

**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.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KTCL	TUSCALOOSA	AL	3	8 SEPTEMBER 2022

**TAKEOFF MINIMUMS:**

RWY 22: STANDARD.

RWY 4: 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 256 FT PER NM TO 600.

RWY 12: 400-2 1/2 WITH MINIMUM CLIMB OF 210 FT PER NM TO 800, OR STANDARD WITH MINIMUM CLIMB OF 217 FT PER NM TO 600, OR 1000-3 FOR VCOA.

RWY 30: 400-2 1/2 OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 235 FT PER NM TO 500.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

RWY 12: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS TUSCALOOSA NTL AIRPORT AT OR ABOVE 900 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 4:** TREES BEGINNING 1061 FT FROM DER, 400 FT RIGHT OF CENTERLINE, UP TO 197 FT MSL. TREES BEGINNING 1206 FT FROM DER, 172 FT RIGHT OF CENTERLINE, UP TO 201 FT MSL. TREES BEGINNING 1298 FT FROM DER, 52 FT RIGHT OF CENTERLINE, UP TO 204 FT MSL. TREE 1527 FT FROM DER, 97 FT RIGHT AND 474 FT LEFT OF CENTERLINE UP TO 226 FT MSL. TREES BEGINNING 1548 FT FROM DER, 140 FT LEFT, 116 FT RIGHT OF CENTERLINE, UP TO 235 FT MSL. TREES BEGINNING 1932 FT FROM DER, 5 FT LEFT, 146 FT RIGHT OF CENTERLINE, UP TO 239 FT MSL. TREES BEGINNING 2296 FT FROM DER, 25 FT LEFT, 6 FT RIGHT OF CENTERLINE, UP TO 247 FT MSL. TREE 3193 FT FROM DER, 275 FT LEFT OF CENTERLINE, 252 FT MSL. TREES BEGINNING 3265 FT FROM DER, 33 FT LEFT, 54 FT RIGHT OF CENTERLINE, UP TO 263 FT MSL. TREE 4525 FT FROM DER, 428 FT LEFT OF CENTERLINE, 279 FT MSL. TREE 4586 FT FROM DER, 585 FT LEFT OF CENTERLINE, 280 FT MSL. TREES BEGINNING 4640 FT FROM DER, 220 FT LEFT OF CENTERLINE, UP TO 287 FT MSL. TREES BEGINNING 4666 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 289 FT MSL. TREES BEGINNING 4752 FT FROM DER, 133 FT LEFT OF CENTERLINE, UP TO 296 FT MSL. TREES BEGINNING 4810 FT FROM DER, 5 FT RIGHT, 129 FT LEFT OF CENTERLINE, UP TO 300 FT MSL. TREES BEGINNING 5149 FT FROM DER, 297 FT LEFT OF CENTERLINE, UP TO 302 FT MSL. TREES BEGINNING 5282 FT FROM DER, 530 FT LEFT OF CENTERLINE, UP TO 312 FT MSL. TREES BEGINNING 5641 FT FROM DER, 485 FT LEFT OF CENTERLINE, UP TO 316 FT MSL. TREE 5860 FT FROM DER, 618 FT LEFT OF CENTERLINE, 318 FT MSL. TREE 5901 FT FROM DER, 349 FT LEFT OF CENTERLINE, 319 FT MSL. TREES BEGINNING 5999 FT FROM DER, 291 FT LEFT OF CENTERLINE, UP TO 330 FT MSL. TREE 1.1 NM FROM DER, 2189 FT LEFT OF CENTERLINE, 347 FT MSL. TREE 1.1 NM FROM DER, 2235 FT LEFT OF CENTERLINE, 369 FT MSL. TREE 1.2 NM FROM DER, 2265 FT LEFT OF CENTERLINE, 379 FT MSL. TREE 1.3 NM FROM DER, 2236 FT LEFT OF CENTERLINE, 409 FT MSL. TREE 1.3 NM FROM DER, 2296 FT LEFT OF CENTERLINE, 419 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 2456 FT LEFT OF CENTERLINE, UP TO 429 FT MSL. TREE 1.4 NM FROM DER, 2391 FT LEFT OF CENTERLINE, 439 FT MSL. TREE 1.5 NM FROM DER, 526 FT LEFT OF CENTERLINE, 409 FT MSL.

**NOTE: RWY 12:** TREE, BEGINNING 304 FT FROM DER, 9 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/261 FT MSL. TREE 574 FT FROM DER, 565 FT LEFT OF CENTERLINE, 197 FT MSL. TREE 839 FT FROM DER, 62 FT LEFT OF CENTERLINE, 203 FT MSL. TREE, BEGINNING 1114 FT FROM DER, 138 FT LEFT OF CENTERLINE, UP TO 216 FT MSL. TREES BEGINNING 1309 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/235 FT MSL. TREE 2906 FT FROM DER, 1076 FT LEFT OF CENTERLINE, 100 FT AGL/242 FT MSL. TREE 3134 FT FROM DER, 1190 FT LEFT OF CENTERLINE, 100 FT AGL/245 FT MSL. TOWER 2 NM FROM DER, 1177 FT LEFT OF CENTERLINE, 239 FT AGL/494 FT MSL.

**NOTE: RWY 22:** TREE 422 FT FROM DER, 588 FT LEFT OF CENTERLINE, 177 FT MSL. TREE 1611 FT FROM DER, 601 FT LEFT OF CENTERLINE, 203 FT MSL.

**NOTE: RWY 30:** TREES, VEHICLE ON ROADWAY BEGINNING 9 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 264 FT MSL. POLE 685 FT FROM DER, 385 FT LEFT OF CENTERLINE, 53 FT AGL/213 FT MSL. TREES BEGINNING 777 FT FROM DER, 169 FT LEFT OF CENTERLINE, UP TO 219 FT MSL. TREES BEGINNING 957 FT FROM DER, 187 FT LEFT OF CENTERLINE, UP TO 224 FT MSL. TREES BEGINNING 1393 FT FROM DER, 71 FT LEFT OF CENTERLINE, UP TO 259 FT MSL. TREES 2320 FT FROM DER, 927 FT LEFT OF CENTERLINE, 269 FT MSL. TOWER 3961 FT FROM DER, 1118 FT LEFT OF CENTERLINE, 139 FT AGL/301 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 4: 439 FT MSL TREE 331444.82N/0873533.53W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 409 FT MSL TREE 331440.93N/0873508.46W (VISIBILITY).

RWY 12: 494 FT MSL TOWER 331244.00N/0873401.00W (217 FT PER NM CLIMB GRADIENT/600 CLIMB-TO ALTITUDE, CEILING, VISIBILITY); 598 FT MSL BUILDING 331231.64N/0873304.19W (210 FT PER NM CLIMB GRADIENT/800 CLIMB-TO ALTITUDE).

RWY 30: 389 FT MSL TREE 331441.23N/0873805.08W (CLIMB GRADIENT, CLIMB-TO ALTITUDE), 479 FT MSL TREE 331457.88N/0873856.36W (CEILING, VISIBILITY).

VISUAL CLIMB AREA OBSTACLE: 598 FT MSL BUILDING 331231.64N/0873304.19W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 715 FT MSL TOWER 331202.00N/0873201.00W.

**REMARKS:**

VEGETATION HEIGHT OF 100 FT USED.



**AIRPORT ID**

KTCL

**CITY**

TUSCALOOSA

**STATE**

AL

**AMDT NO**

3

**EFFECTIVE DATE**

8 SEPTEMBER 2022

**FLIGHT INSPECTED BY**

GEORGE E SEARLES

*Digitally signed by***DONALD H LANIER**

Jun 14, 2022

**OFFICE**

FPO

**DATE**

06/09/2022

**DEVELOPED BY**

DONALD LANIER (JUDITH TUTTLE)

*Digitally signed by***DONALD H LANIER**

Jun 14, 2022

**OFFICE**

AJV-431

**DATE**

01/25/2022

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

Jun 14, 2022

**OFFICE**

AJV-430

**DATE****TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** BHM APP CONTROL, ZTL.**CHANGES - REASONS:**

1. TAKEOFF MINIMUMS: UPDATED TAKEOFF MINIMUM FROM RWY 22 STANDARD TO RWY 22: STANDARD - NEW OBSTACLE EVALUATION COMPLETED AND IAW 8260.46H APPENDIX D SECTION 1, 6.
2. TAKEOFF MINIMUMS: CHANGED RWY 4 FROM 300-2 OR STANDARD WITH A MINIMUM CLIMB OF 203 FT PER NM TO 500, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DEPARTURE END OF RUNWAY TO 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 256 FT PER NM TO 600 - NEW OBSTACLE EVALUATION COMPLETED.
3. TAKEOFF MINIMUMS: CHANGED RWY 12 FROM 400-2 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 217 FT PER NM TO 600, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DEPARTURE END OF RUNWAY TO 400-2 1/2 WITH MINIMUM CLIMB OF 210 FT PER NM TO 800, OR STANDARD WITH MINIMUM CLIMB OF 217 FT PER NM TO 600, OR 1000-3 FOR VCOA - NEW OBSTACLE EVALUATION COMPLETED.
4. TAKEOFF MINIMUMS: CHANGED RWY 30 FROM 300-2 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 207 FT PER NM TO 600, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DEPARTURE END OF RUNWAY. TO 400-2 1/2 OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 235 FT PER NM TO 500 - NEW OBSTACLE EVALUATION COMPLETED.
5. VISUAL CLIMB OVER AIRPORT: ADDED VCOA TO RWY 12 - 40:1 SURFACE PENETRATIONS OUTSIDE OF 3 SM REQUIRE NON-STANDARD CG/CGTA TO MITIGATE; VCOA REQUIRED TO PROVIDE MEANS FOR PILOTS TO DEPART RUNWAY USING STANDARD CLIMB GRADIENT PER 8260.46H, TABLE 2-1-1.
6. TAKEOFF OBSTACLE NOTES: UPDATED OBSTACLE NOTES - NEW OBSTACLE EVALUATION COMPLETED.
7. CONTROLLING OBSTACLES: UPDATED FROM RWY 04: 347 MSL TREE 331431.71N/0873543.96W TO RWY 4: 439 FT MSL TREE 331444.82N/0873533.53W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 409 FT MSL TREE 331440.93N/0873508.46W (VISIBILITY) - NEW OBSTACLE EVALUATION COMPLETED.
8. CONTROLLING OBSTACLES: UPDATED FROM RWY 11: 494 MSL TOWER 331244.00N/0873401.00W TO RWY 12: 494 FT MSL TOWER 331244.00N/0873401.00W (217 FT PER NM CLIMB GRADIENT/600 CLIMB-TO ALTITUDE, CEILING, VISIBILITY); 598 FT MSL BUILDING 331231.64N/0873304.19W (210 FT PER NM CLIMB GRADIENT/800 CLIMB-TO ALTITUDE) - NEW OBSTACLE EVALUATION COMPLETED.
9. CONTROLLING OBSTACLES: UPDATED FROM RWY 29: 258 MSL TREE 331351.48N/0873701.66W TO RWY 30: 389 FT MSL TREE 331441.23N/0873805.08W (CLIMB GRADIENT, CLIMB-TO ALTITUDE), 479 FT MSL TREE 331457.88N/0873856.36W (CEILING, VISIBILITY) - NEW OBSTACLE EVALUATION COMPLETED.

