

**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>
KESC	ESCANABA	MI	2	3 NOVEMBER 2022

TAKEOFF MINIMUMS:

RWY 10, 19, 28: STANDARD.

RWY 1: 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 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 1900 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1: VEHICLE ON ROAD BEGINNING 40 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 621 FT MSL.
TOWER 1.8 NM FROM DER, 2363 FT LEFT OF CENTERLINE, 293 FT AGL/915 FT MSL.

NOTE: RWY 10: VEHICLE ON ROAD BEGINNING 1 FT FROM DER, 272 FT RIGHT OF CENTERLINE, UP TO 607 FT MSL.
TREES BEGINNING 1760 FT FROM DER, 417 FT RIGHT OF CENTERLINE, UP TO 642 FT MSL.
TREE 1859 FT FROM DER, 561 FT RIGHT OF CENTERLINE, 654 FT MSL.
TREES BEGINNING 1869 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 656 FT MSL.
TREE 2024 FT FROM DER, 444 FT LEFT OF CENTERLINE, 646 FT MSL.

NOTE: RWY 19: FENCE BEGINNING 131 FT FROM DER, 402 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/599 FT MSL.
POLE 247 FT FROM DER, 562 FT RIGHT OF CENTERLINE, 28 FT AGL/618 FT MSL.
TREE 321 FT FROM DER, 350 FT LEFT OF CENTERLINE, 606 FT MSL.
TREES BEGINNING 367 FT FROM DER, 524 FT RIGHT OF CENTERLINE, UP TO 646 FT MSL.
TREE 374 FT FROM DER, 454 FT LEFT OF CENTERLINE, 643 FT MSL.
TREES BEGINNING 447 FT FROM DER, 383 FT LEFT OF CENTERLINE, UP TO 650 FT MSL.
TREES BEGINNING 463 FT FROM DER, 383 FT LEFT OF CENTERLINE, UP TO 660 FT MSL.
TREES BEGINNING 543 FT FROM DER, 500 FT RIGHT OF CENTERLINE, UP TO 652 FT MSL.
TREES BEGINNING 640 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 664 FT MSL.
TREES BEGINNING 671 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 673 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 915 MSL TOWER 454548.00N/0870542.00W

REMARKS:

FLIGHT INSPECTED BY	<i>Digitally signed by</i> DONALD H LANIER Jun 03, 2022	OFFICE	DATE	
SHAWN D MAXWELL		FPO	05/31/2022	
DEVELOPED BY	<i>Digitally signed by</i> DONALD H LANIER Jun 03, 2022	OFFICE	DATE	
PETER GETZ		AJV-A431	03/15/2022	
APPROVED BY	<i>Digitally signed by</i> DONALD H LANIER Jun 03, 2022	OFFICE	DATE	TITLE
LONNIE EVERHART		AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZMP

CHANGES - REASONS:

- 1) RWY 9/27 RENUMBERED TO RWY 10/28 - AIRPORT MAG VAR CHANGE FROM 3W 1985 TO 5W 2025.
- 2) UPDATED RWY 1, 10 TAKEOFF OBSTACLE NOTES - NEW SURVEY DATA.
- 3) TAKE-OFF MINIMUMS: RWY 1 CHANGED CLIMB GRADIENT FROM 265 TO 220 AND ADDED REDUCED RWY LENGTH DEPARTURE - IAW 8260.46 TABLE 2-1-1.

QUALITY
20
CHECKED