

**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.

<b>CITY, STATE</b>	<b>AIRPORT</b>	<b>EFFECTIVE DATE</b>	<b>AMDT NO</b>
FORT WORTH, TX	FORT WORTH MEACHAM INTL	8 NOVEMBER 2018	8

**TAKEOFF MINIMUMS:**

**RWY 16, 17:** STANDARD.

**RWY 34,** 300-2 OR STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER.

**RWY 35,** 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 16:** CLIMB HEADING 165.90 TO 1600 BEFORE PROCEEDING ON COURSE.

**RWY 17:** CLIMB HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 16,** TRAVERSE WAY 587 FT FROM DER, 644 FT LEFT OF CENTERLINE, 689 FT MSL.

**NOTE: RWY 17,** VEGETATION 16 FT FROM DER, 159 FT RIGHT OF CENTERLINE, 674 FT MSL.

POLE 140 FT FROM DER, 454 FT LEFT OF CENTERLINE, 34 FT AGL/677 FT MSL.

TREES AND BUILDING BEGINNING 506 FT FROM DER, 464 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/718 FT MSL.

TOWER, ANTENNAS, POLE, AND BUILDINGS BEGINNING 956 FT FROM DER, 374 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/722 FT MSL.

**NOTE: RWY 34,** TRAVERSE WAYS BEGINNING 5 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 722 FT MSL.

TREE AND POLES BEGINNING 974 FT FROM DER, 681 FT RIGHT OF CENTERLINE, UP TO 746 FT MSL.

POLE 2351 FT FROM DER, 986 FT RIGHT OF CENTERLINE, 39 FT AGL/770 FT MSL.

POLE 2469 FT FROM DER, 1138 FT RIGHT OF CENTERLINE, 35 FT AGL/774 FT MSL.

POLE 2628 FT FROM DER, 1167 FT RIGHT OF CENTERLINE, 47 FT AGL/787 FT MSL.

ELEVATOR AND BUILDING BEGINNING 1.5 NM FROM DER, 2768 FT RIGHT OF CENTERLINE, 254 FT AGL/970 FT MSL.

**NOTE: RWY 35,** TREES AND TRAVERSE WAY BEGINNING 0 FT FROM DER, 248 FT LEFT OF CENTERLINE, UP TO 690 FT MSL.

TERRAIN BEGINNING 19 FT FROM DER, 342 FT RIGHT OF CENTERLINE, UP TO 687 FT MSL.

TREES BEGINNING 302 FT FROM DER, 479 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/691 FT MSL.

TRAVERSE WAY, TERRAIN, POLES, AND FENCE BEGINNING 328 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 697 FT MSL.

TERRAIN 978 FT FROM DER, 695 FT RIGHT OF CENTERLINE, 701 FT MSL.

TRAVERSE WAY, TERRAIN, AND FENCE BEGINNING 990 FT FROM DER, 661 FT RIGHT OF CENTERLINE, UP TO 713 FT MSL.

TRAVERSE WAY, FENCE, AND TERRAIN BEGINNING 1008 FT FROM DER, 118 FT RIGHT OF CENTERLINE, UP TO 714 FT MSL.

TREE 1342 FT FROM DER, 838 FT LEFT OF CENTERLINE, 29 FT AGL/705 FT MSL.

TRAVERSE WAY AND DAM BEGINNING 1343 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 715 FT MSL.

SIGN 1531 FT FROM DER, 282 FT LEFT OF CENTERLINE, 6 FT AGL/707 FT MSL.

TRAVERSE WAY BEGINNING 1584 FT FROM DER, 718 FT RIGHT OF CENTERLINE, 720 FT MSL.

POLE 3020 FT FROM DER, 1209 FT LEFT OF CENTERLINE, 62 FT AGL/755 FT MSL.

TRANSMISSION LINE BEGINNING 6006 FT FROM DER, 1288 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/821 FT MSL.

TRANSMISSION LINE 1 NM FROM DER, 1957 FT LEFT OF CENTERLINE, 98 FT AGL/826 FT MSL.

**CONTROLLING OBSTACLES:**

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

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

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

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

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

**REMARKS:**

CLIMB GRADIENTS ARE ROUNDED UP TO THE NEXT HIGHEST 5 FOOT INCREMENT.



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**FLIGHT INSPECTED BY:**

*Digitally signed by*

BRENT BOOKER

**DONALD H LANIER**

Sep 11, 2018

**OFFICE SYMBOL:**

FICO

**DATE:**

9/7/18

**DEVELOPED BY:**

*Digitally signed by*

DONALD LANIER (JACOB MAXFIELD)

**DONALD H LANIER**

Sep 11, 2018

**OFFICE SYMBOL:**

AJV-5431

**DATE:**

07/13/2018

**APPROVED BY:**

*Digitally signed by*

PATRICK MULQUEEN

**DONALD H LANIER**

Sep 11, 2018

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

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



**OTHER:**

ZFW, REGIONAL APP CON, FTW TOWER, ARPT MGR

**CHANGES - REASONS:**

1. INCORPORATED PNOTAM 5/9624: REMOVED ALL REFERENCE TO RWY 9/27 - RUNWAY CLOSED PERMANENTLY.
2. RAISED RWY 34 CLIMB GRADIENT FROM 220 TO 225 AND DISTANCE PRIOR TO DER DISTANCE FROM 1800 TO 2000 - TARGETS EVALUATED DISTANCE FROM OCS ORIGIN.
3. RAISED RWY 35 CLIMB GRADIENT FROM 205 TO 210 - TARGETS EVALUATED DISTANCE FROM OCS ORIGIN.
4. UPDATED RWY 16 TEXTUAL DP FROM "CLIMB HEADING 163.90 TO 1600 BEFORE PROCEEDING ON COURSE" TO "CLIMB HEADING 165.90 TO 1600 BEFORE PROCEEDING ON COURSE" - TARGETS EVALUATED DISTANCE FROM OCS ORIGIN REQUIRES A CLIMB GRADIENT AND A VCOA; MOVED ROUTE 2 DEGREES WEST TO AVOID THE OBSTACLE.
5. UPDATED TAKEOFF OBSTACLES FOR ALL RUNWAYS - NEW OBSTACLE DATA.
6. DELETED "821 FT MSL TRANSMISSION TOWER 325026.45N/0972224.41W" FROM RWY 35 CONTROLLING OBSTACLES - NO LONGER A CONTROLLING OBSTACLE.
7. UPDATED RWY 16 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT NOTE FROM "RWY 16:1743 FT MSL TOWER 324501.00N/0971608.00W" TO "RWY 16: 1196 FT MSL BUILDING 324522.00N/0971950.00W (OFFSET ICA) AND 1743 FT MSL TOWER 324501.00N/0971608.00W (CTA)" - ICA WAS OFFSET 2 DEGREES WEST TO AVOID THE 1196 BUILDING AND 1743 TOWER DRIVES THE CLIMB-TO ALTITUDE.
8. UPDATED REMARK FROM "RWY 34 AND 35 CLIMB GRADIENTS ROUNDED UP TO NEXT HIGHEST 5 FOOT INCREMENT" TO "CLIMB GRADIENTS ARE ROUNDED UP TO THE NEXT HIGHEST 5 FOOT INCREMENT" - NOTE APPLIES TO ALL NON-STANDARD CLIMB GRADIENTS.

