

**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>
BERRIEN SPRINGS, MI	ANDREWS UNIVERSITY AIRPARK	8 NOVEMBER 2018	1

TAKEOFF MINIMUMS:

RWY 3, 21: NA- ENVIRONMENTAL, OBSTACLES
RWY 13, NA- OBSTACLES
RWY 31, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 328 FT PER NM TO 900.
PROCEDURE NA AT NIGHT.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, TREES BEGINNING 28 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 756 FT MSL. TREE, TERRAIN, VEHICLE ON ROAD, SIGN, POLE BEGINNING 53 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 747 FT MSL. TREES BEGINNING 165 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 758 FT MSL. TREE, TERRAIN, TRAVERSE_WAY, SIGN, POLE BEGINNING 396 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 761 FT MSL. TREE, POLE BEGINNING 1880 FT FROM DER, 243 FT RIGHT OF CENTERLINE, UP TO 769 FT MSL. POLE, TREE BEGINNING 1927 FT FROM DER, 264 FT LEFT OF CENTERLINE, UP TO 750 FT MSL. POLE 2045 FT FROM DER, 130 FT LEFT OF CENTERLINE, 752 FT MSL. TREES BEGINNING 2102 FT FROM DER, 258 FT RIGHT OF CENTERLINE, UP TO 774 FT MSL. TREE, POLE BEGINNING 2190 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 782 FT MSL. TREE 2237 FT FROM DER, 29 FT LEFT OF CENTERLINE, 769 FT MSL. TREES BEGINNING 2413 FT FROM DER, 414 FT RIGHT OF CENTERLINE, UP TO 806 FT MSL. TREE, POLE BEGINNING 2519 FT FROM DER, 127 FT LEFT OF CENTERLINE, UP TO 775 FT MSL. TREE, POLE BEGINNING 2598 FT FROM DER, 628 FT RIGHT OF CENTERLINE, UP TO 807 FT MSL. TREE, VEHICLE ON ROAD, POLE BEGINNING 2739 FT FROM DER, 716 FT RIGHT OF CENTERLINE, UP TO 809 FT MSL. TREE, POLE, BUILDING BEGINNING 2919 FT FROM DER, 128 FT LEFT OF CENTERLINE, UP TO 780 FT MSL. TREES BEGINNING 3132 FT FROM DER, 178 FT LEFT OF CENTERLINE, UP TO 801 FT MSL. TREE, POLE BEGINNING 3210 FT FROM DER, 344 FT LEFT OF CENTERLINE, UP TO 809 FT MSL. TREE, POLE, BUILDING BEGINNING 3616 FT FROM DER, 962 FT LEFT OF CENTERLINE, UP TO 820 FT MSL. TREE, POLE BEGINNING 4031 FT FROM DER, 1031 FT LEFT OF CENTERLINE, UP TO 834 FT MSL. TREE 4636 FT FROM DER, 1662 FT LEFT OF CENTERLINE, 828 FT MSL.

CONTROLLING OBSTACLES:

RWY 31:
828 TREE 415729.91N/0862322.85W (VISIBILITY)
834 TREE 415729.09N/0862313.17W (CG/CGTA/CEIL)

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Aug 16, 2018	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
GLENN B FREEMAN		FICO	08/14/2018
<u>DEVELOPED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Aug 16, 2018	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
COLTON CROWDER		AJV-5431	07/17/2018
<u>APPROVED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Aug 16, 2018	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
PAT MULQUEEN		AJV-5430	

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

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

QUALITY
18
CHECKED

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CITY, STATE

BERRIEN SPRINGS, MI

AIRPORT

ANDREWS UNIVERSITY AIRPARK

EFFECTIVE DATE

8 NOVEMBER 2018

AMDT NO

1

OTHER:

CHANGES - REASONS:

1. TAKEOFF MINIMUMS RWY 3, 21: ADDED "ENVIRONMENTAL, OBSTACLES" AFTER "NA" - TURF RWY FOR LOCAL USE ONLY PER AIRPORT FACILITY DIRECTORY; FLIGHT INSPECTION RESULTS INDICATE TREES RENDER ALL RUNWAY ENDS UNUSABLE EXCEPT FOR RWY 31.
2. TAKEOFF MINIMUMS RWY 13: ADDED "OBSTACLES" AFTER "NA" - FLIGHT INSPECTION RESULTS INDICATE TREES RENDER ALL RUNWAY ENDS UNUSABLE EXCEPT FOR RWY 31.
3. TAKEOFF MINIMUMS RWY 31: CHANGED FROM "700 -1 1/2 OR STD WITH A MIN. CLIMB OF 260' PER NM TO 1500." TO "300-1 OR STANDARD WITH MINIMUM CLIMB OF 328 FT PER NM TO 900." - TARGETS OBSTACLE ANALYSIS.
4. TAKEOFF NOTES ADDED/UPDATED USING OBSTACLE GROUPER TOOL.

