INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME	ALTERNATE MINIMUMS
ABILENE, TX	
ABILENE RGNL (ABI)	**ILS or LOC Rwy 35R[1]**
	LOC Rwy 17R[2]
	RADAR-1[2]
	RNAV (GPS) Rwy 17L[2]
	RNAV (GPS) Rwy 35R[2]
[1]ILS, Categories C, D, 700-2; Category E, 900-3; LOC, Category E, 900-3.	
[2]Category E, 900-3.	
AMARILLO, TX	
RICK HUSBAND AMARILLO INTL (AMA)	**ILS or LOC Rwy 4[13]**
	LDA/DME Rwy 22[23]
	NDB Rwy 4[3]
	RADAR-1[34]
	RNAV (GPS) Y Rwy 4[45]
	RNAV (GPS) Y Rwy 13[5]
	RNAV (GPS) Y Rwy 22[45]
	RNAV (GPS) Y Rwy 31[56]
	VOR/DME Rwy 13[4]
	VOR/DME Rwy 22[4]
	VOR/DME Rwy 31[4]
	VOR/DME A[4]
[1]ILS, Category D, 700-2; Category E, 900-3. LOC, Category E, 900-3.	
[2]LDA/GS, Category D, 700-2; Category E, 900-3. LDA, Category E, 900-3.	
[3]NA when control tower closed.	
[4]Category E, 900-3.	
[5]NA when local weather not available.	
[6]Category D, 800-2¼	
ARLINGTON, TX	
ARLINGTON MUNI (GKY)	**ILS or LOC/DME Rwy 34[1]**
	RNAV (GPS) Rwy 34
	VOR /DME Rwy 34
NA when local weather not available.	
[1]NA when control tower closed.	

NAME	ALTERNATE MINIMUMS
BIG SPRING, TX	
BIG SPRING MC MAHON-WRINKLE (BPG)	**RNAV (GPS) Rwy 6**
	RNAV (GPS) Rwy 17
	RNAV (GPS) Rwy 24[1]
	RNAV (GPS) Rwy 35
	VOR/DME Rwy 17
	VOR/DME Rwy 35
NA when local weather not available.	
[1]Categories, A, B, 900-2.	
BORGER, TX	
HUTCHINSON COUNTY (BGD)	**RNAV (GPS) Rwy 17**
	RNAV (GPS) Rwy 35
	VOR Rwy 17
	VOR /DME Rwy 35
NA when local weather not available.	
BRECKENRIDGE, TX	
STEPHENS COUNTY (BKD)	**RNAV (GPS) Rwy 17**
	RNAV (GPS) Rwy 35
NA when local weather not available.	
BRIDGEPORT, TX	
BRIDGEPORT MUNI (XBP)	**RNAV (GPS) Rwy 18**
	VOR/DME Rwy 18
NA when local weather not available.	
CANADIAN, TX	
HEMPHILL COUNTY (HHF)	**RNAV (GPS) Rwy 4**
	RNAV (GPS) Rwy 22
NA when local weather not available. Category C, 900-2¾; Category D, 1000-3.	

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NAME ALTERNATE MINIMUMS

CHILDRESS, TX

CHILDRESS
MUNI (CDS) ..... **RNAV (GPS) Rwy 36**
VOR Rwy 36
NA when local weather not available.

CLEBURNE, TX

CLEBURNE
RGNL (CPT)..... **RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.
Category C, 900-2½; Category D, 900-2¾.

DALHART, TX

DALHART
MUNI (DHT) ..... **VOR Rwy 17**
Category D, 800-2¼.

DALLAS, TX

ADDISON (ADS) ..... **ILS or LOC Rwy 15[1,2]**
ILS or LOC Rwy 33[1,2]
RNAV (GPS) Rwy 15[3]
RNAV (GPS) Rwy 33[3,4]
[1]NA when control tower closed.
[2]ILS, Category D, 700-2.
[3]NA when local weather not available.
[4]Category D, 800-2½.

DALLAS
EXECUTIVE (RBD) ..... **ILS or LOC Rwy 31[1,2]**
RNAV (GPS) Rwy 17[3,4]
RNAV (GPS) Rwy 31[3,4]
RNAV (GPS) Rwy 35[3,4]
VOR/DME Rwy 17[3,4]
[1]NA when control tower closed.
[2]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[3]NA when local weather not available.
[4]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

DALLAS, TX (CON'T)

DALLAS-LOVE
FIELD (DAL) ..... **ILS Y or LOC Y Rwy 13L[1]**
ILS Y or LOC Y Rwy 13R[1]
ILS or LOC Rwy 31L[2]
ILS or LOC Rwy 31R[3]
RNAV (GPS) Y Rwy 13L[5]
RNAV (GPS) Y Rwy 13R[5]
RNAV (GPS) Y Rwy 31L[4]
RNAV (GPS) Y Rwy 31R[5]
RNAV (GPS) Z Rwy 13L[5]
RNAV (GPS) Z Rwy 13R[5]
[1]ILS, Category B, 700-2; Category C, 800-2; Category D, 1100-3; LOC, Category D, 1100-3.
[2]ILS, LOC, Categories A, B, 1100-2; Categories C, D, 1100-3.
[3]ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.
[4]Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.
[5]Category D, 1100-3.

MCKINNEY
NATIONAL (TKI) ..... **ILS or LOC Rwy 18[1,2]**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36[4]
VOR/DME-A[3]
NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, LOC Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[3]Category C, 800-2¼; Category D, 800-2½.
[4]Category D, 800-2½.

DALLAS-FORT WORTH, TX

DALLAS-FORT WORTH
INTL (DFW)..... **CONVERGING ILS Rwy 13R[1]**
CONVERGING ILS Rwy 31R[3]
ILS or LOC Rwy 18L[2]
ILS or LOC Rwy 18R[2]
[1]Categories A, B, C, 900-2½.
[2]ILS, 700-2.
[3]ILS, 1100-4.

DECATUR, TX

DECATUR MUNI (LUD) ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

DENTON, TX

DENTON
ENTERPRISE (DTO) ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

NAME ALTERNATE MINIMUMS

DUMAS, TX
MOORE
COUNTY (DUX) ..... **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

FORT WORTH, TX
FORT WORTH
ALLIANCE (AFW)..... **ILS or LOC Rwy 16L[1]**
ILS or LOC Rwy 34R[1]
RNAV (GPS) Rwy 16L[2]
RNAV (GPS) Rwy 16R[2]
RNAV (GPS) Rwy 34R[2]
[1]ILS, Category D, 700-2; Category E, 700-2¼.
LOC, Category E, 800-2¼.
[2]Category E, 800-2¼.

FORT WORTH MEACHAM
INTL (FTW) ..... **RNAV (GPS) Rwy 34**
Category D, 800-2½.

FORT WORTH
SPINKS (FWS).....**RNAV (GPS) Rwy 17R**
RNAV (GPS) Rwy 35L
NA when local weather not available.

GAINESVILLE, TX
GAINESVILLE
MUNI (GLE)..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
Category D, 800-2½.

GILMER, TX
FOX STEPHENS FIELD - GILMER
MUNI (JXI) ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.
Category C, 800-2¼.

GRAHAM, TX
GRAHAM MUNI (RPH)..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
NA when local weather not available.

GRANBURY, TX
GRANBURY
RGNL (GDJ)..... **RNAV (GPS) Rwy 14**
NA when local weather not available.

GRAND PRAIRIE, TX
GRAND PRAIRIE
MUNI (GPM)..... **RNAV (GPS) Rwy 35**
VOR /DME Rwy 35,800-2¼
NA when local weather not available.

NAME ALTERNATE MINIMUMS

GREENVILLE, TX
MAJORS (GVT) ... **ILS Y or LOC/DME Y Rwy 17[3]**
ILS Z or LOC/DME Z Rwy 17[3]
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[1]
VOR/DME Rwy 17[1]
TACAN Rwy 17[1]
TACAN Rwy 35[1]
NA when local weather not available.
[1]Category E, 800-2¾.
[2]Category D, 800-2¼; Category E, 800-2¾.
[3]ILS, LOC, Category D, 800-2¼; Category E, 800-2¾.

HENDERSON, TX
RUSK COUNTY (RFI).....**RNAV (GPS) Rwy 17**
NA when local weather not available.

HEREFORD, TX
HEREFORD
MUNI (HRX).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

HILLSBORO, TX
HILLSBORO
MUNI (INJ).....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.

LANCASTER, TX
LANCASTER
RGNL (LNC) .....**RNAV (GPS) Rwy 31**
NA when local weather not available.

LONGVIEW, TX
EAST TEXAS
RGNL (GGG) ..... **ILS or LOC Rwy 13[123]**
RNAV (GPS) Rwy 13[13]
RNAV (GPS) Rwy 18[3]
RNAV (GPS) Rwy 31[13]
RNAV (GPS) Rwy 36[3]
VOR/DME or TACAN Rwy 13[13]
VOR/DME or TACAN Rwy 31[1]
[1]Category E, 800-2½.
[2]NA when control tower closed.
[3]NA when local weather not available.

NAME ALTERNATE MINIMUMS

LUBBOCK, TX
LUBBOCK PRESTON SMITH
INTL (LBB) ..... **ILS or LOC Rwy 17R[1]**
ILS or LOC Rwy 26[1]
RNAV (GPS) Rwy 8[2]
RNAV (GPS) Rwy 26[2]
RNAV (GPS) Y Rwy 17R[2]
RNAV (GPS) Y Rwy 35L[2]
VOR/DME or TACAN Rwy 26[3]
[1]ILS, Category D, 700-2; Category E, 900-3; LOC, Category E, 900-3.
[2]Category E, 900-3.
[3]Category E, 800-2½.

MESQUITE, TX
MESQUITE METRO (HQZ). **ILS or LOC Rwy 18[1]**
LOC/DME BC Rwy 36
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.
[1]ILS, Category C, 800-2.

MIDLOTHIAN/WAXAHACHIE, TX
MID-WAY
RGNL (JWY) ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

MINERAL WELLS, TX
MINERAL WELLS (MWL).... **ILS or LOC Rwy 31[1]**
RNAV (GPS) Rwy 31[2]
NA when local weather not available.
[1]ILS, Category C, 800-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
[2]Category C, 800-2¼; Category D, 800-2½ .

MOUNT PLEASANT, TX
MOUNT PLEASANT
RGNL (OSA) ..... **RNAV (GPS) Rwy 17[1]**
RNAV (GPS) Rwy 35
NA when local weather not available.
[1]Category D, 800-2¼.

PAMPA, TX
PERRY LEFORS
FIELD (PPA)..... **RNAV (GPS) Rwy 17**
VOR/DME-A
NA when local weather not available.

PARIS, TX
COX FIELD (PRX)..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
VOR Rwy 35
NA when local weather not available.

NAME ALTERNATE MINIMUMS

PERRYTON, TX
PERRYTON OCHILTREE
COUNTY (PYX) ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

PLAINVIEW, TX
HALE COUNTY (PVW) ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
NA when local weather not available.

ROCKWALL, TX
RAPLH M HALL/ROCKWALL
MUNI (F46)…… **NDB-A[1]**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
NA when local weather not available.
[1]Category A,B, 900-2.

SEMINOLE, TX
GAINES
COUNTY (GNC) ..... **RNAV (GPS) Rwy 35**
NA when local weather not available.

SHERMAN/DENSION, TX
NORTH TEXAS REGIONAL/PERRIN
FIELD (GYI) ..... **RNAV (GPS) Rwy 17L**
RNAV (GPS) Rwy 35R
VOR/DME-A
NA when local weather not available.

SNYDER, TX
WINSTON
FIELD (SNK) ..... **RNAV (GPS) Rwy 35**
NA when local weather not available.

SULPHUR SPRINGS, TX
SULPHUR SPRINGS
MUNI (SLR) ..... **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

SWEETWATER, TX
AVENGER FIELD (SWW)..... **NDB Rwy 17**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 35
NA when local weather not available.

TERRELL, TX
TERRELL MUNI (TRL)..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS

TYLER, TX

TYLER POUNDS
RGNL (TYR)..... **ILS or LOC Rwy 13[1]**
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 17[23]
RNAV (GPS) Rwy 22[2]
RNAV (GPS) Rwy 31[2]
RNAV (GPS) Rwy 35[23]
VOR/DME Rwy 4[2]
VOR Rwy 31[2]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

VERNON, TX

WILBARGER
COUNTY (F05)..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

WICHITA FALLS, TX

KICKAPOO
DOWNTOWN (CWC) ..... **RNAV (GPS) Rwy 35**
NA when local weather not available.

SHEPPARD AFB/
WICHITA FALLS MUNI (KSPS) **RADAR-1**
NA when Sheppard approach control closed.

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or radar vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow radar vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one -half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

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NAME TAKEOFF MINIMUMS

ABILENE, TX

ABILENE RGNL (ABI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 17005 (FAA)

TAKEOFF MINIMUMS: **Rwy 22,** 300-2¼ or std. w/ min. climb of 203' per NM to 2200, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER.

DEPARTURE PROCEDURE: **Rwy 17L,** climb on heading 175° to 3000 before proceeding on course.

NOTE: **Rwy 4,** chy beginning 1839' from DER, 489' right of centerline, up to 49' AGL/1815' MSL. **Rwy 17R,** grd 13' from DER, 474' left of centerline, 1789' MSL. Pole 949' from DER, 742' left of centerline, 29' AGL/1820' MSL. **Rwy 22,** fence 8' from DER, 372' left of centerline, 14' AGL/1762' MSL. Tree 119' from DER, 400' left of centerline, 1769' MSL. Tree 122' from DER, 517' right of centerline, 21' AGL/1772' MSL. Trees beginning 144' from DER, 375' left of centerline, up to 28' AGL/1776' MSL. Tree 327' from DER, 471' right of centerline, 24' AGL/1775' MSL. Tree 439' from DER, 450' right of centerline, 22' AGL/1777' MSL. Pole 1151' from DER, 746' left of centerline, 31' AGL/1784' MSL. Tower 4018' from DER, 227' right of centerline, 135' AGL/1870' MSL. Tower 1.9 NM from DER, 276' left of centerline, 306' AGL/2051' MSL. **Rwy 35L,** pole, wsk beginning 193' from DER, 516' right of centerline, up to 8' AGL/1769' MSL. **Rwy 35R,** DME 1203' from DER, 265' left of centerline, 15' AGL/1823' MSL.

NAME TAKEOFF MINIMUMS

AMARILLO, TX

RICK HUSBAND AMARILLO INTL (AMA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07242 (FAA)

DEPARTURE PROCEDURE: **Rwy 22,** climb heading 218° to 4100 before turning northbound. **Rwy 31,** climbing right turn heading 360° to 5400 before turning westbound.

NOTE: **Rwy 31,** sign 23' from DER, 257' right of centerline, 6' AGL/3605' MSL.

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AMARILLO, TX (CON'T)

TRADEWIND (TDW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11321 (FAA)

TAKEOFF MINIMUMS: **Rwys 5, 23,** NA - Environmental. **Rwy 35,** 300-1¾ or std. w/min. climb of 248' per NM to 4000.

DEPARTURE PROCEDURE: **Rwy 35,** climb heading 004° to 5500 before turning left.

NOTE: **Rwy 17,** fence beginning 14' from DER, left and right of centerline, up to 6' AGL/3645' MSL. Vehicle on road 57' from DER, left and right of centerline, up to 17' AGL/3656' MSL. Poles beginning 297' from DER, 331' right of centerline, up to 34' AGL/3673' MSL. Trees beginning 121' from DER, 181' right of centerline, up to 55' AGL/3675' MSL. Trees beginning 175' from DER, 306' left of centerline, up to 55' AGL/3688' MSL. **Rwy 35,** fences and signs beginning 18' from DER, left and right of centerline, up to 10' AGL/3659' MSL. Vehicle on road beginning 60' from DER, left and right of centerline, up to 17' AGL/3666' MSL. Power lines beginning 124' from DER, left and right of centerline, up to 50' AGL/3679' MSL. Trees beginning 168' from DER, 142' left of centerline, up to 55' AGL/3698' MSL. Trees beginning 60' from DER, 166' right of centerline, up to 55' AGL/3698' MSL. Tower 1.2 NM from DER, 4181' right of centerline, 300' AGL/3912' MSL. Tower 1.3 NM from DER, 2290' left of centerline, 250' AGL/3910' MSL.

ANDREWS, TX

ANDREWS COUNTY (E11)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 09239 (FAA)

TAKEOFF MINIMUMS: **Rwy 20,** 400-2¼ or std. w/ min. climb of 229' per NM to 3700.

DEPARTURE PROCEDURE: **Rwy 11,** climb heading 114° to 3600 before turning left. **Rwy 29,** climb heading 294° to 3600 before turning left.

NOTE: **Rwy 34,** antenna 1189' from DER, 588' left of centerline, 52' AGL/3236' MSL. Poles beginning 181' from DER, 470' left of centerline, up to 36' AGL/3210' MSL. Bush 471' from DER, 92' left of centerline, 7' AGL/3186' MSL. Tree 1207' from DER, 587' left of centerline, 44' AGL/3228' MSL. Bushes beginning 282' from DER, 305' right of centerline, up to 10' AGL/3189' MSL. Tree 4780' from DER, 895' right of centerline, 100' AGL/3304' MSL.

ARLINGTON, TX

ARLINGTON MUNI (GKY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 14261 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 162° to 2500 before turning left. **Rwy 34,** climb heading 342° to 1400 before turning southeast bound.

NOTE: **Rwy 16,** REILs beginning 80' from DER, 126' left of centerline, up to 15' AGL/601' MSL. REILs beginning 77' from DER, 126' right of centerline, up to 19' AGL/603' MSL. Trees 593' from DER, 479' right of centerline, up to 26' AGL/614' MSL. Transmission tower 3596' from DER, 1433' left of centerline, 112' AGL/702' MSL. **Rwy 34,** trees beginning 228' from DER, 403' left of centerline, up to 35' AGL/654' MSL. Trees beginning 1090' from DER, 439' right of centerline, up to 61' AGL/670' MSL. Trees 1525' from DER, 339' left of centerline, up to 72' AGL/681' MSL.

ATHENS, TX

ATHENS MUNI (F44)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10154 (FAA)

NOTE: **Rwy 17,** trees beginning 209' from DER, 5' right of centerline, up to 89' AGL/561' MSL. Trees beginning 86' from DER, 4' left of centerline, up to 94' AGL/538' MSL. Catenary 864' from DER, left to right of centerline, 37' AGL/524' MSL. Buildings beginning 280' from DER, 343' right of centerline, up to 24' AGL/469' MSL. Fence beginning 209' from DER, 299' right of centerline, up to 6' AGL/446' MSL. Poles beginning 397' from DER, 6' right of centerline, up to 42' AGL/524' MSL. **Rwy 35,** trees beginning 112' from DER, 33' right of centerline, up to 81' AGL/511' MSL. Trees beginning 574' from DER, 26' left of centerline, up to 75' AGL/510' MSL. Catenary 889' from DER, 603' left of centerline, 34' AGL/475' MSL. Pole 892' from DER, 571' left of centerline, 35' AGL/475' MSL. Pole 692' from DER, 416' left of centerline, 32' AGL/470' MSL. Pole 549' from DER, 309' right of centerline, 28' AGL/455' MSL. Vehicle on road 199' from DER, 249' right of centerline, 16' AGL/451 MSL. Vehicle on road 574' from DER, 556' left of centerline, 16' AGL/456' MSL. Vehicle on road 619' from DER, 543' left of centerline, 16' AGL/455' MSL. Vehicle on road 336' from DER, 251' right of centerline, 16' AGL/449' MSL. Buildings beginning 198' from DER, 338' right of centerline, 14' AGL/450' MSL. Ground 208' from DER, 412' right of centerline, 443' MSL.

ATLANTA, TX

HALL-MILLER MUNI (ATA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 12040 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** 200-1¼ or std. w/min. climb of 229' per NM to 500. **Rwy 23,** 300-1½.

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 048° to 800 before turn left.

NOTE: **Rwy 5,** tower 4143' from DER, 677' left of centerline, up to 125' AGL/398' MSL. **Rwy 23,** trees beginning 1042' from DER, left and right of centerline, up to 100' AGL/489' MSL.

BIG SPRING, TX

BIG SPRING MC MAHON-WRINKLE (BPG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 12068 (FAA)

TAKEOFF MINIMUMS: **Rwy 6,** 400-1½ w/min. climb of 254' per NM to 3400, or std. w/min. climb of 399' per NM to 3100.

DEPARTURE PROCEDURE: **Rwy 6,** climb heading 060° to 3300 before turning right. **Rwy 17,** climb heading 175° to 3100 before turning left.

NOTE: **Rwy 6,** trees beginning 160' from DER, 177' right of centerline, up to 25' AGL/2628' MSL. Trees beginning 424' from DER, 221' left of centerline, up to 38' AGL/2739' MSL. Poles beginning 1569' from DER, 19' left of centerline, up to 36' AGL/2722' MSL. Poles beginning 1529' from DER, 178' right of centerline, up to 34' AGL/2628' MSL. Tank 1.2 NM from DER, 2179' left of centerline, 135' AGL/2859' MSL.

BONHAM, TX
JONES FIELD (F00)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11237 (FAA)
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 176°to 1100 before turning right.
NOTE: **Rwy 17,** trees 106' from DER, 293' right of centerline, 20' AGL/630' MSL. Trees 560' from DER, left and right of centerline, 30' AGL/630' MSL. T-L tower 868' from DER, 575' right of centerline, 38' AGL/655' MSL. Multiple power poles 1374' from DER, left and right of centerline, 45' AGL/655' MSL. **Rwy 35,** trees 1540' from DER, 858' left of centerline, 80' AGL/659' MSL. Trees 1660' from DER, 812' right of centerline, 80' AGL/699' MSL.

BORGER, TX
HUTCHINSON COUNTY (BGD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08157 (FAA)
TAKEOFF MINIMUMS: **Rwy 17,** 200-1½ or std. w/ min. climb of 421' per NM to 3400.
NOTE: **Rwy 3,** tree 3200' from DER, 851' left of centerline, 100' AGL/3129' MSL. **Rwy 17,** pole 683' from DER, 396' right of centerline, 21' AGL/3090' MSL. Trees beginning 820' from DER, 279' right of centerline, up to 34' AGL/3093' MSL. Vehicle on road 219' from DER, 513' right to left of centerline, 15' AGL/3074' MSL. Vehicle on road 1141' from DER, 772' right to left of centerline, 17' AGL/3086' MSL. Trees beginning 1628' from DER, 207' left of centerline, up to 43' AGL/3112' MSL. Antenna 1427' from DER, 15' left of centerline, 46' AGL/3105' MSL. **Rwy 21,** bush 138' from DER, 109' right of centerline, 31' AGL/3040' MSL.

BOWIE, TX
BOWIE MUNI (0F2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09071 (FAA)
NOTE: **Rwy 17,** tree 131' from DER, 311' right of centerline, 100' AGL/1169' MSL. Trees beginning 122' from DER, 313' left of centerline, up to 100' AGL/1199' MSL. **Rwy 35,** tree 418' from DER, 299' left of centerline, 100' AGL/1206' MSL. Vehicle on road 726' from DER, 471' left of centerline, 15' AGL/1131' MSL.

BRECKENRIDGE, TX
STEPHENS COUNTY (BKD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12208 (FAA)
TAKEOFF MINIMUMS: **Rwys 4, 22, 13, 31** NA - ATC.
NOTE: **Rwy 17,** Trees beginning 1424' from DER, 214' left and right of centerline, up to 55' AGL/1344' MSL. **Rwy 35,** Trees beginning 538' from DER, left and right of centerline, up to 55' AGL/1324' MSL. Vehicles on road 631' from DER, 205ft right of centerline, up to 15' AGL/1284' MSL.

BRIDGEPORT, TX
BRIDGEPORT MUNI (XBP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 09351 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 400-2 or std. w/ min. climb of 458' per NM to 1300. **Rwy 36,** 300-1¼ or std. w/ min. climb of 427' per NM to 1200.
NOTE: **Rwy 18,** trees beginning 2383' from DER, 504' right of centerline, up to 100' AGL/1169' MSL. Trees beginning 2438' from DER, 525' left of centerline, up to 100' AGL/1109' MSL. Tower 1.2 NM from DER, 664' left of centerline, 55' AGL/1046' MSL. Tower 1.2 NM from DER, 1121' left of centerline, 55' AGL/1042' MSL. **Rwy 36,** trees beginning 111' from DER, 21' right of centerline, up to 100' AGL/851' MSL. Trees beginning 607' from DER, 430' left of centerline, up to 100' AGL/1039' MSL. Hanger 12' from DER, 424' right of centerline, 17' AGL/827' MSL. Multiple poles and towers beginning 1064' from DER, 297' left of centerline, 43' AGL/969' MSL.

BROWNFIELD, TX
TERRY COUNTY (BFE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09295 (FAA)
NOTE: **Rwy 2,** aircraft on taxiway beginning at DER, 188' left of centerline, up to 17' AGL/3281' MSL. Vehicle on roadway, 121' from DER, 519' right of centerline, 15' AGL/3269' MSL. Hangar 591' from DER, 333' left of centerline, 30' AGL/3289' MSL. Tree 950' from DER, 179' right of centerline, 34' AGL/3299' MSL. **Rwy 13,** vehicles on roadway beginning 71' from DER, 61' left of centerline, up to 15' AGL/3269' MSL. **Rwy 20,** tree 2937' from DER, 1108' right of centerline, 75' AGL/3329' MSL. **Rwy 31,** vehicles on roadway beginning at DER, 198' left of centerline, up to 15' AGL/3284' MSL. Aircraft on taxiway beginning at DER, 253' right of centerline, up to 17' AGL/3281' MSL. Vehicles on roadway beginning 299' from DER, 14' right of centerline up to 15' AGL/3284' MSL. Hangar 572' from DER, 597' right of centerline, 30' AGL/3299' MSL. Tree 1832' from DER, 233' right of centerline, 75' AGL/3344' MSL.

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CANADIAN, TX
HEMPHILL COUNTY(HHF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14317 (FAA)
TAKEOFF MINIMUMS: **Rwy 4,** 200-1¼ or std. w/min. climb of 285' per NM to 2700. **Rwy 18,** std. w/ min. climb of 295' per NM to 3600, or 1300-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 22,** climb heading 218° to 3100 before turning left.
VCOA: **Rwy 18,** obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Hemphill airport at or above 3500 before proceeding on course.
NOTE: **Rwy 36,** vehicle on road 174' from DER, 170' left of centerline, up to 15' AGL/2379' MSL. Trees beginning 1172' for DER, 652' left of centerline, up to 55' AGL/2426' MSL. **Rwy 4,** trees beginning at DER, 462' right of centerline, up to 55' AGL/2428' MSL. Trees 1034' from DER, 50' left of centerline, 55' AGL/2419' MSL. Trees 3028' from DER, 770' right of centerline, 55' AGL/2503' MSL. Elevator 5708' from DER, 1440' left of centerline, 229' AGL/2581' MSL. Tower 6532' from DER, 3' right of centerline, 123' AGL/2548' MSL. **Rwy 18,** pole 123' from DER, 521' right of centerline, 36' AGL/2427' MSL. Trees 791' from DER, 246' left of centerline, 55' AGL/2454' MSL. Tower 8010' from DER, 203' left of centerline, 60' AGL/2615' MSL. **Rwy 22,** fence and terrain beginning 12' from DER, left and right of centerline, 8' AGL/2396' MSL. Trees beginning 403' from DER, 487' left of centerline, 49' AGL/2457' MSL.

CHILDRESS, TX
CHILDRESS MUNI (CDS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT1 11069 (FAA)
NOTE: **Rwy 4,** trees beginning from 997' from DER, 4' right of centerline, up to 100' AGL/2049' MSL. Tree 1151' from DER, 93' left of centerline, 100' AGL/2049' MSL. **Rwy 18,** post 64' from DER, 49' right of centerline, 5' AGL/1958' MSL. Trees beginning from 1286' from DER, 630' right of centerline, up to 100' AGL/2008' MSL. **Rwy 22,** tree 4873' from DER, 231' left of centerline, 100' AGL/2069' MSL. Tree 5638' from DER, 1746' right of centerline, 100' AGL/2089' MSL. **Rwy 36,** tree 196' from DER, 442' right of centerline, 100' AGL/2049' MSL. Tree 578' from DER, 387' left of centerline, 100' AGL/2049' MSL.

CLEBURNE, TX
CLEBURNE RGNL (CPT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 13178 (FAA)
TAKEOFF MINIMUMS: **Rwy 33**, 300-1½ or std. w/ min. climb of 422' per NM to 1200.
NOTES: **Rwy 15,** multiple poles, beginning 952' from DER, 425' right of centerline, up to 30' AGL/883' MSL. Tree 441' from DER, 501' right of centerline, 55' AGL/868' MSL. Pole 1137' from DER, 742' left of centerline 35' AGL/875' MSL. **Rwy 33,** multiple trees, beginning 602' from DER, 300' left of centerline, up to 55' AGL/873' MSL. Well drilling rig, 3268' from DER, 123' left of centerline, 174' AGL/1043' MSL. Well drilling rig 1.2 NM from DER, 615' left of centerline, 104' AGL/976' MSL. Transmission pole, 1817' from DER, 183' left of centerline, 80' AGL/900' MSL.

COMMERCE, TX
COMMERCE MUNI (2F7)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10322 (FAA)
TAKEOFF MINIMUMS: **Rwy 18**, 300-2 or std. w/ min. climb of 213' per NM to 900.
DEPARTURE PROCEDURE: **Rwy 18,** climb heading 179°to 1100 before turning right.
NOTE: **Rwy 18,** vehicle on road 7' from DER, 345' left of centerline, 15' AGL/524' MSL. Trees 725' from DER, 481' right of centerline, up to 100' AGL/609' MSL. Power line beginning 1.4 NM from DER, 1425' left of centerline, up to 200' AGL/759' MSL. **Rwy 36,** vehicle on road 9' from DER, 307' right of centerline, 15' AGL/534' MSL. Terrain 15' from DER, 424' left of centerline, 519' MSL. Trees beginning 688' from DER, 127' right of centerline, up to 100' AGL/619' MSL. Vehicle on road 708' from DER, on centerline, 15' AGL/534' MSL. Trees beginning 4694' from DER, 107' right of centerline, up to 100' AGL/639' MSL.

CORSICANA, TX
C. DAVID CAMPBELL FLD-CORSICANA MUNI (CRS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11265 (FAA)
TAKEOFF MINIMUMS: **Rwys 2,20,** NA - Turf.
NOTE: **Rwy 14,** trees beginning 188' from DER, 43' left and right of centerline, up to 48' AGL/480' MSL. Terrain beginning 64' from DER, 16' left and right of centerline, 440' MSL. Vehicle on road 201' from DER, 349' right of centerline, 15' AGL/446' MSL. Power lines beginning 1071' from DER, 749' left of centerline, 40' AGL/479' MSL. **Rwy 32,** trees beginning 208' from DER, 317' left and right of centerline, up to 51' AGL/500' MSL. Poles beginning 583' from DER, 384' right of centerline, up to 35' AGL/484' MSL. Bush, 70' from DER, 493' left of centerline, 11' AGL/460' MSL. Vehicle on road beginning 482' from DER, on runway centerline, 15' AGL/468' MSL.

CROSBYTON, TX
CROSBYTON MUNI (8F3)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11237 (FAA)
NOTE: **Rwy 17,** trees beginning 421' from DER, 207' left of centerline, up to 55' AGL/3064' MSL. Tree 838' from DER, 704' right of centerline, 55' AGL/3069' MSL. **Rwy 35,** tree 2044' from DER, 1004' right of centerline, 55' AGL/3074' MSL.

DALHART, TX
DALHART MUNI (DHT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 87155 (FAA)
TAKEOFF MINIMUMS: **Rwy 3,** 600-2 or std. with a min. climb of 250´ per NM to 4400.

DALLAS, TX

ADDISON (ADS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 15,** 400-2½ or std. w/min. climb of 325' per NM to 1100.

NOTE: **Rwy 15,** vehicles on road and in parking lots, railroads, and poles beginning 168' from DER, 118' right of centerline, up to 36' AGL/665' MSL. Navaid, sign, vehicles in parking lots, railroads, poles, trees, and buildings beginning 316' from DER, 1' left of centerline, up to 50' AGL/683' MSL. Pole and trees beginning 1705' from DER, 46' right of centerline, up to 59' AGL/690' MSL. Buildings beginning 3191' from DER, left and right of centerline, up to 149' AGL/787' MSL. Building 1.1 NM from DER, 279' left of centerline, 229' AGL/850' MSL. Building 1.9 NM from DER, 970' right of centerline, 345' AGL/975' MSL. Building 2.1 NM from DER, 58' right of centerline, 362' AGL/973' MSL. **Rwy 33,** service road and buildings beginning 45' from DER, 458' right of centerline, up to 10' AGL/653' MSL. Sign, vehicles in parking lots, poles, buildings, and trees beginning 641' from DER, 335' left of centerline, up to 34' AGL/693' MSL. Sign, vehicles on road and in parking lots, poles, buildings, and trees beginning 651' from DER, 455' right of centerline, up to 37' AGL/696' MSL. Buildings, poles, and trees beginning 1597' from DER, 3' right of centerline, up to 54' AGL/723' MSL. Buildings, poles, and trees beginning 1667' from DER, 4' left of centerline, up to 47' AGL/716' MSL.

MCKINNEY NATIONAL (TKI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 16175 (FAA)

NOTE: **Rwy 18,** tree 2445' from DER, 689' right of centerline, 70' AGL/653' MSL. **Rwy 36,** tree 1126' from DER, 703' right of centerline, 35' AGL/610' MSL.

DALLAS, TX (CON'T)

DALLAS EXECUTIVE (RBD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 17,** 400-2¾ or std. w/min. climb of 220' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 13,** climb heading 129° to 1800 before turning westbound. **Rwy 17,** climb heading 174° to 2600 before turning westbound. **Rwy 31,** climb heading 309° to 1500 before turning southbound. **Rwy 35,** climb heading 354° to 1400 before turning southbound.

NOTE: **Rwy 13,** REIL and obstruction light on blast fence beginning 19' from DER, 115' left of centerline, up to 10' AGL/658' MSL. REIL 20' from DER, 115' right of centerline, 6' AGL/651' MSL. **Rwy 17,** REIL 38' from DER, 116' right of centerline, 5' AGL/663' MSL. REIL 40' from DER, 160' left of centerline, 5' AGL/664' MSL. Trees beginning 61' from DER, 340' left of centerline, up to 63' AGL/702' MSL. Trees beginning 113' from DER, 304' right of centerline, up to 37' AGL/686' MSL. Tower 2.2 NM from DER, 583' left of centerline, 314' AGL/1027' MSL. **Rwy 31,** REIL 29' from DER 152' left of centerline, 5' AGL/656' MSL. REIL 29' from DER, 151' right of centerline, 5' AGL/658' MSL. Trees beginning 11' from DER, 237' left of centerline, up to 29' AGL/700' MSL. Trees beginning 23' from DER, 268' right of centerline, up to 47' AGL/686' MSL. Trees beginning 1095' from DER, 167' right of centerline, up to 69' AGL/708' MSL. Trees beginning 1560' from DER, 554' left of centerline, up to 71' AGL/740' MSL. **Rwy 35,** terrain and REIL beginning 4' from DER, 10' right of centerline, up to 5' AGL/656' MSL. REIL 40' from DER, 118' left of centerline, 5' AGL/654' MSL. Trees beginning 87' from DER, 302' left of centerline, up to 51' AGL/680' MSL. Building and trees beginning 82' from DER, 284' right of centerline, up to 65' AGL/691' MSL.

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DALLAS, TX (CON'T)

DALLAS-LOVE FIELD (DAL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 16A 16091 (FAA)

TAKEOFF MINIMUMS: **Rwy 13L,** std. w/min. climb of 290' per NM to 1700. **Rwy 13R,** std. w/min. climb of 315' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy18,** climb heading 183°to 1300 before turning left. **Rwy 31L,** climb heading 313°to 1200 before turning left. **Rwy 31R,** climb heading 313°to 1200 before turning left.

NOTE: **Rwy 18,** building 303' from DER, 354' right of centerline, 47' AGL/507' MSL. Trees beginning 775' from DER, 138' right of centerline, up to 50' AGL/536' MSL. Tree 1254' from DER, 399' left of centerline, 50' AGL/ 531' MSL. **Rwy 36,** tree 52' from DER, 390' left of centerline, 50' AGL/523' MSL. Building 898' from DER, 233' left of centerline 45' AGL/505' MSL. Trees beginning 433' from DER, 240' right of centerline up to 75' AGL/ 559' MSL. Trees 661' from DER, 95' left of centerline, up to 50' AGL/505' MSL. Transmission towers beginning 1025' from DER, left and right of centerline, up to 68' AGL/572' MSL. **Rwy 31L,** trees beginning 327' from DER, 374' right of centerline, up to 60' AGL/ 501' MSL. **Rwy 31R,** pole 38' from DER, 501' left of centerline, 27' AGL/487' MSL. Trees beginning 366' from DER, 552' right of centerline, up to 65' AGL/530' MSL. Pole 1531' from DER, 719' right of centerline, up to 61' AGL/521' MSL. **Rwy 13L,** trees, poles and electrical systems beginning 844' from DER, 515' left of centerline, up to 45' AGL/541' MSL. Crane 5270' from DER, 568' left of centerline, 130' AGL/630' MSL. **Rwy 13R**, poles and fences beginning 693' from DER, 601' right of centerline, up to 29' AGL/ 501' MSL. Sign 779' from DER, 669' left of centerline, 30' AGL/ 503' MSL. Trees beginning 1122' from DER, 670' left and right of centerline, up to 40' AGL/514' MSL. Sign 1424' from DER, 763' left of centerline, 45' AGL/ 516' MSL. Rod on stake 2234' from DER, 979' left of centerline, 65' AGL/ 537' MSL.

DALLAS-FORT WORTH, TX

DALLAS-FORT WORTH INTL (DFW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 35R,** 300 - 1½ or std. w/ min. climb of 221' per NM to 800, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to DER.

DEPARTURE PROCEDURE: **Rwy 35R,** climb heading 356°to 1200 before proceeding on course .

NOTE: **Rwy 31L,** trees beginning 928' from DER, 724' left of centerline, up to 55' AGL/654' MSL. Trees 1229' from DER, 729' right of centerline, up to 28' AGL/637' MSL. Transmission poles and towers beginning 3402' from DER, 1398' right of centerline, up to 110' AGL/730' MSL. **Rwy 31R,** building 732' from DER, 633' left of centerline, 34' AGL/604' MSL. **Rwy 35R,** building 5466' from DER, 758' right of centerline, 135' AGL/674' MSL. Building 1.1 NM from DER, 240' right of centerline, 173' AGL/714' MSL.

DECATUR, TX

DECATUR MUNI (LUD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 35,** std. w/min. climb of 320' per NM to 3500, or 1600-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 163° to 1700 before proceeding North. **Rwy 35,** obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Decatur Muni airport at or above 2500 before proceeding on course.

NOTE: **Rwy 17,** trees and poles beginning 120' from DER, 372' left of centerline, up to 51' AGL/1071' MSL. Terrain and trees beginning 327' from DER, 452' right of centerline, up to 18' AGL/1067' MSL. Poles 766' from DER, 45' right of centerline, up to 33' AGL/1065' MSL. Poles 2287' from DER, 662' left of centerline, up to 54' AGL/1095' MSL. Stacks and buildings beginning 2495' from DER, 786' right of centerline, up to 62' AGL/1112' MSL. Tower 5149' from DER, 895' right of centerline, 117' AGL/1173' MSL. **Rwy 35,** trees beginning 378' from DER, 276' right of centerline, up to 31' AGL/1050' MSL.

DENTON, TX

DENTON ENTERPRISE (DTO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 16175 (FAA)

NOTE: **Rwy 18,** vehicles on road beginning 36' from DER, 274' left of centerline, up to 10' AGL/636' MSL. Trees beginning 8' from DER, 381' right of centerline, up to 27' AGL/636' MSL. **Rwy 36,** trees beginning 88' from DER, 218' right of centerline, up to 17' AGL/646' MSL. Trees 123' from DER, 217' left of centerline, up to 22' AGL/652' MSL. Trees beginning 574' from DER, 517' right of centerline, up to 43' AGL/682' MSL. Trees beginning 864' from DER, 497' left of centerline, up to 43' AGL/672' MSL.

DUMAS, TX

MOORE COUNTY (DUX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10042 (FAA)

NOTE: **Rwy 1,** multiple poles beginning 766' from DER, 455' right of centerline, up to 31' AGL/3724' MSL. Multiple poles and buildings beginning 55' from DER, 438' left of centerline, up to 30' AGL/3723' MSL. Vehicle on road 47' from DER, on centerline, 15' AGL/3712' MSL. Trees 1240' from DER, 764' left of centerline, up to 100' AGL/3789' MSL. Trees 2049' from DER, 933' right of centerline, up to 100' AGL/3790' MSL. **Rwy 19,** trees 226' from DER, 538' right of centerline, up to 100' AGL/3809' MSL. Trees 228' from DER, 533' left of centerline, up to 100' AGL/3804' MSL. **Rwy 14,** tree 879' from DER, on centerline, 100' AGL/3788' MSL. **Rwy 32,** tree 1480' from DER, 15' left of centerline, 100' AGL/3794' MSL.

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EASTLAND, TX

EASTLAND MUNI (ETN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11013 (FAA)

TAKEOFF MINIMUMS: **Rwy 35,** std. w/ min. climb of 215' per NM to 2300 or alternatively, with standard takeoff minimums and normal 200' per NM climb gradient, takeoff must occur no later than 1100' prior to DER, or 1000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 175°to 2000' before turning East. **Rwy 35,** for climb in visual conditions: cross Eastland Muni at or above 2300 MSL before proceeding on course.

NOTE: **Rwy 17,** tree 48' from DER, 317' left of centerline, 27' AGL/1466' MSL, tree 521' from DER, 541' left of centerline, 34' AGL/1465' MSL. Tree 896' from DER, 408' left of centerline, 55' AGL/1482' MSL, pole 460' from DER, 439' left of centerline, 21' AGL/1457' MSL. Pole 640' from DER, 466' left of centerline, 31' AGL/1463' MSL. Pole 650' from DER, 277' left of centerline, 28' AGL/1465' MSL. Numerous trees and bushes beginning 15' from DER, 248' right of center line, up to 100' AGL/1488' MSL. Fence 81' from DER, 250' right of centerline, 4' AGL/1449' MSL. Train on rail 497' from DER left and right of centerline, 23' AGL/1463' MSL. **Rwy 35,** numerous trees beginning 38' from DER, right and left of center line, up to 100' AGL/1580' MSL. Numerous poles starting 1188' from DER, 64' right of centerline, up to 40' AGL/1588' MSL. Pole 1683' from DER, 51' left of centerline, 21' AGL/1568' MSL, pole 2610' from DER, 166' left of centerline, 20' AGL/1561' MSL. Catenary 1068' from DER, left to right of centerline, 52' AGL/1581' MSL, ground 76' from DER, left and right of centerline, 1565' MSL. Vehicle on road 1291' from DER, left and right of centerline, 15' AGL/1572 MSL, oil well 1287' from DER, 293' left of centerline, 16' AGL/1519' MSL, oil well 2033' from DER, 499' right of centerline, 14' AGL/1531' MSL.

ENNIS, TX

ENNIS MUNI (F41)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11125 (FAA)

NOTE: **Rwy 15,** vehicle on road 362' from DER, 561' right of centerline, 15' AGL/ 494' MSL. Trees beginning 870' from DER, left and right of centerline, up to 100' AGL/ 579' MSL. **Rwy 33,** vehicles on road beginning 423' from DER, left and right of centerline, up to 15' AGL/534' MSL. Trees beginning 40' from DER, left and right of centerline, up to 100' AGL/609' MSL.

FLOYDADA, TX

FLOYDADA MUNI (41F)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09295 (FAA)

NOTE: **Rwy 17,** silo 3320' from DER, 355' right of centerline, 149' AGL/3329' MSL. Building 3648' from DER, 248' right of centerline, 108' AGL/3289' MSL. **Rwy 35,** road and vehicle beginning 525' from DER, 19' left and right of centerline, up to 15' AGL/3202' MSL.

FOLLETT, TX

FOLLETT-LIPSCOMB COUNTY (T93)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)

NOTE: **Rwy 17,** tree 3005' from DER, 346' right of centerline, 50' AGL/2689' MSL. Tree 444' from DER, 595' left of centerline, 50' AGL/2639' MSL. Vehicle 546' from DER, 350' left of centerline, 15' AGL/2624' MSL. **Rwy 35,** tree 643' from DER, 624' right of centerline, 50' AGL/2579' MSL.

FORT WORTH, TX

BOURLAND FIELD (50F)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 17,** 300-2 or std. w/min. climb of 512' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 165°to 1400 before turning right.

NOTE: **Rwy 17,** trees beginning 9' from DER, 87' right of centerline, up to 60' AGL/886' MSL. Trees beginning 17' from DER, 113' left of centerline, up to 57' AGL/886' MSL. Trees 188' from DER, 28' left of centerline, up to 15' AGL/844' MSL. Terrain, pole, vehicles on road, and trees beginning 680' from DER, 15' right of centerline, up to 38' AGL/988' MSL.... Terrain, vehicles on road, and trees beginning 871' from DER, 10' left of centerline, up to 47' AGL/987' MSL. Trees 2723' from DER, 533' right of centerline, up to 32' AGL/1011' MSL. Transmission tower 1.4 NM from DER, 2471' right of centerline, 123' AGL/1123' MSL. Transmission tower 1.5 NM from DER, 2849' right of centerline, 93' AGL/1092' MSL. **Rwy 35,** terrain, fences, vehicles in parking lot, vehicles on road, signs, poles, and trees beginning 22' from DER, 30' left of centerline, up to 26' AGL/935' MSL. Terrain, fences, vehicles on road, poles, trees, and signs beginning 165' from DER, 42' right of centerline, up to 42' AGL/925' MSL. Terrain, vehicles in parking lot, vehicles on road, and trees beginning 1013' from DER, 29' right of centerline, up to 15' AGL/956' MSL. Terrain, vehicles in parking lot, vehicles on road, and trees beginning 2606' from DER, 328' right of centerline, up to 16' AGL/995' MSL. Terrain, vehicles in parking lot, vehicles on road, and trees beginning 2433' from DER, 663' left of centerline, up to 17' AGL/1006' MSL.

FORT WORTH, TX (CON'T)

FORT WORTH ALLIANCE (AFW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 16L,** 300-2¼ or std. w/ min. climb of 208' per NM to 1100, or alternatively, w/ standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1400' prior to DER. **Rwy 16R,** 300-2¼ or std. w/min. climb of 210' per NM to 1100, or alternatively, w/standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.

DEPARTURE PROCEDURE: **Rwy 16R,** climb heading 166°to 1100 before turning right.

NOTE: **Rwy 16L,** light pole 1285' from DER, 689' left of centerline, 49' AGL/697' MSL. Tank 1.8 NM from DER, 3121' right of centerline, 148' AGL/954' MSL. **Rwy 16R,** fence 4' from DER, 249' right of centerline, 8' AGL/669' MSL. Tank 1.8 NM from DER, 2520' right of centerline, 148' AGL/954' MSL. **Rwy 34L,** fence 8' from DER, 250' left of centerline, 5' AGL/719' MSL. Railroad beginning 421' from DER, 287' left of centerline, up to 23' AGL/738' MSL. **Rwy 34R,** pole 217' from DER, 145' left of centerline, 29' AGL/728' MSL.

FORT WORTH MEACHAM INTL (FTW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7A 15204 (FAA)

TAKEOFF MINIMUMS: **Rwy 34,** 300-2 or std. w/min. climb of 220' per NM to 1100, or alternatively, w/ standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1800' prior to DER. **Rwy 35,** 300-1¼ or std. w/min. climb of 205' per NM to 900, or alternatively, w/standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER.

DEPARTURE PROCEDURE:

Rwys 16, 17, climb heading 164°to 1600 before proceeding on course.

NOTE: **Rwy 17,** bushes 16' from DER, 160' right of centerline, up to 3' AGL/674' MSL. Light pole 140' from DER, 454' left of centerline, 34' AGL/677' MSL. Pole, tower, hangar, buildings, trees, and antennas beginning 531' from DER, 388' left of centerline, up to 59' AGL/722' MSL. **Rwy 34,** vehicles on road beginning 4' from DER, 236' left of centerline, up to 17' AGL/722' MSL. Poles and trees beginning 973' from DER, 681' right of centerline, up to 30' AGL/746' MSL. Light poles beginning 2468' from DER, 1138' right of centerline, up to 47' AGL/787' MSL. Building 1.5 NM from DER, 2768' right of centerline, 256' AGL/970' MSL. **Rwy 35,** vehicles on road and trees beginning abeam DER, 294' left of centerline, up to 29' AGL/705' MSL. Terrain, fences, vehicles on road, and poles beginning 20' from DER, 229' right of centerline, up to 17' AGL/697' MSL. Terrain, dam, fences, and vehicles on road beginning 979' from DER, 1' right of centerline, up to 17' AGL/720' MSL. Sign and pole beginning 1531' from DER, 282' left of centerline, up to 62' AGL/755' MSL. Transmission tower 6006' from DER, 1294' left of centerline, 99' AGL/821' MSL. Transmission tower 1 NM from DER, 1957' left of centerline, 98' AGL/826' MSL.

FORT WORTH, TX (CON'T)

FORT WORTH SPINKS (FWS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 07298 (FAA)

TAKEOFF MINIMUMS: **Rwys 17L,35R**, NA. (Environmental)

DEPARTURE PROCEDURE: **Rwy 17R** climb heading 173°to 1200 before turning right.

NOTE: **Rwy 17R,** tree 4909' from DER, 1556' left of centerline, 60' AGL/830' MSL.

KENETH COPELAND (4T2)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17005 (FAA)

NOTE: **Rwy 17:** trees, wall, and rd beginning 7' from DER, 65' right of centerline, up to 79' AGL/732' MSL. Wsk, grd, and trees beginning 46' from DER, 214' left of centerline, up to 24' AGL/685' MSL. Trees beginning 470' from DER, 291' left of centerline, up to 41' AGL/710' MSL. Trees beginning 1902' from DER, 390' left of centerline, up to 79' AGL/727' MSL. Trees beginning 1986' from DER, 559' left of centerline, up to 82' AGL/729' MSL. Trees beginning 2382' from DER, 885' left of centerline, up to 86' AGL/742' MSL. **Rwy 35:** wall 2' from DER, 228' right of centerline, 3' AGL/691' MSL. Grd 7' from DER, 189' left of centerline, 1' AGL/689' MSL. Grd beginning 8' from DER, 359' right of centerline, up to 698' MSL. Tree 53' from DER, 354' left of centerline, 21' AGL/700' MSL. Trees, grd beginning 117' from DER, 200' right of centerline, up to 30' AGL/716' MSL. Rd, trees beginning 241' from DER, 271' right of centerline, up to 20' AGL/719' MSL. Trees beginning 285' from DER, 487' left of centerline, up to 43' AGL/714' MSL. Trees beginning 913' from DER, 610' right of centerline, up to 44' AGL/726' MSL. Trees beginning 1000' from DER, 235' right of centerline, up to 44' AGL/728' MSL. Trees beginning 2040' from DER, 99' left of centerline, up to 99' AGL/751' MSL.

FORT WORTH NAS JRB (CARSWELL FLD) (KNFW)

FORT WORTH, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

14149

Rwy 18, Cross DER at or above 6' AGL/656' MSL.

TAKEOFF OBSTACLES: **Rwy 18,** rising terrain up to 670' MSL, 200'-600' from DER, 500'-560' right of centerline.

05 JAN 2017 to 02 FEB 2017
05 JAN 2017 to 02 FEB 2017

GAINESVILLE, TX

GAINESVILLE MUNI (GLE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17005 (FAA)

NOTE: **Rwy 13,** trees beginning 13' from DER, 147' left of centerline, up to 12' AGL/804' MSL. Tree 185' from DER, 513' left of centerline, 18' AGL/809' MSL. **Rwy 18,** REIL 41' from DER, 126' right of centerline, 2' AGL/794' MSL. REIL 42' from DER, 125' left of centerline, 3' AGL/794' MSL. Tree 85' from DER, 468' left of centerline, 24' AGL/815' MSL. Tree and poles beginning 156' from DER, 502' left of centerline, up to 32' AGL/822' MSL. Vent on bldg and poles beginning 478' from DER, 500' left of centerline, up to 827' MSL. **Rwy 31,** tree 18' from DER, 237' right of centerline, 22' AGL/847' MSL. Trees beginning 23' from DER, 271' right of centerline, up to 24' AGL/850' MSL. Trees and fence beginning 148' from DER, 335' right of centerline, up to 28' AGL/855' MSL. Vent on bldg 613' from DER, 641' left of centerline, 854' MSL. Vent on bldg and bldgs beginning 737' from DER, 524' left of centerline, up to 857' MSL. Trees beginning 1610' from DER, 519' left of centerline, up to 873' MSL. Trees beginning 1711' from DER, 114' left of centerline, up to 64' AGL/885' MSL. Trees beginning 1824' from DER, 29' left of centerline, up to 886' MSL. Trees beginning 1940' from DER, 52' left of centerline, up to 76' AGL/890' MSL. Trees beginning 1990' from DER, 8' left of centerline, up to 77' AGL/895' MSL. Tree 2227' from DER, 142' right of centerline, 68' AGL/885' MSL. Tree 2597' from DER, 674' right of centerline, 69' AGL/893' MSL. **Rwy 36,** REIL 37' from DER, 124' left of centerline, 3' AGL/847' MSL. REIL 37' from DER, 124' right of centerline, 3' AGL/847' MSL. Bush, grd, and fence beginning 115' from DER, 299' right of centerline, up to 868' MSL. Fence and grd beginning 150' from DER, 417' left of centerline, up to 5' AGL/864' MSL. Tree, bush, and grd beginning 337' from DER, 369' left of centerline, up to 865' MSL. Fence and grd beginning 596' from DER, 400' left of centerline, up to 868' MSL. Bush 799' from DER, 514' right of centerline, 871' MSL. Fence 806' from DER, 364' left of centerline, 869' MSL. Tree 947' from DER, 429' right of centerline, 873' MSL. Tree 1060' from DER, 459' left of centerline, 878' MSL. Poles and trees beginning 1233' from DER, 57' left of centerline, up to 31' AGL/890' MSL. Poles and tree beginning 1289' from DER, 131' right of centerline, up to 33' AGL/882' MSL. Tree 2642' from DER, 466' left of centerline, 922' MSL.

GILMER, TX

FOX STEPHENS FIELD-GILMER MUNI (JXI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13262 (FAA)

TAKEOFF MINIMUMS: **Rwy 18,** 300-1 or std. w/min. climb of 445' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 18,** climb heading 177° to 1000 before turning left.

NOTE: **Rwy 18,** trees beginning 262' from DER, 226' left of centerline, up to 100' AGL/529' MSL. Trees beginning 495' from DER, 125' right of centerline, up to 100' AGL/569' MSL. **Rwy 36,** trees beginning 12' from DER, 131' left of centerline, up to 100' AGL/510' MSL. Trees beginning 236' from DER, 34' right of centerline, up to 100' AGL/509' MSL. Tree 2400' from DER, 436' left of centerline, 100' AGL/519' MSL. Light tower 2806' from DER, 825' right of centerline, 150' AGL/540' MSL. Light tower 3277' from DER, 1284' right of centerline, 150' AGL/546' MSL. Tree 3820' from DER, 728' left of centerline, 100' AGL/539' MSL.

GLADEWATER, TX

GLADEWATER MUNI (07F)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11153 (FAA)

TAKEOFF MINIMUMS: **Rwy 17,** 300-1¾ or std. w/min. climb of 285' per NM to 600. **Rwy 32,** 300-1. **Rwy 35,** Std. w/min. climb of 280' per NM to 1300 or 1100-2 ½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 32,** climb heading 320°to 1100 before turning right. **Rwy 35,** for climb in visual conditions cross Gladewater Municipal Airport at or above 1200 before proceeding on course.

NOTE: **Rwy 14,** vehicles on roadway beginning 450' from DER, left and right of centerline, up to 17' AGL/311' MSL. Trees beginning 770' from DER, left and right of centerline, up to 100' AGL/394' MSL. Power lines 3524' from DER, left to right of centerline, 150' AGL/420' MSL. **Rwy 17,** vehicles on roadway beginning 212' from DER, left and right of centerline, up to 17' AGL/311' MSL. Trees beginning 624' from DER, left and right of centerline, up to 100' AGL/509' MSL. Power lines 1807' from DER, left to right of centerline, 150' AGL/439' MSL. **Rwy 32,** trees beginning 12' from DER, left and right of centerline, up to 100' AGL/429' MSL. **Rwy 35,** trees beginning 47' from DER, left and right of centerline, up to 100' AGL/429' MSL. Power lines 1.4 NM from DER, 844' right of centerline, 75' AGL/520' MSL.

GRAFORD, TX
POSSUM KINGDOM (F35)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 10154 (FAA)
TAKEOFF MINIMUMS: **Rwy 20,** 400-2½ or std. w/ a min. climb of 212' per NM to 1500 or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1600' prior to DER.
DEPARTURE PROCEDURE: **Rwy 20,** climb heading 204°to 1500 before turning left.
NOTE: **Rwy 2,** trees beginning 31' from DER, 22' left of centerline, up to 100' AGL/1099' MSL. Trees beginning 1023' from DER, 114' right of centerline, up to 100' AGL/1129' MSL. **Rwy 20,** vehicle on roadway 116' from DER, 498' right of centerline, 15' AGL/1024' MSL. Trees beginning 494' from DER, 126' right of centerline, up to 100' AGL/1109' MSL. Trees beginning 977' from DER, 115' left of centerline, up to 100' AGL/1109' MSL. Trees beginning 2.29 miles from DER, 1679' left of centerline, up to 100' AGL/1329' MSL.

GRAHAM, TX
GRAHAM MUNI (RPH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 01235 (FAA)
DEPARTURE PROCEDURE: **Rwys 17, 21,** climb runway heading to 2000 before proceeding on course.
NOTE: **Rwy 17,** light pole 21' from DER, 195' left of centerline, 30' AGL/1141' MSL. Light pole 86' from DER, 381' left of centerline, 50' AGL/1168' MSL.

GRANBURY, TX
GRANBURY RGNL (GDJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11125 (FAA)
TAKEOFF MINIMUMS: **Rwy 14,** 300-1.
DEPARTURE PROCEDURE: **Rwy 14,**climb heading 144°to 1700 before turning right.
NOTE: **Rwy 14,** vehicles on road beginning 1020' from DER, on centerline, 15' AGL/814' MSL. Trees and power poles beginning at DER, 75' right of centerline, up to 100' AGL/879' MSL. Trees, power poles, light poles and vehicles on road beginning at DER, 251' left of centerline, up to 100' AGL/899' MSL. **Rwy 32,** train on railroad tracks, transmission poles and tree beginning 339' from DER, 107' right of centerline, 76'AGL/845' MSL. Trees, vehicles on road and bush beginning 14' from DER, 198' left of centerline, up to 46' AGL/815' MSL.

GRAND PRAIRIE, TX
GRAND PRAIRIE MUNI (GPM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 14261 (FAA)
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 189° to 2500 before proceeding on course. **Rwy 35,** climb heading 354°to 1400 before turning southbound.
NOTE: **Rwy 17,** antenna, tower, vehicles on road, sign, pole, and trees beginning 190' from DER, 410' right of centerline, up to 37' AGL/620' MSL. **Rwy 35,** pole 2686' from DER, 121' left of centerline, 75' AGL/653' MSL.

GREENVILLE, TX
MAJORS (GVT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08269 (FAA)
NOTE: **Rwy 17,** trees beginning 1832' from DER, 397' right of centerline, up to 49' AGL/578' MSL.

GRUVER, TX
GRUVER MUNI (E19)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11293 (FAA)
NOTE: **Rwy 2,** fence beginning 10' from DER, 284' right of centerline, 4' AGL/3191' MSL. **Rwy 20,** vehicle on road 87' from DER, 467' left of centerline, 15' AGL/3219' MSL. Fence beginning 22' from DER, 204' right of centerline, 4' AGL/3209' MSL.

HASKELL, TX
HASKELL MUNI (15F)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 91094 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 600-2 or std. with a min. climb of 340' per NM to 2300.
DEPARTURE PROCEDURE: **Rwy 18,** climb runway heading to 2300 before proceeding on course.

HENDERSON, TX
RUSK COUNTY (RFI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10098 (FAA)

TAKEOFF MINIMUMS: **Rwy 12,** 300-1. **Rwy 30,** 300-1¼ or std. w/ min. climb of 282' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 12,** climb heading 123°to 1100 before turning northbound. **Rwy 30,** climb heading 303°to 2100 before turning northbound. **Rwy 35,** climb heading 347°to 1900 before turning westbound.

NOTE: **Rwy 12,** multiple trees beginning 143' from DER, 440' right of centerline, up to 100' AGL/549' MSL. Multiple trees beginning 237' from DER, 59' left of centerline, up to 100' AGL/609' MSL. Vehicle on road beginning 652' from DER, 401' left of centerline, up to 15' AGL/464' MSL. Terrain beginning 82' from DER, 18' right of centerline 447' MSL. terrain beginning 291' from DER, 132' left of centerline, 506' MSL. **Rwy 17,** multiple trees beginning 399' from DER, 86' right of centerline, up to 100' AGL/539' MSL. Multiple trees beginning 163' from DER, 103' left of centerline, up to 100' AGL/549' MSL. **Rwy 30,** multiple trees beginning 640' from DER, 116' right of centerline, up to 100' AGL/539' MSL. Multiple trees beginning 478' from DER, 141' left of centerline, up to 100' AGL/539' MSL. Terrain beginning 41' from DER, 334' right of centerline, 0' AGL/437' MSL. Terrain beginning 102' from DER, 459' left of centerline, 0' AGL/437' MSL. **Rwy 35,** vehicle on road beginning 145' from DER, 333' right of centerline, up to 15' AGL/454' MSL. Trees beginning 1155' from DER, 353' right of centerline, up to 100' AGL/549' MSL. Trees beginning 158' from DER, 269' left of centerline, up to 100' AGL/539' MSL.

HEREFORD, TX
HEREFORD MUNI (HRX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10042 (FAA)

TAKEOFF MINIMUMS: **Rwys 14, 32,** NA-Environmental.

NOTE: **Rwy 2,** tree 68' from DER, 495' left of centerline, 50' AGL/3834' MSL. Trees beginning 280' from DER, 535' right of centerline, up to 50 AGL/3834' MSL. Trees beginning 984' from DER, 504' left of centerline, up to 50' AGL/3834' MSL. **Rwy 20,** trees beginning 61' from DER, 461' right of centerline, up to 50' AGL/3839' MSL. Trees beginning 497' from DER, 606' left of centerline, up to 50' AGL/3839' MSL. Tree 1603' from DER, 760' right of centerline, 50' AGL/3829' MSL.

HIGGINS, TX
HIGGINS-LIPSCOMB COUNTY (1X1)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10154 (FAA)

NOTE: **Rwy 36,** vehicles on road beginning at DER, 225' left of centerline and 317' right of centerline, up to 15' AGL/2594' MSL. Trees beginning 427' from DER, on centerline, up to 60' AGL/2639' MSL.

HILLSBORO, TX
HILLSBORO MUNI (INJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06047 (FAA)

TAKEOFF MINIMUMS: **Rwy 16,** 600-3 or std. w/ min. climb of 250' per NM to 1500, or 1100-2 ½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** for climb in visual conditions: Cross Hillsboro Muni Airport at or above 1600 before proceeding on course.

LANCASTER, TX
LANCASTER RGNL (LNC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 31,** 300-1¼ or std. w/min. climb of 205' per NM to 800, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER.

DEPARTURE PROCEDURE: **Rwy 31,** climb heading 314° to 1800 before turning left.

NOTE: **Rwy 31,** trees 888' from DER, 637' right of centerline, up to 35' AGL/536' MSL. Trees beginning 1133' from DER, 479' left of centerline, up to 45' AGL/541' MSL. Transmission tower 1 NM from DER, 1685' right of centerline, 127' AGL/661' MSL.

LEVELLAND, TX
LEVELLAND MUNI (LLN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 11013 (FAA)

TAKEOFF MINIMUMS: **Rwy 26,** std. w/ min. climb of 255' per NM to 4300 or 900-3 for climb in visual conditions. **Rwy 35,** 400-2 or std. w/ min. climb of 250' per NM to 4000.

DEPARTURE PROCEDURE: **Rwy 26,** for climb in visual conditions cross Levelland Muni airport at or above 4400 before proceeding on course.

NOTE: **Rwy 8,** tree 61' from DER, 451' left of centerline, 55' AGL/3564' MSL. **Rwy 26,** pole 53' from DER , 308' right of centerline, 24' AGL/3543' MSL. Tree 265' from DER, 414' right of centerline, 31' AGL/3550' MSL. **Rwy 17,** vehicle on road 4' from DER, 387' left of centerline, 15' AGL/3522' MSL. Vehicle on road 205' from DER, 388' left of centerline, 15' AGL/3521' MSL. Tree 1291' from DER, 188' right of centerline, 55' AGL/3564' MSL. **Rwy 26,** building 1271' from DER, 811' left of centerline, 80' AGL/3593' MSL. **Rwy 35,** building 124' from DER, 492' left of centerline, 29' AGL/3518' MSL. Poles beginning 1186' from DER, 235' left of centerline, up to 54' AGL/3543' MSL. Trees beginning 1250' from DER, left and right of centerline, up to 55' AGL/3561' MSL.

LITTLEFIELD, TX
LITTLEFIELD TAYLOR BROWN MUNI (LIU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13178 (FAA)
NOTE: **Rwy 1**, trees beginning 391' from DER, 238' right of centerline, up to 55' AGL/3655' MSL. Trees beginning 466' from DER, 277' left of centerline, up to 55' AGL/3655' MSL. **Rwy 13,** power poles beginning 623' from DER, across centerline, up to 35' AGL/3630' MSL. Trees beginning 1080' from DER, 694' left of centerline, up to 55' AGL/3650' MSL. **Rwy 19,** poles beginning 665' from DER, 353' left of centerline, up to 52' AGL/3638' MSL. Trees beginning 715' from DER, 521' left of centerline, up to 61' AGL/3644' MSL. Trees beginning 765' from DER, 576' right of centerline, up to 74' AGL/3657' MSL. **Rwy 31,** vehicle on road 365' from DER, left and right of centerline, up to 15' AGL/3635' MSL.

LONGVIEW, TX
EAST TEXAS RGNL (GGG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 08325 (FAA)
NOTE: **Rwy 13,** multiple trees 720' from DER, 547' left of centerline, up to 50' AGL/404' MSL. Multiple trees 1381' from DER, 600' right of centerline, up to 55' AGL/409' MSL. **Rwy 18,** multiple trees beginning 790' from DER, left and right of centerline, up to 94' AGL/459' MSL. **Rwy 31,** tree 1489' from DER , 842' left of centerline, 49' AGL/406' MSL. Tree 1737' from DER, 755' right of centerline, 63' AGL/420' MSL. **Rwy 36,** multiple trees beginning 1590' from DER, 520' left of centerline, up to 84' AGL/438' MSL. Tree 2384' from DER , 18' right of centerline, 65' AGL/419' MSL.

LUBBOCK, TX
LUBBOCK PRESTON SMITH INTL (LBB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12208 (FAA)
NOTE: **Rwy 17L,** Vehicle on road, 556' from DER, 162' left of centerline 15' AGL/3279' MSL. **Rwy 26,** Aircraft on taxiway 1174' from DER, on centerline, 42' AGL/ 3297' MSL. **Rwy 35R,** Aircraft on taxiway 218' from DER 422' left or right of centerline, 42' AGL/3317' MSL. Rod on control tower, 2330' from DER, 877' left of centerline 136' AGL/3379' MSL.

MARSHALL, TX
HARRISON COUNTY (ASL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12040 (FAA)
TAKEOFF MINIMUMS: **Rwy 2,** 300-1 or std w/min. climb of 440' per NM to 600. **Rwy 33,** 300-1¼.
NOTE: **Rwy 2,** trees beginning 207' from DER, left and right of centerline, up to 100' AGL/439' MSL. Trees beginning 1281' from DER, 371' right of centerline, up to 100' AGL/489' MSL. Trees beginning 3102' from DER, 163' left of centerline, up to 100' AGL/509' MSL. Power lines beginning 3119' from DER, left and right of centerline, up to 120' AGL/509' MSL. **Rwy 15,** trees beginning 81' from DER, 472' right of centerline, up to 94' AGL/394' MSL. Trees beginning 180' from DER. 212' left of centerline, up to 90' AGL/410' MSL. Trees beginning 1872' from DER, left and right of centerline, up to 121' AGL/401' MSL. **Rwy 20,** numerous trees, buildings, and poles beginning 31' from DER, left and right of centerline, up to 100' AGL/469' MSL. **Rwy 33,** trees beginning 264' from DER, left and right of centerline, up to 100' AGL/459' MSL. Light poles beginning 573' from DER, 365' left of centerline, up to 120' AGL/509' MSL. Power lines beginning 1649' from DER, left and right of centerline, up to 120' AGL/509' MSL. Trees beginning 1953' from DER, left and right of centerline, up to 100' AGL/529' MSL.

MESQUITE, TX
MESQUITE METRO (HQZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4A 15176 (FAA)
NOTE: **Rwy 18,** fence and trees beginning abeam DER, 362' left of centerline, up to 5' AGL/447' MSL. Sign, vehicles on road, and trees beginning 254' from DER, 453' left of centerline, up to 49' AGL/478' MSL. **Rwy 36,** trees beginning 45' from DER, 389' right of centerline, up to 29' AGL/452' MSL. Pole 814' from DER, 288' right of centerline, 27' AGL/467' MSL. Building, pole, and trees beginning 53' from DER, 497' left of centerline, up to 41' AGL/483' MSL.

MIDLOTHIAN/WAXAHACHIE, TX
MID-WAY RGNL (JWY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14261 (FAA)
DEPARTURE PROCEDURE: **Rwy 18,** climb heading 178° to 1700 before proceeding northbound. **Rwy 36,** climb heading 013° to 2700 before turning left.
NOTE: **Rwy 18,** vehicles on road, catenaries, and poles beginning 159' from DER, 465' right of centerline, up to 39' AGL/712' MSL. Trees beginning 956' from DER, 594' left of centerline, up to 71' AGL/722' MSL **Rwy 36,** trees beginning 6' from DER, 334' left of centerline, up to 34' AGL/753' MSL. Trees beginning 82' from DER, 251' right of centerline, up to 40' AGL/759' MSL. Catenaries and trees beginning 1067' from DER, 629' left of centerline, up to 37' AGL/765' MSL.

MINEOLA, TX
MINEOLA WISENER FIELD (3F9)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 11069 (FAA)
TAKEOFF MINIMUMS: **Rwys 17, 35,** NA-Obstacles.

MINEOLA/QUITMAN, TX
WOOD COUNTY (JDD)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 15092 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 300-2 or std. w/min. climb gradient of 270' per NM to 700.
NOTE: **Rwy 18,** tree line, crossing centerline, 2027' from DER, up to 100' AGL/534' MSL. Tree, 4573' from DER, 1195' right of centerline, 585' MSL. Tree, 5454' from DER, 1462' left of centerline, 589' MSL. Tree, 5107' from DER, 1073' left of centerline, 92' AGL/597' MSL. Terrain 12' from DER, 17' left of centerline, 433' MSL. Terrain 22' from DER, 239' right of centerline, 436' MSL. **Rwy 36,** tree line, crossing centerline, 1657' from DER, up to 100' AGL/570' MSL. Terrain 952' from DER, 719' left of centerline, 510' MSL.

MINERAL WELLS, TX
MINERAL WELLS (MWL)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 2 13178 (FAA)
TAKEOFF MINIMUMS: **Rwy 31,** 500-3, or std. w/ min. climb of 265' per NM to 1600.
DEPARTURE PROCEDURE: **Rwy 31,** climb heading 305°to 2000 before turning right.
NOTE: **Rwy 13**, trees beginning 91' from DER, 200' left of centerline, up to 87' AGL/986' MSL. Tree 362' from DER, 222' right of centerline, 86' AGL/985' MSL. Tree 366' from DER, 252' right of centerline, 87' AGL/986' MSL. Ground 73' from DER, 214' right of centerline, 975' MSL. **Rwy 17**, tree 502' from DER, 279' right of centerline, 100' AGL/1059' MSL. Tree 525' from DER, 618' left of centerline, 100' AGL/1069' MSL. Tree 1687' from DER, 804' left of centerline, 100' AGL/1089' MSL. **Rwy 31**, Trees beginning 187' from DER, 130' left of centerline, up to 51' AGL/964' MSL. Trees beginning 793' from DER, on centerline, up to 49' AGL/948' MSL. Tree 338' from DER, 491' right of centerline, 30' AGL/946' MSL. **Rwy 35**, Tree 575' from DER, 21' right of centerline, 30' AGL/946' MSL. Tree 582' from DER, 614' left of centerline, 31' AGL/940' MSL. Tree 908' from DER, 696' right of centerline, 100' AGL/1019' MSL. Tree 1251' from DER, 93' left of centerline, 100' AGL/1009' MSL. Tree 1407' from DER, 391' right of centerline, 100' AGL/1009' MSL.

MOUNT PLEASANT, TX
MOUNT PLEASANT RGNL (OSA)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 09015 (FAA)
TAKEOFF MINIMUMS: **Rwy 35,** 300-1¼ or std. w/ min. climb of 309' per NM to 700, or alternatively, with standard TAKEOFF minimums and a normal 200' per NM climb gradient, TAKEOFF must occur no later than 1,600' prior to DER.
NOTE: **Rwy 17,** trees 1231' from DER, 679' right of centerline, 100' AGL/399' MSL. **Rwy 35,** tower 1.04 NM from DER, 1261' right of centerline, 180' AGL/539' MSL. Trees 695' from DER, 614' left of centerline, 100' AGL/469' MSL.

MOUNT VERNON, TX
FRANKLIN COUNTY (F53)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 11013 (FAA)
TAKEOFF MINIMUMS: **Rwy 13,** 400-2½ or std. w/ min. climb of 238' per NM to 900.
NOTE: **Rwy 13,** trees beginning 1598' from DER, 84' left of centerline, up to 100' AGL/529' MSL. Tower and trees beginning 2889' from DER, 1022' right of centerline, up to 280' AGL/780' MSL. **Rwy 31,** trees beginning 446' from DER, 175' left of centerline, up to 100' AGL/479' MSL. Tower and trees beginning 3439' from DER, 452' right of centerline, up to 113' AGL/500' MSL.

OLNEY, TX
OLNEY MUNI (ONY)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 13010 (FAA)
NOTE: **Rwy 4,** trees beginning 923' from DER, 721' right of centerline, up to 34' AGL/1303' MSL. **Rwy 13**, vehicles on road beginning 700' from DER, left and right of centerline, up to 15' AGL/1264' MSL. Trees beginning 745' from DER, 428' left of centerline, up to 55' AGL/1304' MSL. **Rwy 22,** vehicles on road beginning 272' from DER, 556' right of centerline, up to 15' AGL/1284' MSL. Trees beginning 930' from DER, left and right of centerline, up to 55' AGL/1324' MSL. **Rwy 31,** vehicles on road beginning 845' from DER, left and right of centerline, up to 15' AGL/1294' MSL. **Rwy 35,** trees beginning 502' from DER, 428' right of centerline, up to 22' AGL/1293' MSL. Trees beginning 517' from DER, 22' left of centerline, 30' AGL/1299' MSL.

PADUCAH, TX
DAN E. RICHARDS MUNI (3F6)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11349 (FAA)
TAKEOFF MINIMUMS: **Rwy 35,** 300-2 or std. w/min. climb of 238' per NM to 2400.
DEPARTURE PROCEDURE: **Rwy 35,** climb heading 350°to 2400 before turning left.
NOTE: **Rwy 17,** fence line beginning abeam DER, 100' right of centerline, 4' AGL/1853' MSL. Vehicles on road beginning 90' from DER, 379' left of centerline. up to 15' AGL/1864' MSL. Power poles beginning 184' from DER, 295' left of centerline, up to 50' AGL/1899' MSL. Tree 717' from DER, 46' right of centerline, 21' AGL/1870' MSL. Trees beginning 1072' from DER, 779' left of centerline, up to 100' AGL/1949' MSL. **Rwy 35,** berm abeam DER, 90' left of centerline, 1864' MSL. Fence line beginning abeam DER, 105' left of centerline, 5' AGL/1864' MSL. Power poles beginning 114' from DER, left and right of centerline, up to 50' AGL/1909' MSL. Vehicles on road beginning 773' from DER, 690' left of centerline, up to 17' AGL/1886' MSL. Trees beginning 4572' from DER, 346' left of centerline, up to 100' AGL/1989' MSL.

PAMPA, TX
PERRY LEFORS FIELD (PPA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13010 (FAA)
NOTE: **Rwy 35,** pole 771' from DER, 409' left of centerline, 33' AGL/3272' MSL.

PANHANDLE, TX
PANHANDLE-CARSON COUNTY (T45)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11181 (FAA)
NOTE: **Rwy 35,** vehicle on road 95' from DER, 270' right of centerline, up to 15' AGL/3464' MSL. Vehicle on road 218' from DER, up to 10' AGL/3466' MSL. **Rwy 17,** vehicle on road 77' from DER, 228' right of centerline, up to 15' AGL/3469' MSL. Vehicle on road 279' from DER, 277' left of centerline, up to 15' AGL/3464' MSL. Electric pole 512' from DER 253' left of centerline, up to 55' AGL/ 3509' MSL. House 650' from DER, 133' left of centerline, up to 20' AGL/3469' MSL.

PARIS, TX
COX FIELD (PRX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06327 (FAA)
NOTE: **Rwy 17,** multiple trees beginning 88' from DER, 299' right of centerline, up to 50' AGL/558' MSL. **Rwy 35,** bushes and pole beginning 406' from DER, 402' left of centerline up to 35' AGL/573' MSL. Multiple trees beginning 161' from DER, 81' right of centerline, up to 50' AGL/578' MSL. **Rwy 32,** multiple trees beginning 716' from DER, 488' right of centerline, up to 50' AGL/568' MSL.

PERRYTON, TX
PERRYTON OCHILTREE COUNTY (PYX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 17005 (FAA)
TAKEOFF MINIMUMS: **Rwys 4, 22,** NA-Environmental.
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 173°to 3500 before turning right.
NOTE: **Rwy 17,** vehicles on road 525' from DER, crossing extended runway centerline, 2929' MSL. Poles and power line beginning 554' from DER, 391' left of centerline, 26' AGL/2941' MSL. Poles and power line beginning 559' from DER, 389' right of centerline, 24' AGL/2940' MSL. **Rwy 35,** pole 14' from DER, 185' left of centerline, 13' AGL/2928' MSL. Poles and power line beginning 715' from DER, 359' left of centerline, up to 33' AGL/2946' MSL.

PLAINS, TX
YOAKUM COUNTY (F98)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08269 (FAA)
NOTE: **Rwy 3,** tree 948' from DER, 725' left of centerline, 50' AGL/3769' MSL. **Rwy 17,** vehicle on road 99' from DER, 476' right of centerline,15' AGL/3699' MSL. **Rwy 35,** vehicle on road 546' from DER, 527' left of centerline, 15' AGL/3714' MSL.

PLAINVIEW, TX
HALE COUNTY (PVW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12096 (FAA)
TAKEOFF MINIMUMS: **Rwy 4,** 300-1½ or std. w/min. climb of 420' per NM to 3700.
NOTE: **Rwy 4,** fuel pump 137' from DER, 368' right of centerline, 5' AGL/3371' MSL. Building 261' from DER, 444' right of centerline, 33' AGL/3394' MSL. Pole 264' from DER, 394' right of centerline, 27' AGL/3388' MSL. Trees beginning 2817' from DER, 1064' right of centerline, up to 100' AGL/3454' MSL. Tower 4696' from DER, 1750' left of centerline, 209' AGL/3558' MSL. Multiple elevators beginning 6190' from DER, 339' left of centerline, up to 200' AGL/3555' MSL. **Rwy 13,** trees beginning 1218' from DER, 530' right of centerline, up to 100' AGL/3469' MSL. Trees beginning 2137' from DER, 479' left of centerline, up to 100' AGL/3469' MSL. **Rwy 22,** multiple trees, poles and antennas beginning 1121' from DER, 311' left of centerline, up to 100' AGL/3474' MSL. **Rwy 31,** pole 1186' from DER, 204' right of centerline, 35' AGL/3405' MSL. Trees beginning 4035' from DER, 841' left of centerline, up to 100' AGL/3479' MSL. Trees beginning 4144' from DER, 1318' right of centerline, up to 100' AGL/3479' MSL.

ROCKWALL, TX
RALPH M HALL/ROCKWALL MUNI (F46)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14261 (FAA)
NOTE: **Rwy 17,** vehicles on road beginning 19' from DER, on centerline and left and right of centerline, up to 15' AGL/584' MSL. Trees beginning 128' from DER, 354' left of centerline, up to 30' AGL/599' MSL. Trees beginning 135' from DER, 205' right of centerline, up to 30' AGL/589' MSL. Trees beginning 810' from DER, on centerline and left and right of centerline, up to 100' AGL/679' MSL. **Rwy 35,** transmission line and transmission towers beginning 362' from DER, on centerline and left and right of centerline, up to 91' AGL/607' MSL.

SEMINOLE, TX
GAINES COUNTY (GNC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10210 (FAA)
TAKEOFF MINIMUMS: **Rwy 35,** std. w/ min. climb of 612' per NM to 3600 or 300-1 w/ min. climb of 235' per NM to 3900, or 900-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 35,** climb heading 350°to 4000 before turning right. For climb in visual conditions cross Gaines County airport at or above 4100 before proceeding on course.
NOTE: **Rwy 17,** brush beginning 147' from DER 388' right of centerline, 30' AGL/3280' MSL. Tree 231' from DER, 356' right of centerline, 60' AGL/3293' MSL. House 865' from DER, 531' left of centerline, 25' AGL/3289' MSL. Pole 1238' from DER, 650' right of centerline, 30' AGL/3297' MSL. **Rwy 35,** tower 2898' from DER, 1016' left of centerline, 169' AGL/3440' MSL.

SEYMOUR, TX
SEYMOUR MUNI (60F)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 12040 (FAA)
NOTE: **Rwy 17,** vehicles on roadway beginning 27' from DER, left and right of centerline, up to 17' AGL/1356' MSL. Aircraft on taxiway 36' from DER, 175' left of centerline, up to 25' AGL/1364' MSL. Buildings beginning 73' from DER, 251' left of centerline, up to 40' AGL/1379' MSL. Trees beginning 710' from DER, 225' left of centerline, up to 100' AGL/1459' MSL. **Rwy 35,** vehicles on roadway beginning 35' from DER, 202' left of centerline, up to 17' AGL/1356' MSL. Trees beginning 421' from DER, 7' right of centerline, up to 100' AGL/1439' MSL.

SHEPPARD AFB/WICHITA FALLS MUNI (KSPS),
WICHITA FALLS, TX
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13290
DEPARTURE PROCEDURE: **Rwy 15R/15C/15L,** Climb on heading 153°to 2500' before turning Westbound. **Rwy 17,** Climb heading 160°to 2500', intercept SPS VORTAC R-120 outbound. Cross SPS R-120/8 DME (HUNEP) at or below 2500', then climb and maintain 5000' or higher as assigned. Turn on course after reaching 3100'. **Rwy 35,** Climb heading 355°to 1500' then proceed on course.
TAKE-OFF OBSTACLES: **Rwy 17,** Light pole 31' AGL/1040' MSL, 837' from DER, 726' left of centerline. **Rwy 35,** Large frame aircraft parking, 56' AGL/1053' MSL, 337' from DER, 542' left of centerline. Large frame aircraft parking, 56' AGL/1053' MSL, 451' from DER, 573' left of centerline.

SHERMAN, TX
SHERMAN MUNI (SWI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13234 (FAA)
TAKEOFF MINIMUMS: **Rwy 34,** 300-1½ or std. w/min. climb of 267' per NM to 1100.
DEPARTURE PROCEDURE: **Rwy 34,** climb heading 343°to 1500 before turning right.
NOTE: **Rwy 16,** trees beginning 8' from DER, 237' right of centerline up to 55' AGL/755' MSL. Sign 19' from DER, 133' left of centerline, 1' AGL/713' MSL. Trees beginning 25' from DER, 314' left of centerline, up to 69' AGL/775' MSL. Pole 332' from DER, 522' right of centerline, 30' AGL/740' MSL. Poles beginning 406' from DER, 574' left of centerline up to 37' AGL/747' MSL. Transmission tower lighted 695' from DER, 242' left of centerline, 23' AGL/733' MSL. **Rwy 34,** fence beginning 50' from DER, 38' right of centerline, up to 13' AGL/753' MSL. Trees beginning 80' from DER, 3' left of centerline, up to 72' AGL/822' MSL. Oil rig 140' from DER, 300' right of centerline, 31' AGL/771' MSL. Trees beginning 252' from DER, 15' right of centerline, up to 79' AGL/839' MSL. Poles beginning 419' from DER, 250' right of centerline, up to 44' AGL/802' MSL. Light support structure 1074' from DER, 271' right of centerline, 40' AGL/784' MSL. Building 1499' from DER, 847' right of centerline, 35' AGL/795' MSL. Tower 1.2 NM from DER, 1026' left of centerline, 164' AGL/938' MSL.

SHERMAN/DENISON, TX
NORTH TEXAS RGNL/PERRIN FIELD (GYI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11125 (FAA)
DEPARTURE PROCEDURE: **Rwy 17L,** Climb heading 176°to 1800 before turning right.
NOTE: **Rwy 13,** rising terrain beginning 48' from DER. 202' left of centerline, 745' MSL. Plane on taxiway 521' from DER,48' left of centerline, up to 55' AGL/804' MSL. Trees beginning 3299' from DER, 519' right of centerline, up to 100' AGL/859' MSL. **Rwy 17L,**vehicle on road 123' from DER 446' right of centerline, up to 15' AGL/784' MSL. Pole 1088' from DER, 740' left of centerline, 10' AGL/779' MSL. Rig 3711' from DER, 821' left of centerline, 96' AGL/861' MSL. **Rwy 31,** plane on taxiway 605' from DER, 620' right of centerline, up to 25' AGL/854' MSL. Trees beginning 1791' from DER, 445' left of centerline, up to 100' AGL/819' MSL. **Rwy 35R,** plane on taxiway 242' from DER, 440' right of centerline, up to 25' AGL/764' MSL.

SLATON, TX
SLATON MUNI (F49)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17005 (FAA)
TAKEOFF MINMUMS: **Rwy 18,** 400-2 or std. w/min. climb of 263' per NM to 3600.
NOTE: **Rwy 18,** equip 85' from DER, 369' left of centerline, 3115' MSL. Trees beginning 278' from DER, 269' right of centerline, up to 39' AGL/3145' MSL. Tower 1.7 NM from DER, 698' right of centerline, 348' AGL/3457' MSL. **Rwy 36,** tree 124' from DER, 518' left of centerline, 9' AGL/3127' MSL. Tree 711' from DER, 592' left of centerline, 3142' MSL. Poles beginning 712' from DER, 261' left of centerline, up to 3146' MSL. Tree 831' from DER, 642' left of centerline, 46' AGL/3156' MSL. Trees beginning 858' from DER, 642' left of centerline, up to 48' AGL/3158' MSL.

SNYDER, TX
WINSTON FIELD (SNK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 03191 (FAA)
DEPARTURE PROCEDURE: **Rwy 26,** climb via heading 263°to 3000 prior to turning northbound.

SPEARMAN, TX
MAJOR SAMUEL B CORNELIUS FIELD (E42)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)
TAKEOFF MINIMUMS: **Rwy 20,** 300-1¾ or std. w/ min. climb of 286' per NM to 3500.
NOTE: **Rwy 20,** Vehicle on road 174' from DER, 496' right of centerline, 15' AGL/3094' MSL. Tower 4330' from DER, 575' left of centerline, 100' AGL/3228' MSL. Tower 1.26 NM from DER, 2533' left of centerline, 250' AGL/3355' MSL.

STAMFORD, TX
ARLEDGE FIELD (F56)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10042 (FAA)
TAKEOFF MINIMUMS: **Rwys 8, 13, 26, 31,** NA-Environmental.
NOTE: **Rwy 17,** trees beginning 772' from DER, 532' left of centerline, up to 100' AGL/1659' MSL. Tree 2215' from DER, 966' right of centerline, up to 100' AGL/1659' MSL. **Rwy 35,** tree 3284' from DER, 901' left of centerline, up to 100' AGL/1669' MSL. Trees beginning 1267' from DER, 712' right of centerline, up to 100' AGL/1664' MSL.

STEPHENVILLE, TX
STEPHENVILLE CLARK RGNL (SEP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 05300 (FAA)
NOTE: **Rwy 32,** trees beginning 1687' from DER, 124' right of centerline, 80' AGL/1389' MSL.

STRATFORD, TX
STRATFORD FIELD (H70)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 98085 (FAA)
TAKEOFF MINIMUMS: **Rwy 22**, 400-2 or std. with a min. climb of 290' per NM to 4100.

SULPHUR SPRINGS, TX
SULPHUR SPRINGS MUNI (SLR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11237 (FAA)
NOTE: **Rwy 1,** tree 1' from DER, 140' left of centerline, 27' AGL/484' MSL. Tree 108' from DER, 265' right of centerline, 13' AGL/470' MSL. **Rwy 19,** trees beginning 82' from DER, 265' right of centerline, up to 100' AGL/609' MSL. Trees beginning 119' from DER, 454' left of centerline, up to 53' AGL/552' MSL. Vehicle on road 492' from DER, 2' left of centerline, 17' AGL/518' MSL. Poles beginning 1155' from DER, 143' left of centerline, up to 40' AGL/536' MSL. Poles beginning 1521' from DER, 158' right of centerline, up to 53' AGL/552' MSL. Tank 1835' from DER, 14' right of centerline, 55' AGL/553' MSL. Chimney 1862' from DER, 172' right of centerline, 48' AGL/544' MSL. Chimneys beginning 1887' from DER, 106' left of centerline, up to 44' AGL/543' MSL.

SWEETWATER, TX
AVENGER FIELD (SWW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11293 (FAA)
NOTE: **Rwy 4,** multiple trees, poles and vehicles on road beginning 19' from DER, 7' left of centerline, up to 79' AGL/2370' MSL. Multiple trees, poles and vehicles on road beginning 39' from DER, 5' right of centerline, up to 60' AGL/2353' MSL. **Rwy 17,** sign 12' from DER, 250' right of centerline, 2' AGL/2375' MSL. Light 49' from DER, 90' right of centerline, 3' AGL/2372' MSL. Multiple vehicles on road beginning 750' from DER, 8' right of centerline, up to 15' AGL/2390' MSL. Multiple poles and vehicles on road beginning 755' from DER, 1' left of centerline, up to 54' AGL/2407' MSL. Telephone line 943' from DER, 278' left of centerline, 48' AGL/2401' MSL. **Rwy 22,** terrain 49' from DER, 219' right of centerline, 2383' MSL. Multiple trees, poles, and buildings beginning 298' from DER, 261' right of centerline, up to 61' AGL/2420' MSL. **Rwy 35,** multiple trees beginning 14' from DER, 361' left of centerline, up to 27' AGL/2367' MSL. Light 49' from DER, 90' left of centerline, 2' AGL/2342' MSL. Light 50' from DER, 90' right of centerline, 2' AGL/2342' MSL. Multiple trees beginning 70' from DER, 187' right of centerline, up to 60' AGL/2355' MSL.

TERRELL, TX
TERRELL MUNI (TRL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 16147 (FAA)
NOTE: **Rwy 17,** tree 1087' from DER, 511' right of centerline, 486' MSL. Tree 1220' from DER, 399' right of centerline, 488' MSL. Tree 1552' from DER, 200' right of centerline, 498' MSL. **Rwy 35,** fence 206' from DER, 349' right of centerline, 8' AGL/481' MSL. Pole 215' from DER, 401' right of centerline, 16' AGL/488' MSL. Pole 250' from DER, 408' right of centerline, 25' AGL/496' MSL. Pole 295' from DER, 524' right of centerline, 504' MSL. Poles beginning 295' from DER, 298' right of centerline, up to 34' AGL/504' MSL. Trees beginning 636' from DER, 319' right of centerline, up to 519' MSL. Trees, poles and lite beginning 770' from DER, 110' left of centerline, up to 510' MSL. Trees and poles beginning 1186' from DER, 336' left of centerline, up to 522' MSL.

TYLER, TX
TYLER POUNDS RGNL (TYR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15288 (FAA)
NOTE: **Rwy 4,** trees beginning 306' from DER, 648' right of centerline, up to 67' AGL/576' MSL. **Rwy 13,** bush 12' from DER, 290' right of centerline, 8' AGL/547' MSL. Trees beginning 173' from DER, 414' right of centerline, up to 62' AGL/581' MSL. Trees beginning 643' from DER, 514' left of centerline, up to 69' AGL/608' MSL. **Rwy 17,** tree 970' from DER, 363' left of centerline, 47' AGL/586' MSL. Tree 1340' from DER, 207' right of centerline, 69' AGL/578' MSL. **Rwy 22,** trees beginning 97' from DER, 375' right of centerline, up to 87' AGL/626' MSL. **Rwy 31,** trees beginning 504' from DER, 534' right of centerline, up to 75' AGL/564' MSL. Trees beginning 908' from DER, 666' left of centerline, up to 37' AGL/556' MSL. **Rwy 35,** trees beginning 1104' from DER, 26' right of centerline, up to 58' AGL/567' MSL.

VERNON, TX
WILBARGER COUNTY (F05)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10210 (FAA)
NOTE: **Rwy 2,** vehicle on road 401' from DER, 587' right of centerline, up to 15' AGL/1269' MSL. Pole 329' from DER, 525' right of centerline, up to 30' AGL/1284' MSL. Ground 56' from DER, 399' left of centerline, 1258' MSL. **Rwy 20,** vehicle on road 451' from DER, 604' right of centerline, up to 15' AGL/1279' MSL. **Rwy 34,** trees beginning 1178' from DER, 530' right of centerline, up to 60' AGL/1309' MSL. Vehicle on road 472' from DER, 445' left of centerline, up to 15' AGL/1274' MSL.

WEATHERFORD, TX
PARKER COUNTY (WEA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11321 (FAA)
DEPARTURE PROCEDURE: **Rwy 35,** climb heading 355° to 1600 before turning left.
NOTE: **Rwy 17,** trees beginning 430' from DER, left and right of centerline, up to 35' AGL/1016' MSL. Houses beginning 952' from DER, 76' left of centerline, up to 30' AGL/1012' MSL. Utility poles beginning 1958' from DER, 185' right of centerline, up to 55' AGL/1037' MSL. **Rwy 35,** trees beginning 25' from DER, 176' left of centerline, up to 35' AGL/1014' MSL. Vehicle on road 105' from DER, across centerline, 17' AGL/1007' MSL. Sign and pole 193' from DER, 295' right of centerline, 30' AGL/1008' MSL.

WHEELER, TX

WHEELER MUNI (T59)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10210 (FAA)

NOTE: **Rwy 17,** hanger 360' from DER, 399' left of centerline, 15' AGL/2504' MSL. Utility pole 593' from DER, 513' right of centerline, 30' AGL/2509' MSL. Utility pole 623' from DER, 507' left of centerline, 30' AGL/2499' MSL. Tree 2656' from DER, 887' right of centerline, 50' AGL/2569' MSL. **Rwy 35,** tree 2267' from DER, 776' right of centerline, 50' AGL/2497' MSL.

WICHITA FALLS, TX

KICKAPOO DOWNTOWN (CWC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10294 (FAA)

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 172° to 1700 before proceeding on course. **Rwy 35,** climb heading 352° to 2100 before proceeding on course.

NOTE: **Rwy 17,** numerous light poles, signs, and trees beginning 309' from DER, 473' right of centerline, up to 60' AGL/1056' MSL. Pole 2290' from DER, 397' left of centerline, 58' AGL/1062' MSL. Numerous vehicles on roads beginning 334' from DER, on centerline, up to 17' AGL/1019' MSL. **Rwy 35,** building 123' from DER, 495' right of centerline, 80' AGL/1060' MSL. Vehicles on road, 354' from DER, on centerline, up to 15' AGL/994' MSL. Pole 177' from DER, 313' left of centerline, 33' AGL/1008' MSL.

WICHITA VALLEY (F14)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10266 (FAA)

TAKEOFF MINIMUMS: **Rwys 4, 16, 22, 34,** NA-Environmental. **Rwy 13,** Std. w/ min. climb of 334' per NM to 2400.

NOTE: **Rwy 13,** vehicle on road 269' from DER, 516' right of centerline, 17' AGL/996' MSL. Trees beginning 385' from DER, 104' right of centerline, up to 100' AGL/1079' MSL. Railroad 445' from DER, 546' right of centerline, 23' AGL/1002' MSL. **Rwy 31,** building 43' from DER, 242' right of centerline, 15' AGL/1019' MSL. Building 165' from DER, 511' left of centerline, 15' AGL/1019' MSL. Vehicle on road 273' from DER, 14' left of centerline, 15' AGL/1015' MSL. Tree 5553' from DER, 651' right of centerline, up to 100' AGL/1149' MSL.

WINNSBORO, TX

WINNSBORO MUNI (F51)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 83216 (FAA)

DEPARTURE PROCEDURE: **Rwys 1,19**, climb runway heading to 1000 prior to turn.