

**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>
KSTL	ST LOUIS	MO	4	5 SEPTEMBER 2024

TAKEOFF MINIMUMS:

RWY 6, 12L, 12R, 29: STANDARD.

RWY 11: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 365 FT/NM TO 900.

RWY 24: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 205 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1100 FEET PRIOR TO DER.

RWY 30L: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FEET PRIOR TO DER.

RWY 30R: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FEET PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6: SIGN 1 FT FROM DER, 424 FT LEFT OF CENTERLINE, 5 FT AGL/534 FT MSL. VEHICLE ON ROAD 577 FT FROM DER, 621 FT LEFT OF CENTERLINE, 557 FT MSL. TERRAIN 707 FT FROM DER, 608 FT RIGHT OF CENTERLINE, 552 FT MSL. TERRAIN 885 FT FROM DER, 667 FT RIGHT OF CENTERLINE, 565 FT MSL. UTILITY BUILDING, TERRAIN, POLE BEGINNING 1037 FT FROM DER, 632 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/573 FT MSL. BUILDING 2478 FT FROM DER, 1008 FT RIGHT OF CENTERLINE, 60 FT AGL/598 FT MSL.

NOTE: RWY 11: TREES BEGINNING 2161 FT FROM DER, 690 FT RIGHT OF CENTERLINE, UP TO 630 FT MSL. BUILDING 2347 FT FROM DER, 546 FT LEFT OF CENTERLINE, 67 FT AGL/616 FT MSL. TREES BEGINNING 2670 FT FROM DER, 697 FT RIGHT OF CENTERLINE, UP TO 640 FT MSL. TREE 2755 FT FROM DER, 780 FT RIGHT OF CENTERLINE, 641 FT MSL. POLES, TREES BEGINNING 3012 FT FROM DER, 64 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/650 FT MSL. TREE 3065 FT FROM DER, 703 FT RIGHT OF CENTERLINE, 658 FT MSL. TREES BEGINNING 3069 FT FROM DER, 762 FT RIGHT OF CENTERLINE, UP TO 659 FT MSL. TREES BEGINNING 3227 FT FROM DER, 769 FT RIGHT OF CENTERLINE, UP TO 660 FT MSL. TREES BEGINNING 3327 FT FROM DER, 929 FT RIGHT OF CENTERLINE, UP TO 663 FT MSL. TREES BEGINNING 3413 FT FROM DER, 837 FT RIGHT OF CENTERLINE, UP TO 676 FT MSL. TREES, SIGN, BUILDINGS BEGINNING 3674 FT FROM DER, 301 FT RIGHT OF CENTERLINE, UP TO 692 FT MSL. BUILDING 5508 FT FROM DER, 575 FT RIGHT OF CENTERLINE, 114 FT AGL/694 FT MSL.

NOTE: RWY 12L: TREE 1330 FT FROM DER, 666 FT RIGHT OF CENTERLINE, 654 FT MSL. TREE 1528 FT FROM DER, 709 FT RIGHT OF CENTERLINE, 669 FT MSL. TREES BEGINNING 1643 FT FROM DER, 616 FT RIGHT OF CENTERLINE, UP TO 685 FT MSL.

NOTE: RWY 12R: TERRAIN 168 FT FROM DER, 488 FT LEFT OF CENTERLINE, 591 FT MSL. TERRAIN 1111 FT FROM DER, 774 FT RIGHT OF CENTERLINE, 614 FT MSL. FENCE 1281 FT FROM DER, 723 FT RIGHT OF CENTERLINE, 8 FT AGL/628 FT MSL. VEHICLE ON ROAD, LIGHT POLES BEGINNING 1387 FT FROM DER, 702 FT RIGHT OF CENTERLINE, UP TO 637 FT MSL. VEHICLE ON ROAD 1436 FT FROM DER, 835 FT RIGHT OF CENTERLINE, 642 FT MSL. TREE 1930 FT FROM DER, 372 FT LEFT OF CENTERLINE, 636 FT MSL. TREE 2427 FT FROM DER, 1047 FT RIGHT OF CENTERLINE, 661 FT MSL. TREES BEGINNING 2542 FT FROM DER, 1017 FT RIGHT OF CENTERLINE, UP TO 672 FT MSL. TREE, SIGN BEGINNING 2794 FT FROM DER, 869 FT RIGHT OF CENTERLINE, UP TO 684 FT MSL. TREES BEGINNING 2934 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 689 FT MSL. TREE 2936 FT FROM DER, 139 FT LEFT OF CENTERLINE, 664 FT MSL. TREES BEGINNING 2965 FT FROM DER, 375 FT LEFT OF CENTERLINE, UP TO 666 FT MSL. TREE 3013 FT FROM DER, 387 FT LEFT OF CENTERLINE, 667 FT MSL. TREE 3028 FT FROM DER, 590 FT LEFT OF CENTERLINE, 669 FT MSL. TREE 3041 FT FROM DER, 7 FT LEFT OF CENTERLINE, 670 FT MSL. TREES BEGINNING 3143 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 685 FT MSL.

NOTE: RWY 24: TREE 1151 FT FROM DER, 707 FT LEFT OF CENTERLINE, 591 FT MSL. TREE 1806 FT FROM DER, 591 FT RIGHT OF CENTERLINE, 616 FT MSL. TREES BEGINNING 1886 FT FROM DER, 563 FT RIGHT OF CENTERLINE, UP TO 622 FT MSL. TREE 2100 FT FROM DER, 493 FT RIGHT OF CENTERLINE, 630 FT MSL. TREES BEGINNING 2190 FT FROM DER, 620 FT RIGHT OF CENTERLINE, UP TO 643 FT MSL. TREE 2595 FT FROM DER, 273 FT LEFT OF CENTERLINE, 617 FT MSL. TREE 2683 FT FROM DER, 220 FT LEFT OF CENTERLINE, 630 FT MSL. TREE 2722 FT FROM DER, 189 FT LEFT OF CENTERLINE, 632 FT MSL. TREE 2738 FT FROM DER, 306 FT LEFT OF CENTERLINE, 642 FT MSL. TREES BEGINNING 2756 FT FROM DER, 108 FT LEFT OF CENTERLINE, UP TO 645 FT MSL. TREES BEGINNING 2861 FT FROM DER, 54 FT LEFT OF CENTERLINE, UP TO 648 FT MSL. TREES BEGINNING 3015 FT FROM DER, 138 FT LEFT OF CENTERLINE, UP TO 658 FT MSL. TREES BEGINNING 3034 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 650 FT MSL. TREES BEGINNING 3068 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 659 FT MSL. TREES BEGINNING 3248 FT FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 661 FT MSL. TREES BEGINNING 3354 FT FROM DER, 118 FT LEFT OF CENTERLINE, UP TO 663 FT MSL. TREES BEGINNING 3472 FT FROM DER, 43 FT LEFT OF CENTERLINE, UP TO 671 FT MSL. TREES BEGINNING 3568 FT FROM DER, 107 FT RIGHT OF CENTERLINE, UP TO 653 FT MSL. TREE 3582 FT FROM DER, 4 FT RIGHT OF CENTERLINE, 659 FT MSL. TREES BEGINNING 3593 FT FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 660 FT MSL. TREES BEGINNING 3610 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 673 FT MSL. TREES BEGINNING 3660 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 674 FT MSL. TREES BEGINNING 3722 FT FROM DER, 120 FT RIGHT OF CENTERLINE, UP TO 669 FT MSL. TREES BEGINNING 3912 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 679 FT MSL. TREES BEGINNING 4018 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 684 FT MSL. TREE 4671 FT FROM DER, 16 FT LEFT OF CENTERLINE, 676 FT MSL. BUILDING 5165 FT FROM DER, 504 FT RIGHT OF CENTERLINE, 90 FT AGL/696 FT MSL.

NOTE: RWY 30L: TERRAIN 40 FT FROM DER, 276 FT RIGHT OF CENTERLINE, 545 FT MSL. TERRAIN 193 FT FROM DER, 270 FT RIGHT OF CENTERLINE, 547 FT MSL. VEHICLE ON ROAD, TERRAIN, NAVAID, BUILDING, FENCE BEGINNING 282 FT FROM DER, ON AND RIGHT OF CENTERLINE, UP TO 571 FT MSL. VEHICLES ON ROAD, LIGHT POLES BEGINNING 836 FT FROM DER, 217 FT RIGHT OF CENTERLINE, UP TO 580 FT MSL. VEHICLE ON ROAD 906 FT FROM DER, 600 FT LEFT OF CENTERLINE, 569 FT MSL. TERRAIN, ELECTRICAL SYSTEM BEGINNING 1374 FT

FROM DER, 672 FT RIGHT OF CENTERLINE, UP TO 592 FT MSL. POLE 1685 FT FROM DER, 640 FT LEFT OF CENTERLINE, 39 FT AGL/585 FT MSL. TREES BEGINNING 2184 FT FROM DER, 820 FT RIGHT OF CENTERLINE, UP TO 653 FT MSL. TREES BEGINNING 2465 FT FROM DER, 863 FT RIGHT OF CENTERLINE, UP TO 657 FT MSL. TREES, POLE, BUILDINGS BEGINNING 2669 FT FROM DER, 604 FT RIGHT OF CENTERLINE, UP TO 661 FT MSL. TREE 3506 FT FROM DER, 818 FT LEFT OF CENTERLINE, 663 FT MSL. TREES, BUILDING BEGINNING 3665 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 665 FT MSL. TREES, POLE BEGINNING 4157 FT FROM DER, 280 FT RIGHT OF CENTERLINE, UP TO 682 FT MSL. TREE 5154 FT FROM DER, 523 FT LEFT OF CENTERLINE, 678 FT MSL. TREE 5160 FT FROM DER, 292 FT LEFT OF CENTERLINE, 686 FT MSL. TREES BEGINNING 5287 FT FROM DER, 199 FT LEFT OF CENTERLINE, UP TO 687 FT MSL. TREES BEGINNING 5317 FT FROM DER, 538 FT LEFT OF CENTERLINE, UP TO 690 FT MSL.

NOTE: RWY 30R: SIGN 25 FT FROM DER, 255 FT RIGHT OF CENTERLINE, 3 FT AGL/529 FT MSL. ELECTRICAL SYSTEM 1366 FT FROM DER, 710 FT RIGHT OF CENTERLINE, 34 FT AGL/567 FT MSL. ANTENNA 1884 FT FROM DER, 891 FT LEFT OF CENTERLINE, 53 FT AGL/585 FT MSL. TOWER 1886 FT FROM DER, 899 FT LEFT OF CENTERLINE, 54 FT AGL/587 FT MSL. BUILDINGS BEGINNING 1954 FT FROM DER, 560 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/611 FT MSL. TREE 4042 FT FROM DER, 929 FT RIGHT OF CENTERLINE, 631 FT MSL. TREES BEGINNING 4179 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 657 FT MSL. TREES BEGINNING 4685 FT FROM DER, 289 FT RIGHT OF CENTERLINE, UP TO 658 FT MSL. TREES BEGINNING 4724 FT FROM DER, 89 FT RIGHT OF CENTERLINE, UP TO 668 FT MSL. TREES BEGINNING 5086 FT FROM DER, 220 FT RIGHT OF CENTERLINE, UP TO 670 FT MSL. TREE 5485 FT FROM DER, 132 FT RIGHT OF CENTERLINE, 671 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 772 FT MSL CONTROL_TOWER 384435.61N/0902158.08W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (CEILING) (VISIBILITY).
RWY 24: 723 FT MSL TOWER 384435.23N/0902421.41W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (CEILING) (REDUCED TAKEOFF), 723 FT MSL TOWER 384435.28N/0902421.48W (VISIBILITY).
RWY 30L: 703 FT MSL TREE 384539.46N/0902343.43W (CLIMB GRADIENT) (REDUCED TAKEOFF), 709 FT MSL TREE 384536.53N/0902348.80W (CLIMB-TO ALTITUDE) (CEILING), 706 FT MSL TREE 384538.10N/0902402.33W (VISIBILITY).
RWY 30R: 714 FT MSL TREE 384550.55N/0902301.69W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (CEILING) (REDUCED TAKEOFF) (VISIBILITY).

REMARKS:

- 1. RWY 11 CLIMB GRADIENT ROUNDED TO 365 FT PER NM FOR PUBLICATION (COMPUTED VALUE 362 FT PER NM).
- 2. RWY 24 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 201 FT PER NM).
- 3. RWY 30L CLIMB GRADIENT ROUNDED TO 250 FT PER NM FOR PUBLICATION (COMPUTED VALUE 246 FT PER NM).
- 4. RWY 30R CLIMB GRADIENT ROUNDED TO 230 FT PER NM FOR PUBLICATION (COMPUTED VALUE 226 FT PER NM).

<u>FLIGHT INSPECTED BY</u> COLTON CROWDER	Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	
	CASIMIR L TABAKA	FPO	05/31/2024	
	Jun 04, 2024			
<u>DEVELOPED BY</u> JON NEIDIGH	Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	
	CASIMIR L TABAKA	AJV-A432	03/15/2024	
<u>APPROVED BY</u> CASIMIR L. TABAKA	Digitally signed by	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
	CASIMIR L TABAKA	AJV-A432	09/05/2024	MANAGER
	Jun 04, 2024			

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒

OTHER: ZKC, STL APP CON, STL ATCT, AMGR

CHANGES - REASONS:

- 1. CHANGED RWY 11 TAKEOFF MINIMUMS FROM "200-1 OR STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 800" TO "300-1 OR STANDARD WITH MINIMUM CLIMB OF 365 FT/NM TO 900" - 8260.3E 13-1-5 PROHIBITS CEILINGS OF 200 FT OR LESS/ROUNDED COMPUTED VALUE TO NEAREST 5 FT
- 1. CHANGED RWY 24 TAKEOFF MINIMUMS FROM "STANDARD" TO "300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 205 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1100 FEET PRIOR TO DER" - NEW SURVEYED CONTROLLING OBSTACLE IDENTIFIED
- 2. CHANGED RWY 30L TAKEOFF MINIMUMS FROM "200-1 OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 800" TO "300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FEET PRIOR TO DER" - CONTROLLING OBSTACLE CHAGED FROM 697 FT MSL TREE 384537.92N/0902342.99W TO 703 FT MSL TREE 384539.46N/0902343.43W
- 3. CHANGED RWY 30R TAKEOFF MINIMUMS FROM "200-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 800" TO "300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 800 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FEET PRIOR TO DER" - CONTROLLING OBSTACLE LOCATED WITHIN THE ICA WHICH PENETRATES THE 40:1 OCS BY 35 FT OR LESS (8260.46J TABLE 2-1-1, SITUATION 3.A.)
- 4. UPDATED TAKEOFF OBSTACLE NOTES FOR RWY 6, 11, 12L, 12R, 24, 30L, AND 30R - NEW OBSTACLE SURVEY DATA/GROUPED AND FORMATTED WITH DEPARTURE OBSTACLE GROUPER
- 5. CHANGED RWY 11 CONTROLLING OBSTACLE FROM 774 FT MSL CONTROL TOWER 384436.00N/0902158.00W TO 772 FT MSL CONTROL TOWER 384435.61N/0902158.08W - NEW OBSTACLE SURVEY DATA
- 6. ADDED RWY 24 CONTROLLING OBSTACLES 723 FT MSL TOWER 384435.23N/0902421.41W (CG/CGTA/CEILING/RTRL), 723 FT MSL TOWER 384435.28N/0902421.48W (VISIBILITY) - NEW OBSTACLE SURVEY DATA
- 7. CHANGED RWY 30L CONTROLLING OBSTACLE FROM 697 FT MSL TREE 384537.92N/0902342.99W TO 703 FT MSL TREE 384539.46N/0902343.43W (CG/RTRL), 709 FT MSL TREE 384536.53N/0902348.80W (CGTA/CEILING), 706 FT MSL TREE 384538.10N/0902402.33W (VISIBILITY) - NEW OBSTACLE SURVEY DATA



AIRPORT ID
KSTL

CITY
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STATE
MO

AMDT NO
4

ACTUAL EFFECTIVE DATE
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