

**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.

AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
KRMN	STAFFORD	VA	2	16 MAY 2024

**TAKEOFF MINIMUMS:**

RWY 15: STANDARD.  
RWY 33: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 404 FT/NM TO 500.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 15: LIGHT POLES 9 FT FROM DER, 10 FT RIGHT OF CENTERLINE, 2 FT AGL/174 FT MSL. TREE 136 FT FROM DER, 495 FT LEFT OF CENTERLINE, 184 FT MSL. TREE 225 FT FROM DER, 467 FT LEFT OF CENTERLINE, 192 FT MSL. TREE 450 FT FROM DER, 496 FT LEFT OF CENTERLINE, 206 FT MSL. TREE 596 FT FROM DER, 535 FT RIGHT OF CENTERLINE, 202 FT MSL. TREES BEGINNING 718 FT FROM DER, 498 FT RIGHT OF CENTERLINE, UP TO 203 FT MSL. TREE 1999 FT FROM DER, 907 FT LEFT OF CENTERLINE, 238 FT MSL.

NOTE: RWY 33: NAVAID 3 FT FROM DER, ON AND LEFT OF CENTERLINE, 6 FT AGL/224 FT MSL. TREE 11 FT FROM DER, 192 FT RIGHT OF CENTERLINE, 230 FT MSL. TREES BEGINNING 35 FT FROM DER, 234 FT RIGHT OF CENTERLINE, UP TO 248 FT MSL. TREES BEGINNING 110 FT FROM DER, 295 FT RIGHT OF CENTERLINE, UP TO 253 FT MSL. NAVAID 119 FT FROM DER, 237 FT LEFT OF CENTERLINE, 16 FT AGL/229 FT MSL. TREE, TERRAIN BEGINNING 261 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 255 FT MSL. TREE 359 FT FROM DER, 496 FT LEFT OF CENTERLINE, 259 FT MSL. TREE 364 FT FROM DER, 472 FT LEFT OF CENTERLINE, 264 FT MSL. TREE, TERRAIN BEGINNING 443 FT FROM DER, 61 FT LEFT OF CENTERLINE, UP TO 268 FT MSL. TREES, TERRAIN BEGINNING 582 FT FROM DER, 59 FT LEFT OF CENTERLINE, UP TO 269 FT MSL. TERRAIN, TREE BEGINNING 759 FT FROM DER, 142 FT RIGHT OF CENTERLINE, UP TO 257 FT MSL. TREES, TERRAIN BEGINNING 781 FT FROM DER, 105 FT LEFT OF CENTERLINE, UP TO 283 FT MSL. TERRAIN BEGINNING 841 FT FROM DER, 243 FT RIGHT OF CENTERLINE, UP TO 259 FT MSL. TREE, TERRAIN BEGINNING 870 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 264 FT MSL. TERRAIN BEGINNING 962 FT FROM DER, 133 FT RIGHT OF CENTERLINE, UP TO 265 FT MSL. TERRAIN BEGINNING 1042 FT FROM DER, 278 FT RIGHT OF CENTERLINE, UP TO 268 FT MSL. TERRAIN, TREE BEGINNING 1083 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/278 FT MSL. TREES, TERRAIN, POLE BEGINNING 1163 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 293 FT MSL. TREES BEGINNING 1431 FT FROM DER, 196 FT LEFT OF CENTERLINE, UP TO 298 FT MSL. TREE 1592 FT FROM DER, 458 FT LEFT OF CENTERLINE, 306 FT MSL. TREES BEGINNING 1602 FT FROM DER, 134 FT LEFT OF CENTERLINE, UP TO 309 FT MSL. TREES BEGINNING 2349 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 310 FT MSL. TREES BEGINNING 2408 FT FROM DER, 88 FT LEFT OF CENTERLINE, UP TO 325 FT MSL. TREES BEGINNING 2431 FT FROM DER, 67 FT RIGHT OF CENTERLINE, UP TO 315 FT MSL. TREES BEGINNING 2533 FT FROM DER, 1045 FT LEFT OF CENTERLINE, UP TO 327 FT MSL. TREES BEGINNING 2597 FT FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 336 FT MSL. TREES BEGINNING 2740 FT FROM DER, 223 FT RIGHT OF CENTERLINE, UP TO 353 FT MSL. TREES BEGINNING 2771 FT FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 342 FT MSL. TREES BEGINNING 2860 FT FROM DER, 101 FT RIGHT OF CENTERLINE, UP TO 360 FT MSL. TREES BEGINNING 2962 FT FROM DER, 866 FT LEFT OF CENTERLINE, UP TO 347 FT MSL. TREES BEGINNING 2975 FT FROM DER, 49 FT LEFT OF CENTERLINE, UP TO 354 FT MSL. TREES BEGINNING 3089 FT FROM DER, 538 FT RIGHT OF CENTERLINE, UP TO 366 FT MSL. TREES BEGINNING 3162 FT FROM DER, 1151 FT RIGHT OF CENTERLINE, UP TO 374 FT MSL. TREES BEGINNING 3211 FT FROM DER, 43 FT RIGHT OF CENTERLINE, UP TO 381 FT MSL. TREES BEGINNING 3887 FT FROM DER, 550 FT LEFT OF CENTERLINE, UP TO 360 FT MSL. TREES BEGINNING 4112 FT FROM DER, 169 FT LEFT OF CENTERLINE, UP TO 363 FT MSL. TREES BEGINNING 4235 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 373 FT MSL. TREE 5392 FT FROM DER, 946 FT LEFT OF CENTERLINE, 377 FT MSL. TREES BEGINNING 5426 FT FROM DER, 230 FT LEFT OF CENTERLINE, UP TO 387 FT MSL. TREE 5880 FT FROM DER, 1881 FT RIGHT OF CENTERLINE, 382 FT MSL. TREE 5935 FT FROM DER, 1528 FT RIGHT OF CENTERLINE, 384 FT MSL. TREES BEGINNING 5968 FT FROM DER, 1432 FT RIGHT OF CENTERLINE, UP TO 389 FT MSL. TREES BEGINNING 1 NM FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 406 FT MSL. TREES BEGINNING 1 NM FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 402 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 376 FT LEFT OF CENTERLINE, UP TO 415 FT MSL. TOWER 1.3 NM FROM DER, 356 FT LEFT OF CENTERLINE, 151 FT AGL/467 FT MSL. ANTENNA 1.3 NM FROM DER, 350 FT LEFT OF CENTERLINE, 152 FT AGL/468 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 33: 381 FT MSL TREE 382451.43N/0772802.92W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE), 468 FT MSL ANTENNA 382519.22N/0772900.10W (CEILING) (VISIBILITY).

**REMARKS:**

VEGETATION HEIGHT: 100 FT PER FPT.

**FLIGHT INSPECTED BY**  
MICHAEL G CAMPBELL

*Digitally signed by*  
**CASIMIR L TABAKA**  
Feb 22, 2024

**OFFICE**  
FPO  
**DATE**  
02/21/2024

**DEVELOPED BY**  
BARBARA GORMAN (CASIMIR L. TABAKA)

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jan 22, 2024

**OFFICE**  
AJV-A432  
**DATE**  
10/31/2023

**APPROVED BY**  
CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jan 22, 2024

**OFFICE**  
AJV-A430

**DATE**

**TITLE**  
MANAGER



AIRPORT ID  
KRMN

CITY  
STAFFORD

STATE  
VA

AMDT NO  
2

ACTUAL EFFECTIVE DATE  
16 MAY 2024

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA

**OTHER:** ZDC, NYG APP CON, PCT APP CON, A/P MGR, VA DOT

**CHANGES - REASONS:**

1. CHANGED TAKEOFF MINIMUMS RWY 33 FROM "300-2 OR STANDARD WITH MINIMUM CLIMB OF 304 FT PER NM TO 700" TO "300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 404 FT/NM TO 500." – NEW OBSTACLE EVALUATION AND IAW 8260.46J.
2. REMOVED TEXTUAL DEPARTURE INSTRUCTIONS RWY 15: CLIMBING LEFT TURN TO 2000 ON BRV R-310 DIRECT BRV VORTAC BEFORE PROCEEDING ON COURSE." – NOT REQUIRED; NO PENETRATIONS EXIST.
3. REMOVED TEXTUAL DEPARTURE INSTRUCTIONS RWY 33: CLIMBING LEFT TURN TO 2000 ON BRV R-306 DIRECT BRV VORTAC BEFORE PROCEEDING ON COURSE." – NOT REQUIRED; NO PENETRATIONS EXIST.
4. UPDATED TAKEOFF OBSTACLE NOTES. - RWY 15/33 EXTENDED TO 6000 FEET.
5. CHANGED CONTROLLING OBSTACLES RWY 33 FROM "372 FT MSL TREE, 382451.48N/0772801.70W; 479 FT MSL TOWER, 382519.00N/0772901.00W" TO "381 FT MSL TREE 382451.43N/0772802.92W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE), 468 FT MSL ANTENNA 382519.22N/0772900.10W (CEILING) (VISIBILITY)." – UPDATED SURVEY; IAW 8260.46J APPENDIX D 2I(1).
6. ADDED REMARK: VEGETATION HEIGHT: 100 FT PER FPT. - IAW 8260.46J APPENDIX D 2J.

