

**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>
ALBIA, IA	ALBIA MUNI	13 SEPTEMBER 2018	4

TAKEOFF MINIMUMS:

RWY 13, STANDARD.

RWY 31, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 1400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31: CLIMB HEADING 306.79 TO 1600 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13: TREES BEGINNING 44 FT FROM DER, 315 FT RIGHT OF CENTERLINE, UP TO 1000 FT MSL. VEHICLES ON ROAD BEGINNING 107 FT FROM DER, 140 FT LEFT OF CENTERLINE, UP TO 977 FT MSL. TREE 964 FT FROM DER, 366 FT RIGHT OF CENTERLINE, 1010 FT MSL. TREE 1038 FT FROM DER, 477 FT RIGHT OF CENTERLINE, 1015 FT MSL. CRANE AND TREES BEGINNING 1132 FT FROM DER, 370 FT RIGHT OF CENTERLINE, UP TO 1032 FT MSL. TREE 1982 FT FROM DER, 207 FT LEFT OF CENTERLINE, 1022 FT MSL. TREE 2066 FT FROM DER, 343 FT LEFT OF CENTERLINE, 1036 FT MSL.

NOTE: RWY 31: VEHICLES ON ROAD 47 FT FROM DER, 447 FT RIGHT OF CENTERLINE, 976 FT MSL. VEHICLES ON ROAD AND TREES BEGINNING 82 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 990 FT MSL. TREES BEGINNING 405 FT FROM DER, 349 FT RIGHT OF CENTERLINE, UP TO 1007 FT MSL. TREE 759 FT FROM DER, 472 FT RIGHT OF CENTERLINE, 1013 FT MSL. TREES BEGINNING 795 FT FROM DER, 293 FT RIGHT OF CENTERLINE, UP TO 1019 FT MSL. TOWER 2.0 NM FROM DER, 3475 FT LEFT OF CENTERLINE, 333 FT AGL/1293 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 1293 FT MSL TOWER 410049.23N/0924851.85W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 31: 1445 FT MSL TOWER 410147.32N/0924713.11W.



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REMARKS:

1. REDUCED RUNWAY TAKEOFF LENGTH (1600 FT) OPTION NOT APPLIED TO RWY 31 TAKEOFF MINIMUMS. TAKEOFF POINT WOULD BE PRIOR TO DRP (1798 FT FROM THE APPROACH END OF RUNWAY).
2. RWY 31 CLIMB GRADIENT ROUNDED TO 215 FT PER NM FOR PUBLICATION (COMPUTED VALUE 209.99 FT PER NM).

FLIGHT INSPECTED BY:

GARY BELL

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2018

OFFICE SYMBOL:

FICO

DATE:

7/22/18

DEVELOPED BY:

PETER GUIMOND

Digitally signed by

PETER R GUIMOND

Jun 20, 2018

OFFICE SYMBOL:

AJV-5422

DATE:

06/20/2018

APPROVED BY:

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2018

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA

☐☒☒☐☐☒

OTHER:

ZAU, AMGR.

CHANGES - REASONS:

1. AMENDED RWY 13 TAKEOFF MINIMUMS FROM 300-1 TO STANDARD - 40:1 SURFACE CLEAR OF PENETRATIONS EXCEPT THOSE DESIGNATED AS LOW, CLOSE-IN.
2. AMENDED RWY 31 TAKEOFF MINIMUMS FROM 300-1 TO 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 1400 - NEW CONTROLLING OBSTACLE IDENTIFIED REQUIRING CLIMB GRADIENT.
3. AMENDED RWY 31 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 2000 BEFORE TURNING TO CLIMB HEADING 306.79 TO 1600 BEFORE TURNING RIGHT - NEW OBSTACLE STUDY. A CLIMB TO 1600 IS SUFFICIENT TO CLEAR THE OBSTACLE REQUIRING ODP DEVELOPMENT. INSTRUCTIONS FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, PARA 7.
4. ADDED TAKEOFF OBSTACLE NOTES FOR RWY 13 AND RWY 31 - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, PARA 9. GROUPED AND FORMATTED IN ACCORDANCE WITH DEPARTURE OBSTACLE GROUPER SOP (1.0).
5. ADDED CONTROLLING OBSTACLE AND OBSTACLE MANDATING ODP ROUTE DEVELOPMENT FOR RWY 31 - FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, PARA 10.

QUALITY
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CHECKED