

**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>
SAGINAW, MI	MBS INTL	02/01/2018	1

TAKEOFF MINIMUMS:

RWY 5, 14, 23, 32: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 05, VEGETATION 85 FT FROM DER, 269 FT RIGHT OF CENTERLINE, 654 FT MSL.

NOTE: RWY 23, TRANSMISSION LINE, POLE BEGINNING 1259 FT FROM DER, 785 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/698 FT MSL.
TREE 2169 FT FROM DER, 1071 FT RIGHT OF CENTERLINE, 725 FT MSL.

NOTE: RWY 32, TREE 1447 FT FROM DER, 706 FT LEFT OF CENTERLINE, 734 FT MSL.
TREE 3628 FT FROM DER, 650 FT LEFT OF CENTERLINE, 767 FT MSL.

CONTROLLING OBSTACLES:



**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>
SAGINAW, MI	MBS INTL	02/01/2018	1

REMARKS:

REFERENCE MAG VAR: KMBS 7W EPOCH YEAR 2020.

FLIGHT INSPECTED BY:

pending

Digitally signed by

ROBERT G HAMILTON

Nov 30, 2017

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

JOHN THORNTON

Digitally signed by

JOHN R THORNTON

Sep 20, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

08/14/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Nov 30, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

02/01/2018

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**



OTHER:

ZOB ARTCC, MBS ATCT, AMGR

CHANGES - REASONS:

1. CHANGED TAKEOFF MINIMUMS FROM "RWYS 5, 14, 23, 32 STANDARD" TO "RWY 5, 14, 23, 32: STANDARD" - IAW CURRENT CRITERIA.
2. DELETED DEPARTURE PROCEDURE "RWY 5, 23 CLIMB RUNWAY HEADING TO 1100 BEFORE TURNING" - CLIMB TO ALTITUDE NOT REQUIRED DUE TO APPLICATION OF CURRENT CRITERIA AND OBSTACLE DATA/ALL OBSTACLES ARE LOW CLOSE-IN OBSTACLES.
3. ADDED TAKEOFF OBSTACLE NOTES - IAW CURRENT CRITERIA AND OBSTACLE DATA.
4. DELETED "DEPARTURE OBSTACLES: RWY 5: 726 TREE 433240/840414. RWY 23: 733 ANTENNA 433148/840522" - OBSTACLES NO LONGER CONTROLLING OBSTACLES.
5. ADDED REMARK "REFERENCE MAG VAR: KMBS 7W EPOCH YEAR 2020" - PROCEDURE AMENDMENT DUE TO AIRPORT MAG VAR CHANGE FROM 4W TO 7W.
6. UPDATED COORDINATED WITH - DELETED AAT, OTHER: AVN-220, AGL-220; ADDED ALPA, AOPA, APA, NBAA.

QUALITY
18
CHECKED