

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

CITY, STATE
PALESTINE, TX

AIRPORT
PALESTINE MUNI

EFFECTIVE DATE
AMDT NO
3

TAKEOFF MINIMUMS:

RWY 18, 27, 36: STANDARD

RWY 9: 400-3 WITH MINIMUM CLIMB OF 262 FT PER NM TO 1200 OR STANDARD WITH MINIMUM CLIMB OF 316 FT PER NM TO 900 OR 1000 - 3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

RWY 9: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS PALESTINE MUNI AT OR ABOVE 1300 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 09, TREES BEGINNING 201 FT FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/381 FT MSL. TREES BEGINNING 207 FT FROM DER, 87 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/378 FT MSL. TREES BEGINNING 2276 FT FROM DER, 216 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/384 FT MSL. TREES BEGINNING 2535 FT FROM DER, 218 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/388 FT MSL. TREES BEGINNING 2538 FT FROM DER, 84 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/388 FT MSL. TREES BEGINNING 2794 FT FROM DER, 221 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/394 FT MSL. TREES BEGINNING 2796 FT FROM DER, 69 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/401 FT MSL. TREES BEGINNING 3052 FT FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/401 FT MSL. TREES BEGINNING 4085 FT FROM DER, 233 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/407 FT MSL. TREES BEGINNING 4344 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/414 FT MSL. TREES BEGINNING 4350 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/407 FT MSL. TREES BEGINNING 4603 FT FROM DER, 238 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/420 FT MSL. TREES BEGINNING 4609 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/414 FT MSL. TREES BEGINNING 4862 FT FROM DER, 241 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/427 FT MSL. TREES BEGINNING 4868 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/420 FT MSL. TREES BEGINNING 5124 FT FROM DER, 243 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/430 FT MSL. TREES BEGINNING 5127 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/430 FT MSL. TREE 5380 FT FROM DER, 549 FT LEFT OF CENTERLINE, 100 FT AGL/434 FT MSL. TREES BEGINNING 5386 FT FROM DER, 56 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/437 FT MSL. TREES BEGINNING 5404 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/440 FT MSL. TREES BEGINNING 5627 FT FROM DER, 855 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/440 FT MSL. TREES BEGINNING 5639 FT FROM DER, 249 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/443 FT MSL. TREE 5663 FT FROM DER, 1872 FT RIGHT OF CENTERLINE, 100 FT AGL/443 FT MSL. TREE 5883 FT FROM DER, 2070 FT LEFT OF CENTERLINE, 100 FT AGL/447 FT MSL. TREES BEGINNING 5886 FT FROM DER, 251 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/450 FT MSL. TREES BEGINNING 5904 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/450 FT MSL. TREE 1 NM FROM DER, 2073 FT LEFT OF CENTERLINE, 100 FT AGL/457 FT MSL. TREES BEGINNING 1 NM FROM DER, 254 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/460 FT MSL. TREES BEGINNING 1 NM FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/457 FT MSL. TREE 1 NM FROM DER, 1867 FT RIGHT OF CENTERLINE, 100 FT AGL/460 FT MSL. TREE 1 NM FROM DER, 2075 FT LEFT OF CENTERLINE, 100 FT AGL/463 FT MSL. TREES BEGINNING 1 NM FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/470 FT MSL. TREES BEGINNING 1 NM FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/463 FT MSL. TREE 1 NM FROM DER, 2078 FT LEFT OF CENTERLINE, 100 FT AGL/473 FT MSL. TREES BEGINNING 1 NM FROM DER, 43 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/473 FT MSL. TREE 1.1 NM FROM DER, 2080 FT LEFT OF CENTERLINE, 100 FT AGL/483 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 261 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/489 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 41 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/479 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 950 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/483 FT MSL. TREE 1.1 NM FROM DER, 2083 FT LEFT OF CENTERLINE, 100 FT AGL/493 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 264 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/499 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 38 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/486 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/493 FT MSL. TREE 1.2 NM FROM DER, 1479 FT LEFT OF CENTERLINE, 100 FT AGL/509 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 267 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/519 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 33 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/499 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 269 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/532 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/525 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 272 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/552 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 12 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/552 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 274 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/568 FT MSL. TREE 1.4 NM FROM DER, 2705 FT LEFT OF CENTERLINE, 100 FT AGL/575 FT MSL. TREES BEGINNING 1.4 NM FROM DER, 279 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/601 FT MSL. TREES BEGINNING 1.4 NM FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/621 FT MSL. TOWER 2.5 NM FROM DER, 345 FT LEFT OF CENTERLINE, 199 FT AGL/809 FT MSL.

NOTE: RWY 18, TREE ABEAM DER, 409 FT LEFT OF CENTERLINE, 415 FT MSL. TREE, TERRAIN BEGINNING 43 FT FROM DER, 241 FT RIGHT OF CENTERLINE, UP TO 421 FT MSL. TREES BEGINNING 80 FT FROM DER, 257 FT LEFT OF CENTERLINE, UP TO 435 FT MSL. TREES BEGINNING 158 FT FROM DER, 166 FT RIGHT OF CENTERLINE, UP TO 447 FT MSL. TREES BEGINNING 328 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/451 FT MSL. TREES, VEHICLE ON ROAD BEGINNING 481 FT FROM DER, 478 FT RIGHT OF CENTERLINE, UP TO 449 FT MSL. TREE 594 FT FROM DER, 352 FT RIGHT OF CENTERLINE, 450 FT MSL. TREES BEGINNING 695 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 463 FT MSL. TREES BEGINNING 1561 FT FROM DER, 109 FT RIGHT OF CENTERLINE, UP TO 465 FT MSL.

NOTE: RWY 27, TREES BEGINNING 189 FT FROM DER, 149 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/420 FT MSL. TREES BEGINNING 195 FT FROM DER, 133 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/411 FT MSL.

NOTE: RWY 36, TREE, TERRAIN BEGINNING 134 FT FROM DER, 404 FT RIGHT OF CENTERLINE, UP TO 439 FT MSL. TREE 178 FT FROM DER, 403 FT LEFT OF CENTERLINE, 418 FT MSL. TREE 200 FT FROM DER, 481 FT LEFT OF CENTERLINE, 421 FT MSL. TREES BEGINNING 432 FT FROM DER,

QUALITY
3
CHECKED

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PALESTINE, TX	PALESTINE MUNI		3

270 FT LEFT OF CENTERLINE, UP TO 434 FT MSL. TREE 561 FT FROM DER, 481 FT LEFT OF CENTERLINE, 452 FT MSL. TREES BEGINNING 612 FT FROM DER, 306 FT LEFT OF CENTERLINE, UP TO 462 FT MSL. TREES BEGINNING 783 FT FROM DER, 401 FT LEFT OF CENTERLINE, UP TO 471 FT MSL. TREE 990 FT FROM DER, 733 FT RIGHT OF CENTERLINE, 456 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 809 FT MSL TOWER (48-002000) 314639.00N/0953903.00W (4D) (CEILING/VISIBILITY), 700 FT MSL TREE 314621.00N/0954024.00W (2C) (CLIMB GRADIENT), 929 FT MSL TOWER (4D) (48-003332) 314805.00N/0953924.00W (CLIMB-TO ALTITUDE)

VISUAL CLIMB AREA OBSTACLE: 929 FT MSL TOWER (48-003332) 314805.00N/0953924.00W (4D) .

REMARKS:

4D ACCURACY CODE USED FOR 929 TOWER AS INDICATED BY FC RESULTS FOR VOR/DME RWY 18.

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

Digitally signed by

LEO PALMER

LEO PALMER

Jun 03, 2019

OFFICE SYMBOL:

AJV-A421

DATE:

04/12/2019

APPROVED BY:

Digitally signed by

MARLON ROBINSON

CASIMIR L TABAKA

Jun 10, 2019

OFFICE SYMBOL:

AJV-A420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

☐☐☒☐☐☒

OTHER:

ZHU, ZFW, AMGR, ST. AV. DIR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS CHANGED FROM RWY 9, STANDARD WITH MINIMUM CLIMB OF 313 FEET PER NM TO 1200, OR 600-3 FOR CLIMB IN VISUAL CONDITIONS TO RWY 9: 400-3 WITH MINIMUM CLIMB OF 262 FT PER NM TO 1200 OR STANDARD WITH MINIMUM CLIMB OF 316 FT PER NM TO 900 OR 1000 - 3 FOR VCOA. - NEW CONTROLLING OBS. APPLIED 8260.46 F SITUATION 4 ACTION C.
2. VCOA MOVED FROM DEPARTURE PROCEDURE, TO VISUAL CLIMB OVER AIRPORT, UPDATED TO CURRENT CRITERIA TERMINOLOGY. - IAW 8260.46G.
3. UPDATED TAKEOFF OBSTACLE NOTES. - MORE DETAILED DESCRIPTION OF LOW CLOSE-IN PENETRATIONS.
4. CONTROLLING OBSTACLES CHANGED FROM 808 MSL TOWER 314639.00/0953803.00, 945 MSL TOWER 314656.00/0953827.00, 739 MSL TREE 314700.00/0954015.00, 729 MSL TREE 3146648.00/0954015.00, 621 MSL TERRAIN 314648.00/0954015.00, 621 MSL TERRAIN 314654.00/954015.00, 601 MSL TERRAIN 314621.00/0954024.00, 621 MSL TERRAIN 314657.00/0954015.00, 621 MSL TERRAIN 314700.00/0954015.00 TO RWY 9: 809 FT MSL TOWER (48-002000) 314639.00N/0953903.00W (4D) (CEILING/VISIBILITY), 719 FT MSL TREE 314621.86N/0954022.30W (2C) (CLIMB GRADIENT), 929 FT MSL TOWER (48-003332) 314805.00N/0953924.00W (4D) (CLIMB-TO ALTITUDE), 929 FT MSL TOWER (48-003332) 314805.00N/0953924.00W (VCOA). UPDATED WITH CURRENT CRITERIA. - NEW CONTROLLING OBS

QUALITY
3
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