

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>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
ESCANABA, MI	DELTA COUNTY	13 SEPTEMBER 2018	1

TAKEOFF MINIMUMS:

RWY 09, 19, 27, STANDARD.

RWY 01, 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB GRADIENT OF 265 FEET PER NM TO 1100.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: **RWY 01**, VEHICLES ON ROAD BEGINNING 40 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/621 FT MSL. TOWER 1.7 NM FROM DER, 2363 FT LEFT OF CENTERLINE, 293 FT AGL/965 FT MSL.

NOTE: **RWY 09**, VEHICLES ON ROAD BEGINNING 1 FT FROM DER, 272 FT RIGHT OF CENTERLINE, UP TO 607 FT MSL. TREES BEGINNING 1753 FT FROM DER, 417 FT RIGHT OF CENTERLINE, UP TO 648 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 01: 915 MSL TOWER 454548.00N/0870542.00W.

REMARKS:



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CITY, STATE ESCANABA, MI	AIRPORT DELTA COUNTY	EFFECTIVE DATE 13 SEPTEMBER 2018	AMDT NO 1
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FLIGHT INSPECTED BY:

JEFFREY W HARING

Digitally signed by
DONALD H LANIER
Apr 30, 2018

OFFICE SYMBOL:

FICO

DATE:

7/19/17

DEVELOPED BY:

MARK CIARLONE

Mark David Ciarlone Digitally signed by Mark David Ciarlone
Date: 2017.05.30 14:31:54 -05'00'

OFFICE SYMBOL:

AJV-5431

DATE:

05/30/2017

APPROVED BY:

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Apr 30, 2018

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

CNTL FPT, AMGR, ZMP

CHANGES - REASONS:

1. RWY 18/36 RENUMBERED TO RWY 19/01 - PER FPT IFP REQUEST.
2. RWY 01 TAKEOFF MINIMUMS INCREASED FROM "261 FEET PER NM TO 1100" TO "265 FEET PER NM TO 1100" - NEW TARGETS SOFTWARE USED TO DETERMINE TAKEOFF MINIMUMS.
3. TAKEOFF OBSTACLE NOTES UPDATED - UTILIZED THE ***NEW*** DEPARTURE OBSTACLE GROUPER FOR TARGETS 5.2.

