, FOR VECTOR TO APPROPRIATE ROUTE.

DEPARTING ADDISON, MCKINNEY NATIONAL, FORT WORTH NAS JRB (CARSWELL FIELD), DENTON ENTERPRISE, MESQUITE METRO: 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>
ABILENE	WORTH4.ABI	TTT VOR/DME	PODDE	250.47 (TTT R-250)	36.07	4000		
		PODDE	MQP VORTAC	260.89 (MQP R-081)	13.37	4000		
		MQP VORTAC	ABI VORTAC	252.69 & 250.69 (MQP R-253 & ABI R-071)	95.71	4000		
CHILDRESS	WORTH4.CDS	TTT VOR/DME	FERRA	285.01 (TTT R-285)	37.41	4000		
		FERRA	SCABI	285.01 (TTT R-285)	91.93	14000		
		SCABI	CDS VORTAC	306.75 (CDS R-127)	61.33	FL180		
CORONA	WORTH4.CNX	TTT VOR/DME	CEOLA	263.91 (TTT R-264)	35.01	4000		
		CEOLA	KIRST	263.91 (TTT R-264)	94.36	FL180		
		KIRST	LBB VORTAC	282.36 (LBB R-102)	127.42	FL180		
		LBB VORTAC	CNX VORTAC	271.98 & 267.87 (LBB R-272 & CNX R-088)	191.81	FL180		
LUBBOCK	WORTH4.LBB	TTT VOR/DME	CEOLA	263.91 (TTT R-264)	35.01	4000		
		CEOLA	KIRST	263.91 (TTT R-264)	94.36	FL180		
		KIRST	LBB VORTAC	282.36 (LBB R-102)	127.42	FL180		

QUALITY
8
CHECKED

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MILLSAP	WORTH4.MQP	TTT VOR/DME		PODDE	250.47 (TTT R-250)	36.07	4000
		PODDE		MQP VORTAC	260.89 (MQP R-081)	13.37	4000
PANHANDLE	WORTH4.PNH	TTT VOR/DME		FERRA	285.01 (TTT R-285)	37.41	4000
		FERRA		SCABI	285.01 (TTT R-285)	91.93	14000
		SCABI		CDS VORTAC	306.75 (CDS R-127)	61.33	FL180
		CDS VORTAC		PNH VORTAC	297.07 & 298.27 (CDS R-297 & PNH R-118)	86.86	FL180
PODDE	WORTH4.PODDE	TTT VOR/DME		PODDE	250.47 (TTT R-250)	36.07	4000
TEXICO	WORTH4.TXO	TTT VOR/DME		CEOLA	263.91 (TTT R-264)	35.01	4000
		CEOLA		KIRST	263.91 (TTT R-264)	94.36	FL180
		KIRST		LBB VORTAC	282.36 (LBB R-102)	127.42	FL180
		LBB VORTAC		TXO VORTAC	305.00 & 304.48 (LBB R-305 & TXO R-124)	66.08	FL180

PROCEDURAL DATA NOTES:

PODDE TRANSITION: ATC ASSIGNED.

NOTE (ALL AIRPORTS): RADAR AND DME REQUIRED.

NOTE (DALLAS-FORT WORTH AND DALLAS LOVE FIELD ONLY): PROPS: EXPECT COYOTE OR KINGDOM DEPARTURE.

TAKEOFF MINIMUMS:

DALLAS-FORT WORTH INTL

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

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

DALLAS LOVE FIELD

RWY 31L, 31R, STANDARD. RWY 13L, STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 1700. RWY 13R, STANDARD WITH A 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.

FORT WORTH ALLIANCE

RWY 16L, 34L, 34R, NA-ATC.

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.



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FORT WORTH MEACHAM INTL

RWY 34, 35, NA-ATC.

RWY 16, 17, STANDARD.

FORT WORTH SPINKS

RWY 17L, 35R, NA-ENVIRONMENTAL.

RWY 35L, NA-ATC.

RWY 17R, STANDARD.

FORT WORTH NAS JRB (CARSWELL FIELD)

REFER TO APPROPRIATE MILITARY SERVICE DIRECTIVES.

ARLINGTON MUNI

RWY 16, 34, STANDARD.

DENTON ENTERPRISE

RWY 18, 36, STANDARD.

GRAND PRAIRIE MUNI

RWY 35, NA-ATC.

RWY 17, STANDARD.

LANCASTER RGNL

RWY 13, NA-ATC.

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.

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 MEACHAM INTL

RWY 16, 17: 1743 FT MSL TOWER 324501.00N/0971608.00W.

FORT WORTH SPINKS

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



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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: ABI R-022 AT KIRST; SPS R-233 AT SCABI.

CHART: DALLAS-FT WORTH DEPARTURES: MAINTAIN 240 KIAS UNTIL LEAVING 5000.

MOCAS NOT CHARTED BY ATC REQUEST.

CHART: TOP ALTITUDE: KDFW RUNWAYS 13L/R, 17L/C/R, 18L/R, 35L/C/R, 36L/R: 10000. KDFW RUNWAYS 31L/R: 5000, ALL OTHER AIRPORTS: ATC ASSIGNED

REFERENCE MAGNETIC VARIATION KDFW: 4E/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
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 (CARWELL FIELD)	KNFW	FORT WORTH	TX
ARLINGTON MUNI	KGKY	ARLINGTON	TX
DENTON ENTERPRISE	KDTO	DENTON	TX
GRAND PRARIE MUNI	KGPM	GRAND PRARIE	TX
LANCASTER RGNL	KLNC	LANCASTER	TX
MESQUITE METRO	KHQZ	MESQUITE	TX

COMMUNICATIONS:**ATIS:** DFW, DAL, ADS, RBD, AFW, FTW, FWS, NFW.QUALITY
8
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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: ALL AIRPORTS.

CPDLC: DFW, DAL.

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY

PROC IAW ACFT OPS GRP (AJW-33) MEMO, 10/3/18,

SUB: FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

ALLAN WILL

Feb 18, 2020

OFFICE

DATE

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

Feb 06, 2020

OFFICE

AJV-A423

DATE

12/12/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Feb 18, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒

ALPA ☒

AOPA ☒

APA ☒

HAI ☐

NBAA ☒

OTHER:

ZFW, DFW TOWER, DAL TOWER, REGIONAL DEP CON, ADS ATCT, RBD ATCT, TKI ATCT, AFW ATCT, FTW ATCT, FWS ATCT, NFW ATCT, GKY ATCT, DTO ATCT, GPM ATCT, AMGR(S).

CHANGES - REASONS:

1. REMOVED UKW R-165 AT FERRA FROM CHARTING IN ADDITIONAL FLIGHT DATA - UKW VORMON.

2. CHANGED "CLIMB HEADING" TO "CLIMB ON HEADING" FOR ALL AIRPORTS IN DP ROUTE DESCRIPTION - 8260-46G, 1-1-1A(3).

3. REMOVED "A" FROM CLIMB GRADIENT VERBIAGE FOR ALL AIRPORTS WITH CLIMB GRADIENT IN TAKEOFF MINIMUMS - NOT IAW THE 8260-46G.