

**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SUPERSEDED NUMBER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>
KINGDOM	FIVE	KING5.TTT	FOUR	01/25/2024	<b>17 APR 2025</b>
<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"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**  
**DALLAS-FORT WORTH INTL**

**JETS: TAKEOFF RWY 13L/R, 17L/C/R, 18L/R, 31L/R, 35L/C/R, 36L/R:** CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE, THENCE...

...MAINTAIN 10000 AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**PROPS:**

**TAKEOFF RWY 13L/R, 17L/C/R, 18L/R:** CLIMB ON HEADING 240.00 THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE, THENCE...

**TAKEOFF RWY 31L/R, 35L/C/R 36L/R:** CLIMB ON HEADING 270.00 THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE, THENCE...

...MAINTAIN 2000 AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**DALLAS LOVE FLD**

**TAKEOFF RWY 13L/R:** CLIMB ON HEADING 133.00, CROSS CVE 13.00 DME AT OR BELOW 6000, THEN MAINTAIN 8000 FOR RADAR VECTORS TO APPROPRIATE ROUTE AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TAKEOFF RWY 31L/R:** CLIMB ON HEADING 313.00 UNTIL THE I-LVF 5.50 DME OR I-OVW 5.50 DME, THEN RIGHT TURN HEADING 013.00 FOR RADAR VECTORS TO APPROPRIATE ROUTE, MAINTAIN ATC ASSIGNED ALTITUDE AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**DALLAS EXEC**

**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.

**PEROT FLD/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 165.90 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 18R:** CLIMB ON HEADING 177.11 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 18:** CLIMB ON HEADING 192.34 TO 2500 BEFORE PROCEEDING ON COURSE.

**LANCASTER RGNL**

**TAKEOFF RWY 31:** CLIMB ON HEADING 314.31 TO 1800 BEFORE TURNING LEFT.



**DECATUR MUNI:**  
**TAKEOFF RWY 17:** CLIMB ON HEADING 169.45 TO 1700 BEFORE PROCEEDING NORTH.

**BOURLAND FLD**  
**TAKEOFF RWY 17:** CLIMB ON HEADING 165.44 TO 1400 BEFORE TURNING RIGHT.

**MID-WAY RGNL**  
**TAKEOFF RWY 18:** CLIMB ON HEADING 177.98 TO 1700 BEFORE PROCEEDING NORTHBOUND.  
**TAKEOFF RWY 36:** CLIMB ON HEADING 012.98 TO 2700 BEFORE TURNING LEFT.

**PARKER COUNTY**  
**TAKEOFF RWY 35:** CLIMB ON HEADING 355.37 TO 1600 BEFORE TURNING LEFT.

**DEPARTING ADDISON, ARLINGTON MUNI, MCKINNEY NTL, FORT WORTH NAS JRB (CARSWELL FLD), DENTON ENTERPRISE, PEROT FLD/FORT WORTH ALLIANCE, DALLAS EXEC, GRAND PRAIRIE MUNI, MID-WAY RGNL, FORT WORTH MEACHAM INTL, FORT WORTH SPINKS, MESQUITE METRO, CLEBURNE RGNL, ENNIS MUNI, RALPH M. HALL/ROCKWELL MUNI, LANCASTER RGNL, DECATUR MUNI, BOURLAND FLD, PARKER COUNTY:** WHEN ENTERING CONTROLLED AIRSPACE, FLY ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
LUBBOCK	KING5.LBB	TTT VOR/DME	PODDE	250.47 (TTT R-250)	36.07	3500	2800	
		PODDE	MQP VORTAC	260.89 (MQP R-081)	13.37	3000	2800	
		MQP VORTAC	ABI VORTAC	252.69 & 250.69 (MQP R-253 & ABI R-071)	95.71	3700	3600	
		ABI VORTAC	LBB VORTAC	295.89 & 293.77 (ABI R-296 & LBB R-114)	126.70	6000	4800	
MILLSAP	KING5.MQP	TTT VOR/DME	PODDE	250.47 (TTT R-250)	36.07	3500	2800	
		PODDE	MQP VORTAC	260.89 (MQP R-081)	13.37	3000	2800	
PODDE	KING5.PODDE	TTT VOR/DME	PODDE	250.47 (TTT R-250)	36.07	3500	2800	
WICHITA FALLS	KING5.SPS	TTT VOR/DME	FERRA	285.01 (TTT R-285)	37.41	2700	2400	
		FERRA	MUZZO	285.01 (TTT R-285)	27.43	4000	3000	
		MUZZO	KARYN	329.53 & 328.20 (MQP R-330 & SPS R-148)	22.26	4000	3000	
		KARYN	SPS VORTAC	328.20 (SPS R-148)	25.16	3100	3100	

**PBN REQUIREMENT NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**  
RADAR AND DME REQUIRED.



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**PROCEDURAL DATA NOTES:****NOTE: LUBBOCK TRANSITION:** FOR ALL AIRCRAFT OVERFLYING THE MQP VORTAC WESTBOUND OR DIRECT.**NOTE: MILLSAP TRANSITION:** FOR ALL AIRCRAFT OVERFLYING THE MQP VORTAC WESTBOUND OR DIRECT.**NOTE: PODDE TRANSITION:** ATC ASSIGNED.**NOTE: WICHITA FALLS TRANSITION:** FOR ALL AIRCRAFT LANDING WITHIN THE WICHITA FALLS TERMINAL AREA OR OVERFLYING THE SPS VORTAC.**NOTE (ALL AIRPORTS):** FOR ALL AIRCRAFT REQUESTING 17000 AND BELOW.**NOTE:** DALLAS-FORT WORTH INTL DEPARTURES: DO NOT EXCEED 240 KIAS UNTIL LEAVING 5000.**NOTE (DALLAS LOVE FLD ONLY):** PROPS DEPARTING DAL MUST CONTACT CLEARANCE DELIVERY FOR DEPARTURE INSTRUCTIONS.**TAKEOFF MINIMUMS:**

DALLAS-FORT WORTH INTL

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

RWY 35R: STANDARD WITH MINIMUM CLIMB OF 245 FT/NM TO 1200.

DALLAS LOVE FLD

RWY 31L/R: STANDARD.

RWY 13L: STANDARD WITH MINIMUM CLIMB OF 290 FT/NM TO 1700.

RWY 13R: STANDARD WITH MINIMUM CLIMB OF 315 FT/NM TO 1700.

ADDISON

RWY 34: STANDARD.

RWY 16: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 325 FT/NM TO 1100.

DALLAS EXEC

RWY 13, 31, 35: STANDARD.

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

MCKINNEY NTL

RWY 18, 36: STANDARD.

PEROT FLD/FORT WORTH ALLIANCE

RWY 34L, 34R: STANDARD.

RWY 16L: 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

RWY 16R: 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 225 FT/NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FEET PRIOR TO DER.

FORT WORTH MEACHAM INTL

RWY 16, 17: STANDARD.

RWY 34, 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 225 FT/NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER.

RWY 35: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT/NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.

FORT WORTH SPINKS

RWY 18L, 36R: NA-ENVIRONMENTAL.

RWY 18R, 36L: STANDARD.

FORT WORTH NAS JRB (CARSWELL FLD)

REFER TO APPROPRIATE MILITARY SERVICE DIRECTIVES.

ARLINGTON MUNI

RWY 16, 34: STANDARD.



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DENTON ENTERPRISE  
RWY 18L, 18R, 36L, 36R: STANDARD.

GRAND PRAIRIE  
RWY 36: NA-ATC.  
RWY 18: STANDARD.

LANCASTER RGNL  
RWY 13: STANDARD.  
RWY 31: 300 -1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT/NM TO 800, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB  
GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.

MESQUITE METRO  
RWY 18, 36: STANDARD.

CLEBURNE RGNL  
RWY 15: STANDARD.  
RWY 33: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 422 FT/NM TO 1200.

DECATUR MUNI  
RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 248 FT/NM TO 2500.  
RWY 35: STANDARD WITH MINIMUM CLIMB OF 320 FT/NM TO 3500.

ENNIS MUNI  
RWY 16, 34: STANDARD.

BOURLAND FLD  
RWY 35: STANDARD.  
RWY 17: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 512 FT/NM TO 1300.

MID-WAY RGNL  
RWY 18, 36: STANDARD.

RALPH M HALL/ROCKWALL MUNI  
RWY 17, 35: STANDARD.

PARKER COUNTY  
RWY 17, 35: 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 325628.78N/0965931.40W.

**DALLAS LOVE FLD**

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

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 31L, 31R:** 1048 FT MSL TOWER (48-008398) 325215.51N/0965524.76W.

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**ADDISON**

**RWY 16:** 850 FT MSL BUILDING 325629.00N/0964925.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 975 FT MSL BUILDING 325540.81N/0964919.57W (CEILING). 973 FT MSL BUILDING 325536.93N/0964906.47W (VISIBILITY).

**DALLAS EXEC**

**RWY 17:** 1024 FT MSL TOWER 323818.55N/0965153.91W (CLIMB GRADIENT), 1026 FT MSL ANTENNA 323817.76N/0965154.08W (CLIMB-TO ALTITUDE, CEILING, VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 13, 17, 31, 35:** 2549 FT MSL TOWER 323502.67N/0965748.75W.

**PEROT FLD/FORT WORTH ALLIANCE**

**RWY 16L, 16R:** 961 FT MSL WATER TOWER 325641.35N/0971909.88W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 954 FT MSL TANK 325641.21N/0971909.98W (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: **RWY 16R:** 1002 FT MSL TOWER 325653.00N/0971932.00W.

**FORT WORTH MEACHAM INTL**

**RWY 34:** 970 FT MSL BUILDING 325123.18N/0972128.11W.

**RWY 35:** 826 FT MSL TRANSMISSION LINE 325026.78N/0972232.32W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 16:** 1196 FT MSL BUILDING 324522.00N/0971950.00W (OFFSET ICA) AND 1743 FT MSL TOWER 324501.00N/0971608.00W (CLIMB-TO ALTITUDE)

**RWY 17:** 1743 FT MSL TOWER 324501.00N/0971608.00W

**FORT WORTH SPINKS**

**RWY 18R:** 1772 FT MSL TOWER 323212.00N/0972446.86W.

**ARLINGTON MUNI**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

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

**GRAND PRAIRIE MUNI**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 18:** 2549 FT MSL TOWER 323502.67N/0965748.75W.

**LANCASTER RGNL**

**RWY 31:** 661 FT MSL TRANSMISSION TOWER 323601.76N/0964358.15W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 31:** 2549 FT MSL TOWER 323502.67N/0965748.75W.

**CLEBURNE RGNL**

**RWY 33:** 976 FT MSL WELL DRILLING RIG 322211.95N/0972629.30W (CLIMB GRADIENT). 1043 FT MSL WELL DRILLING RIG 322243.27N/0972649.63W (CLIMB-TO ALTITUDE).

**DECATUR MUNI**

**RWY 17:** 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT TERMINATION ALTITUDE), 1199 FT MSL TREE 331359.97N/0973413.66W

(VISIBILITY), 1209 FT MSL TREE 331402.68N/0973415.79W (CLIMB GRADIENT) (CEILING).

**RWY 35:** 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: **RWY 17:** 2859 FT MSL TOWER 332312.00N/0973358.00W.

**BOURLAND FLD**

**RWY 17:** 1011 FT MSL TREES 323407.39N/0973524.72W (CLIMB GRADIENT/CLIMB-TO ALTITUDE). 1123 FT MSL TRANSMISSION TOWER 323306.16N/0973536.73W (CEILING). 1092 TRANSMISSION TOWER 323258.36N/0973539.81W (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 17:** 1275 FT MSL TOWER 323156.00N/0973623.00W.

**MID-WAY RGNL**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

**RWY 18:** 2449 FT MSL TOWER 323235.00N/0965733.00W.

**RWY 36:** 2549 FT MSL TOWER 323502.67N/0965748.75W.



NO. 044

03/07/2025

52

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
KINGDOM	FIVE	KING5.TTT	FOUR	01/25/2024	17 APR 2025

PARKER COUNTY

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 35: 1418 FT MSL TOWER 324648.00N/0974155.00W.

MSA:

KDFW: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KDAL: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KADS: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KRBD: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KTKI: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600, 30 NM

KAFW: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KFTW: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KFWS: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KNFW: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KGKY: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KDTO: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KGPM: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KLNC: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600

KHQZ: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600, 30 NM

KCPT: MSA FROM KCPT, 3600

KLUD: MSA FROM KLUD, 4000

F41: MSA FROM CQY VORTAC, 2400

50F: MSA FROM MQP VORTAC 005-165 3000, 165-005 3600

KJWY: MSA FROM TTT VOR/DME 270-090 2700, 090-270 3600, 30 NM

F46: MSA FROM CVE VOR/DME 270-090 2700, 090-270 3600

KWEA: MSA FROM MQP VORTAC 005-165 3000, 165-005 3600

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: MQP R-330 AT MUZZO.

CHART: V66 BETWEEN MQP VORTAC AND ABI VORTAC.

CHART: V62 BETWEEN ABI VORTAC AND LBB VORTAC.

CHART: V568 BETWEEN MUZZO AND KARYN.

CHART: V568 BETWEEN KARYN AND SPS VORTAC.

DALLAS-FORT WORTH INTL: CHART: TOP ALTITUDE: (JETS) 10000/PROPS 2000.

DALLAS LOVE FLD: CHART: TOP ALTITUDE: RWY 13L/13R: 8000; RWY 31L/31R: ASSIGNED BY ATC.

DALLAS EXEC, PEROT FLD/FORT WORTH ALLIANCE, FORT WORTH MEACHAM INTL, FORT WORTH SPINKS, ARLINGTON MUNI, GRAND PRAIRIE MUNI, LANCASTER RGNL, DECATUR MUNI, BOURLAND FLD, MID-WAY RGNL, PARKER COUNTY, ADDISON, MCKINNEY NTL, FORT WORTH NAS JRB (CARSELL FLD), DENTON ENTERPRISE, MESQUITE METRO, CLEBURNE RGNL, ENNIS MUNI, RALPH M. HALL/ROCKWELL MUNI: CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: AIRPORT MV: DFW (P) 4E/2015, DAL 3E/2020, ADS 3E/2025, RBD 6E/1990, TKI 3E/2015, AFW 4E/2015, FTW 8E/1975, FWS 3E/2025, NFW 4E/2015, GKY 6E/2000, DTO 4E/2010, GPM 3E/2025, LNC 6E/1990, HQZ 3E/2015, CPT 6E/2000, LUD 3E/2025, F41 3E/2020, 50F 6E/2000, JWY 6E/1995, F46 5E/2000, WEA 5E/2010.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE	QUALITY 20 CHECKED
KDFW	DALLAS-FORT WORTH	TX	
KDAL	DALLAS	TX	
KADS	DALLAS	TX	

NO. 044		03/07/2025		53	
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KRBD		DALLAS			TX
KTKI		DALLAS			TX
KAFW		FORT WORTH			TX
KFTW		FORT WORTH			TX
KFWS		FORT WORTH			TX
KNFW		FORT WORTH			TX
KGKY		ARLINGTON			TX
KDTO		DENTON			TX
KGPM		GRAND PRAIRIE			TX
KLNC		LANCASTER			TX
KHQZ		MESQUITE			TX
KCPT		CLEBURNE			TX
KLUD		DECATUR			TX
F41		ENNIS			TX
50F		FORT WORTH			TX
KJWY		MIDLOTHIAN/WAXAHACHIE			TX
F46		ROCKWALL			TX
KWEA		WEATHERFORD			TX

**COMMUNICATIONS:**  
**CHART:ATIS:** DFW, DAL, ADS, RBD, AFW, FTW, FWS, NFW. **CLNC DEL:** DFW, DAL, ADS, RBD, TKI, AFW, FTW, NFW, GKY, DTO.  
**CHART: GND CON:** DFW, DAL, ADS, RBD, TKI, AFW, FTW, FWS, NFW, GKY, DTO, GPM.  
**CHART: TOWER:** DFW, DAL, ADS, RBD, TKI, AFW, FTW, FWS, NFW, GKY, DTO, GPM.  
**CHART: CTAF:** ADS, RBD, TKI, FWS, GKY, DTO, GPM, LNC, HQZ, 50F, CPT, F41, F46, JWY, LUD, WEA.  
**CHART CPDLC:** DAL, DFW.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**  
 100 FT MAX VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST.  
 WAIVER ON FILE: CHART THREE NUMERIC TOP ALTITUDES.  
 APPROVAL LETTER ON FILE: 50F RWY 17 CLIMB GRADIENT GREATER THAN 500 FT PER NM.



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SID NAME COORDINATED WITH ATC AND AFS.  
DOCUMENTING HIGHEST MOCA FOR ALL TTT VOR/DME TO FIX PODDE SEGMENTS - CONTROLLED BY PODDE TRANSITION, OBSTACLE 1745 TOWER (48-014219) 324625.85N/0974635.83W.  
DO NOT CHART MOCA: FROM PODDE TO MQP VORTAC.  
DO NOT CHART MOCA: FROM MQP TO ABI VORTAC.  
DO NOT CHART MOCA: FROM KARYN TO SPS VORTAC.  
MEA FROM TTT VOR/DME TO FERRA BASED ON TTT VOR/DME SERVICE VOLUME/MOCA.  
MEA FROM FERRA TO MUZZO BASED ON TTT VOR/DME ESV.  
MEA FROM MUZZO TO KARYN BASED ON SPS VORTAC ESV.  
MEA FROM KARYN TO SPS BASED ON SPS SERVICE VOLUME/MOCA.  
MEA FROM TTT VOR/DME TO PODDE, PODDE TO MQP VORTAC, MQP VORTAC TO ABI VORTAC BASED ON MINIMUM AIRSPACE REQUIREMENT.  
MEA FROM ABI VORTAC TO LBB VORTAC BASED ON ESV FOR ABI VORTAC AND LBB VORTAC.  
MEA FROM TTT VOR/DME TO PODDE BASED ON TTT VOR/DME MRA.

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
BRIAN HARRELSON	<i>Digitally signed by</i> <b>DAVID DANNER</b>	AJF	01/22/2025	
	Feb 18, 2025			
<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
LEO PALMER	<i>Digitally signed by</i> <b>LEO PALMER</b>	AJV-A421	10/21/2025	
	Feb 14, 2025			
<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DAVE DANNER	<i>Digitally signed by</i> <b>DAVID DANNER</b>	AJV-A421	04/17/2025	MANAGER
	Feb 18, 2025			
<u>REQUIRED EFFECTIVE DATE</u>				
ROUTINE				

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, REGIONAL DEP CON, DFW TOWER, DAL TOWER, ADS TOWER, RBD TOWER, TKI TOWER, AFW TOWER, FTW TOWER, FWS TOWER, NFW TOWER, GKY TOWER, DTO TOWER, GPM TOWER, AMGR(S).

**CHANGES - REASONS:**

- DP ROUTE: KLUD CHANGED FROM: TAKEOFF RWY 17: CLIMB ON HEADING 163.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE . . ." TO "TAKEOFF RWY 17: CLIMB ON HEADING 169.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE . . ." - MAGVAR UPDATED FROM 9E/2000 TO 3E/2025.  
- TAKEOFF MINIMUMS: KLUD: RWY 17: STANDARD" TO "RWY 17: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 248 FT/NM TO 2500. RWY 35: STANDARD WITH MINIMUM CLIMB OF 320 FT/NM TO 3500." - UPDATED ODP EVALUATION.  
- CONTROLLING OBS: KLUD: CHANGED FROM "RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W." TO "KLUD: RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT TERMINATION ALTITUDE), 1199 FT MSL TREE 331359.97N/0973413.66W (VISIBILITY), 1209 FT MSL TREE 331402.68N/0973415.79W (CLIMB GRADIENT) (CEILING). RWY 35: 2859 FT MSL TOWER 332312.00N/0973358.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE). OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W" - NEW TARGETS EVALUATED ODP.

02/14/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/27/25.

1. MILLSAP TRANSITION COMPUTER CODE ADDED "KING5.MQP".