

**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SUPERSEDED NUMBER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>
NANDR	FOUR	NANDR4.NANDR	THREE	04/17/2025	14 MAY 2026

<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

BOURLAND FLD: (50F)

TAKEOFF RWY 17: CLIMB ON HEADING 165.44 OR AS ASSIGNED BY ATC, THENCE...

ADDISON: (ADS)

TAKEOFF RWY 16: CLIMB ON HEADING 156.77 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34: CLIMB ON HEADING 336.77 OR AS ASSIGNED BY ATC, THENCE...

PEROT FLD/FORT WORTH ALLIANCE: (AFW)

TAKEOFF RWY 16L: CLIMB ON HEADING 166.21 OR AS ASSIGNED BY ATC, THENCE . . .

TAKEOFF RWY 16R: CLIMB ON HEADING 166.21 TO 1100 BEFORE TURNING RIGHT OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34L: CLIMB ON HEADING 346.21 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34R: CLIMB ON HEADING 346.21 OR AS ASSIGNED BY ATC, THENCE...

CLEBURNE RGNL: (CPT)

TAKEOFF RWY 15: CLIMB ON HEADING 153.20 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 33: CLIMB ON HEADING 333.20 OR AS ASSIGNED BY ATC, THENCE...

DENTON ENTERPRISE: (DTO)

TAKEOFF RWY 18L: CLIMB ON HEADING 177.06 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 177.04 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 357.04 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 357.06 OR AS ASSIGNED BY ATC, THENCE...

RALPH M HALL/ROCKWALL MUNI: (F46)

TAKEOFF RWY 17: CLIMB ON HEADING 167.46 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35: CLIMB ON HEADING 347.45 OR AS ASSIGNED BY ATC, THENCE...

FORT WORTH MEACHAM INTL: (FTW)

TAKEOFF RWY 16: CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 17: CLIMB ON HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34: CLIMB ON HEADING 343.90 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35: CLIMB ON HEADING 343.90 OR AS ASSIGNED BY ATC, THENCE...

FORT WORTH SPINKS: (FWS)

TAKEOFF RWY 18R: CLIMB ON HEADING 177.11 TO 1200 BEFORE TURNING RIGHT OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 357.11 OR AS ASSIGNED BY ATC, THENCE...

ARLINGTON MUNI: (GKY)

TAKEOFF RWY 16: CLIMB ON HEADING 162.02 TO 2500 BEFORE TURNING LEFT OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34: CLIMB ON HEADING 342.02 TO 1400 BEFORE TURNING SOUTHEAST BOUND OR AS ASSIGNED BY ATC, THENCE...

GRAND PRAIRIE MUNI: (GPM)

TAKEOFF RWY 18: CLIMB ON HEADING 192.34 TO 2500 BEFORE PROCEEDING ON COURSE OR AS ASSIGNED BY ATC, THENCE...



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TAKEOFF RWY 36: CLIMB ON HEADING 357.34 TO 1400 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE...

MESQUITE METRO: (HQZ)

TAKEOFF RWY 18: CLIMB ON HEADING 177.88 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 357.88 OR AS ASSIGNED BY ATC, THENCE...

LANCASTER RGNL: (LNC)

TAKEOFF RWY 13: CLIMB ON HEADING 134.31 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 314.31 TO 1800 BEFORE TURNING LEFT OR AS ASSIGNED BY ATC, THENCE...

DECATUR MUNI: (LUD)

TAKEOFF RWY 17: CLIMB ON HEADING 169.45 TO 1700 BEFORE PROCEEDING NORTH, THENCE...

FORT WORTH NAS JRB (CARSWELL FLD): (NFW)

TAKEOFF RWY 18: CLIMB ON HEADING 176.53 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 356.52 OR AS ASSIGNED BY ATC, THENCE...

DALLAS EXEC: (RBD)

TAKEOFF RWY 13: CLIMB ON HEADING 129.08 TO 1800 BEFORE TURNING WESTBOUND OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 17: CLIMB ON HEADING 174.13 TO 2600 BEFORE TURNING WESTBOUND OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 309.09 TO 1500 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35: CLIMB ON HEADING 354.13 TO 1400 BEFORE TURNING SOUTHBOUND OR AS ASSIGNED BY ATC, THENCE...

MCKINNEY NTL: (TKI)

TAKEOFF RWY 18: CLIMB ON HEADING 179.12 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 359.11 OR AS ASSIGNED BY ATC, THENCE...

PARKER COUNTY: (WEA)

TAKEOFF RWY 17: CLIMB ON HEADING 175.38 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 35: CLIMB ON HEADING 355.37 TO 1600 BEFORE TURNING LEFT, THENCE...

ENNIS: (F41)

TAKEOFF RWY 16: CLIMB ON HEADING 158.48 OR AS ASSIGNED BY ATC, THENCE...

TAKEOFF RWY 34: CLIMB ON HEADING 338.49 OR AS ASSIGNED BY ATC, THENCE...

MIDLOTHIAN/WAXAHACHIE: (JWY)

TAKEOFF RWY 18: CLIMB ON HEADING 177.98 TO 1700, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 012.98 TO 2700, THENCE...

ALL AIRPORTS:

...EXPECT RADAR VECTORS TO CROSS CUZNO AT OR ABOVE 3000, THEN ON TRACK 357.12 TO CROSS NANDR AT OR BELOW 13000, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT 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>
MC ALESTER	NANDR4.MLC	NANDR	AKUNA	TRACK 038.90	16.35	5000	2100	NANDR AT/BELOW 13000
			TIKYS	TRACK 025.19	41.90	5000	3800	
			MLC TACAN	TRACK 031.08	56.73	5000	2600	



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NANDR	FOUR	NANDR4.NANDR	THREE	04/17/2025	14 MAY 2026	
WILL ROGERS	NANDR4.IRW	NANDR	BLECO	TRACK 341.24	12.64 5000 2700	NANDR AT/BELOW 13000
			ZEMMA	TRACK 003.04	56.20 5000 2500	
			IRW VORTAC	TRACK 329.54	65.91 5000 2900	
OKMULGEE	NANDR4.OKM	NANDR	GRABE	TRACK 015.03	12.84 5000 2100	NANDR AT/BELOW 13000
			EAKER	TRACK 015.12	54.60 5000 3700	
			OKM VOR/DME	TRACK 021.06	90.40 5000 5000	
ROLLS	NANDR4.ROLLS	NANDR	LOWGN	TRACK 316.22	16.08 5000 2200	NANDR AT/BELOW 13000
			ADM VORTAC	TRACK 002.09	45.75 5000 2600	
		A	MRMAC	TRACK 306.22	60.00 5000 2900	
			ROLLS	TRACK 305.69	85.20 5000 5000	
TULSA	NANDR4.TUL	NANDR	BLECO	TRACK 341.24	12.64 5000 2700	NANDR AT/BELOW 13000
			ZEMMA	TRACK 003.04	56.20 5000 2500	
			TUL VORTAC	TRACK 025.19	123.58 5000 3000	
EAKER	NANDR4.EAKER	NANDR	GRABE	TRACK 015.03	12.84 5000 2100	NANDR AT/BELOW 13000
			EAKER	TRACK 015.12	54.60 5000 3700	
ZEMMA	NANDR4.ZEMMA	NANDR	BLECO	TRACK 341.24	12.64 5000 2700	NANDR AT/BELOW 13000
			ZEMMA	TRACK 003.04	56.20 5000 2500	

PBN REQUIREMENT NOTES:
RNAV 1 - DME/DME/IRU OR GPS REQUIRED

EQUIPMENT REQUIREMENT NOTES:
RADAR REQUIRED

PROCEDURAL DATA NOTES:
NOTE: EAKER TRANSITION: FOR TUL TERMINAL ARRIVALS ONLY
NOTE: TULSA TRANSITION: FOR ALL AIRCRAFT OVERFLYING TUL VORTAC
NOTE: AIRCRAFT ARRIVING TO THE OKLAHOMA CITY TERMINAL AREA, FILE AND EXPECT THE ZEMMA ENROUTE TRANSITION.

TAKEOFF MINIMUMS:
DALLAS EXEC (RBD)
RWY 13, 31, 35: STANDARD.
RWY 17: 400 - 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1200.



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PEROT FLD/FORT WORTH ALLIANCE (AFW)

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 FEET 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 (FTW)

RWY 17: STANDARD.

RWY 16: STANDARD WITH MINIMUM CLIMB OF 204 FT/NM TO 1400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FEET PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FEET PRIOR TO DER.

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 (FWS)

RWY 18L, 36R: NA-ENVIRONMENTAL

RWY 18R, 36L: STANDARD.

ARLINGTON MUNI (GKY)

RWY 16, 34: STANDARD.

ADDISON: (ADS)

RWY 34: STANDARD.

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

DENTON ENTERPRISE: (DTO)

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

GRAND PRAIRIE MUNI (GPM)

RWY 18, 36: STANDARD.

LANCASTER RGNL (LNC)

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.

DECATUR MUNI (LUD)

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.

BOURLAND FLD (50F)

RWY 17: 300-2 OR STD. WITH MINIMUM CLIMB OF 512 FT/NM PER NM TO 1300

RWY 35: STANDARD.

MID-WAY RGNL (JWY)

RWY 18: STANDARD.

RWY 36: STANDARD.

PARKER COUNTY (WEA)

RWY 17, 35: STANDARD.

MCKINNEY (TKI)

RWY 18, 36: STANDARD.



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

ENNIS MUNI (F41):
 RWY 16, 34: STANDARD.

RALPH M. HALL/ROCKWALL MUNI: (F46)
 RWY 17, 35: STANDARD.

MESQUITE METRO: (HQZ)
 RWY 18, 36: STANDARD.

FORT WORTH NAS JRB (CARSWELL FIELD): (NFW)
 REFER TO APPROPRIATE MILITARY SERVICE DIRECTIVES.

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

CONTROLLING OBSTACLES:
 ADDISON: (ADS)
 RWY 16: 850 FT MSL BUILDING 325629.00N/0964925.00W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE). 975 FT MSL BUILDING 325540.81N/0964919.57W (CEILING). 973 FT MSL BUILDING 325536.93N/0964906.47W (VISIBILITY).

DALLAS EXECUTIVE: (RBD)
 RWY 17: 1024 FT MSL TOWER 323818.55N/0965153.91W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE).
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
 RWY 13, 17, 31, 35: 2549 FT MSL TOWER 323502.67N/0965748.75W

FORT WORTH ALLIANCE: (AFW)
 RWY 16R/16L: 961 FT MSL WATER TOWER 325641.35N/0971909.88W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 961 FT MSL WATER TOWER 325641.35N/0971909.88W (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: (FTW)
 RWY 34: 970 FT MSL BUILDING 325123.18N/0972128.11W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE/CEILING/VISIBILITY).
 RWY 35: 826 FT MSL TRANSMISSION LINE 325026.78N/0972232.32W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE/CEILING/VISIBILITY).
 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 (CTA)
 RWY 17: 1743 FT MSL TOWER 324501.00N/0971608.00W.

FORT WORTH SPINKS: (FWS)
 RWY 18R: 1772 FT MSL TOWER 323212.00N/0972446.86W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE).

ARLINGTON MUNI: (GKY)
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
 RWY 16, 34: 2549 FT MSL TOWER 323502.67N/0965748.75W.

GRAND PRAIRIE MUNI: (GPM)
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
 RWY 18, 36: 2549 FT MSL TOWER 323502.67N/0965748.75W.

LANCASTER RGNL: (LNC)



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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: (CPT)
 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 GRADIENT TERMINATION ALTITUDE).

DECATUR MUNI: (LUD)
 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).
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT : RWY 17: 2859 FT MSL TOWER 332312.00N/0973358.00W.

BOURLAND FIELD: (50F)
 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: (JWY)
 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.

PARKER COUNTY: (WEA)
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
 RWY 35: 1420 FT MSL TOWER 324648.40N/0974155.16W.

- MSA:**
- MSA FROM 50F, 3600
 - MSA FROM ADS, 3600
 - MSA FROM AFW, 4000
 - MSA FROM CPT, 3600
 - MSA FROM DTO, 4000
 - MSA FROM F41, 3600
 - MSA FROM F46, 2600
 - MSA FROM FTW, 3600
 - MSA FROM FWS, 3600
 - MSA FROM GKY, 3600
 - MSA FROM GPM, 3600
 - MSA FROM HQZ, 3600
 - MSA FROM JWY, 3600
 - MSA FROM LNC, 3600
 - MSA FROM LUD, 4000
 - MSA FROM NFW, 3600
 - MSA FROM RBD, 3600
 - MSA FROM TKI, 3800
 - MSA FROM WEA, 3600

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
 ALL AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.
 CHART: MINIMUM CROSSING ALTITUDE AT CUZNO - 3000
 AIRPORT MV: ADS (P) 3E/2025, 50F 6E/2000, AFW 4E/2015, CPT 6E/2000, DTO 4E/2010, F46 5E/2000, FTW 8E/1975, FWS 3E/2025, GKY 6E/2000, GPM 3E/2025, HQZ 3E/2015, LNC 6E/1990, LUD 3E/2025,



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NFW 4E/2015, RBD 6E/1990, TKI 3E/2015, WEA 5E/2010, JWY 6E/1995, F41 3E/2020
 DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
F41	ENNIS	TX
F46	ROCKWALL	TX
50F	FORT WORTH	TX
AFW	FORT WORTH	TX
ADS	DALLAS	TX
CPT	CLEBURNE	TX
DTO	DENTON	TX
FTW	FORT WORTH	TX
FWS	FORT WORTH	TX
GKY	ARLINGTON	TX
GPM	GRAND PRAIRIE	TX
HQZ	MESQUITE	TX
JWY	MIDLOTHIAN/WAXAHACHIE	TX
LNC	LANCASTER	TX
LUD	DECATUR	TX
NFW	FORT WORTH	TX
RBD	DALLAS	TX
TKI	DALLAS	TX
WEA	WEATHERFORD	TX

COMMUNICATIONS:

CHART ATIS: ADS, RBD, AFW, FTW, FWS, NFW.
 CHART CLNC DEL: ADS, RBD, TKI, AFW, FTW, NFW, GK Y, DTO.
 CHART GND CON: ADS, RBD, TKI, AFW, FTW, FWS, NFW, GK Y, DTO, GPM.
 CHART TOWER: ADS, RBD, TKI, AFW, FTW, FWS, NFW, GK Y, DTO, GPM.
 CHART CTAF: RBD, TKI, FWS, GK Y, DTO, GPM, LNC, HQZ, 50F, CPT, F41, F46, JWY, LUD, WEA.



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FIXES AND/OR NAVAIDS:

REMARKS:

APPROVAL LETTER ON FILE: 50F RWY 17 CLIMB GRADIENT GREATER THAN 500 FT/NM.
 APPROVAL LETTER ON FILE: DIVERSE DEPARTURE ASSESSMENT WAS APPLIED TO ASSESS OBSTACLES TO ENSURE OBSTACLE CLEARANCE TO THE REQUESTED. ALTITUDE FOR EACH RUNWAY.
 PUBLISHED CLIMB GRADIENTS AND TERMINATION ALTITUDES WILL BE APPLIED.
 ENVIRONMENTAL REVIEW: COMPLETE
 NOISE SCREENING: COMPLETE
 MLC TACAN LOCATION USED ON PROCEDURE AS THE MLC WP.
 MAXIMUM 100 FT VEGETATION HEIGHT APPLIED.
 DO NOT CHART MOCA: FROM EAKER TO OKM VOR/DME, MRMAC TO ROLLS.
 ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY

EDWARD MESA

SIGNATURE

Digitally signed by

RAKE MCGRAW

OFFICE

AJF

DATE

12/31/2025

DEVELOPED BY

RAKE MCGRAW (JUDITH TUTTLE)

SIGNATURE

Digitally signed by

RAKE MCGRAW

OFFICE

AJV-A431

DATE

10/27/2025

APPROVED BY

RAKE MCGRAW

SIGNATURE

Digitally signed by

RAKE MCGRAW

OFFICE

AJV-A422

DATE

Jan 23, 2026

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION: UPDATED ALL AIRPORTS FROM "...EXPECT RADAR VECTORS TO CROSS CUZNO AT OR ABOVE 3000, THEN ON TRACK 357.12 TO CROSS NANDR AT OR BELOW 13000, THEN ON ASSIGNED TRANSITION" TO "...EXPECT RADAR VECTORS TO CROSS CUZNO AT OR ABOVE 3000, THEN ON TRACK 357.12 TO CROSS NANDR AT OR BELOW 13000, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - IAW 8260.46K 2-1-5.
2. TRANSITION ROUTES: UPDATED MOCAS: TIKYS TO MLC TACAN FROM "2500" TO "2600," ZEMMA TO IRW VORTAC FROM "2600" TO "2900," EAKER TO OKM VOR/DME FROM "2400" TO "5000," ADM VORTAC TO MRMAC FROM "2700" TO "2900," MRMAC TO ROLLS FROM "3400" TO "5000," AND ZEMMA TO TUL VORTAC FROM "2600" TO "3000" - NEW CONTROLLING OBSTACLES IDENTIFIED.
3. TAKEOFF MINIMUMS: AFW: UPDATED RWY 16R FROM "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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER" TO 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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER" - INCORPORATED NOTAM 5/7808.
4. TAKEOFF MINIMUMS: FTW: UPDATED RWY 16 FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 204 FT/NM TO 1400, 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" - INCORPORATED NOTAM 5/7810.
5. TAKEOFF MINIMUMS: LNC: UPDATED RWY 31 FROM "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" TO "300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 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" - INCORPORATED NOTAM 5/4393.
6. CONTROLLING OBSTACLES: UPDATED OBSTACLES FOR AFW, FTW, CPT, LUD; ADDED OBSTACLES FOR DAL, DFW AND FWS - UPDATED SURVEY, NEW OBSTACLES IDENTIFIED.
7. CONTROLLING OBSTACLES: ADDED CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE/CEILING/VISIBILITY AS REQUIRED - IAW 8260.46K APPENDIX D.
8. AIRPORTS SERVED: REMOVED "K" FROM THE AIRPORT IDS - NO LONGER REQUIRED IAW 8260.46K APPENDIX D. EXAMPLES.
9. REMARKS: ADDED "APPROVAL LETTER ON FILE: 50F RWY 17 CLIMB GRADIENT GREATER THAN 500 FT/NM," "APPROVAL LETTER ON FILE: DIVERSE DEPARTURE ASSESSMENT WAS APPLIED TO



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
NANDR	FOUR	NANDR4.NANDR	THREE	04/17/2025	14 MAY 2026

ASSESS OBSTACLES TO ENSURE OBSTACLE CLEARANCE TO THE REQUESTED ALTITUDE FOR EACH RUNWAY. PUBLISHED CLIMB GRADIENTS AND TERMINATION ALTITUDES WILL BE APPLIED" AND "ABBREVIATED AMENDMENT" - FOR FUTURE SPECIALIST INFORMATION.

10. REAMRKS" ADDED "DO NOT CHART MOCA: FROM EAKER TO OKM VOR/DME, MRMAC TO ROLLS - IAW 8260.46K 3-1-1.

01/05/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/24/2025.

8260-15B:

1. CHANGES AND REASONS: 3. UPDATED FROM "TAKEOFF MINIMUMS: AFW: UPDATED RWY 16R FROM "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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER" TO RWY 16 "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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER" - INCORPORATED NOTAM 5/7808" TO "TAKEOFF MINIMUMS: AFW: UPDATED RWY 16R FROM "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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER" TO 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 PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER" - INCORPORATED NOTAM 5/7808"

2. CHANGES AND REASONS: 4. UPDATED FROM "TAKEOFF MINIMUMS: FTW: UPDATED RWY 16 FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 204 FT/NM TO 1400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER" - INCORPORATED NOTAM 5/8649" TO "TAKEOFF MINIMUMS: FTW: UPDATED RWY 16 FROM "STANDARD" TO "STANDARD WITH MINIMUM CLIMB OF 204 FT/NM TO 1400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUS" T OCCUR NO LATER THAN 1400 FT PRIOR TO DER" - INCORPORATED NOTAM 5/7810."

01/20/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/16/2026:

1. AIRPORTS SERVED: UPDATED ADS FROM "ADDISON" TO "DALLAS" AND HQZ FROM "MESQUITE METRO" TO "MESQUITE."



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
NANDR	FOUR	NANDR4.NANDR	THREE	04/17/2025	14 MAY 2026				
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
CUZNO	330538.50N/0970227.84W	Y	-	IF	-	-	AT/ABOVE 3000		
NANDR	331451.55N/0970226.43W	Y	FB	TF	000.12	9.20	AT/BELOW 13000		
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.IRW
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64			
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			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.MLC
AKUNA	332702.48N/0964923.30W	Y	FB	TF	041.90	16.35			
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90			
MLC TACAN	345057.99N/0954656.44W	Y	FB	TF	034.08	56.73			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.OKM
GRABE	332705.25N/0965741.50W	Y	FB	TF	018.03	12.84			
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
OKM VOR/DME	354135.07N/0955157.44W	Y	FB	TF	024.06	90.40			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.ROLLS
LOWGN	332702.70N/0971459.29W	Y	FB	TF	319.22	16.08			
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			



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NANDR		FOUR	NANDR4.NANDR	THREE	04/17/2025	14 MAY 2026			
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.TUL
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64			
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			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.EAKER
GRABE	332705.25N/0965741.50W	Y	FB	TF	018.03	12.84			
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
NANDR	331451.55N/0970226.43W	Y	-	IF	-	-	AT/BELOW 13000		NANDR4.ZEMMA
BLECO	332702.70N/0970632.59W	Y	FB	TF	344.24	12.64			
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			

