

**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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
DES MOINES, IA	DES MOINES INTL	2/1/2018	11A

TAKEOFF MINIMUMS:

RWY 5, 13, 23, 31, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5: CLIMB HEADING 052.82 TO 1500 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, NAVAID 40 FT FROM DER, 115 FT LEFT OF CENTERLINE, 4 FT AGL/936 FT MSL. TERRAIN 233 FT FROM DER, 503 FT LEFT OF CENTERLINE, 941 FT MSL. FENCE 623 FT FROM DER, 589 FT LEFT OF CENTERLINE, 8 FT AGL/951 FT MSL. VEHICLE ON ROAD 934 FT FROM DER, 669 FT LEFT OF CENTERLINE, 959 FT MSL. TREES AND POLE BEGINNING 986 FT FROM DER, 400 FT LEFT OF CENTERLINE, UP TO 1020 FT MSL. POLE 2280 FT FROM DER, 364 FT RIGHT OF CENTERLINE, 71 FT AGL/1001 FT MSL. TREE AND POLE BEGINNING 2312 FT FROM DER, 377 FT RIGHT OF CENTERLINE, UP TO 1004 FT MSL. TREES BEGINNING 2341 FT FROM DER, 566 FT RIGHT OF CENTERLINE, UP TO 1015 FT MSL. TREE 2432 FT FROM DER, 881 FT RIGHT OF CENTERLINE, 1018 FT MSL. TREES BEGINNING 2453 FT FROM DER, 566 FT RIGHT OF CENTERLINE, UP TO 1020 FT MSL. TREES BEGINNING 2609 FT FROM DER, 614 FT RIGHT OF CENTERLINE, UP TO 1026 FT MSL. TREES BEGINNING 3175 FT FROM DER, 218 FT RIGHT OF CENTERLINE, UP TO 1048 FT MSL. TREE 3567 FT FROM DER, 1042 FT LEFT OF CENTERLINE, 1035 FT MSL. TREES BEGINNING 3572 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 1038 FT MSL.

NOTE: RWY 13, TREE 1427 FT FROM DER, 830 FT LEFT OF CENTERLINE, 1002 FT MSL. TREE 1830 FT FROM DER, 918 FT RIGHT OF CENTERLINE, 1017 FT MSL. TREE 2970 FT FROM DER, 1142 FT LEFT OF CENTERLINE, 1033 FT MSL.

NOTE: RWY 23, VEHICLE ON ROAD BEGINNING 199 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 930 FT MSL.

NOTE: RWY 31, TREE 2508 FT FROM DER, 907 FT RIGHT OF CENTERLINE, 977 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5: 1456 FT MSL BUILDING 413515.00N/0933743.00W.



**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>
DES MOINES, IA	DES MOINES INTL	2/1/2018	11A

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Dec 05, 2017	<u>OFFICE SYMBOL:</u> FICO	<u>DATE:</u> 10/13/17
SCOTT WIEBE			

<u>DEVELOPED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Dec 05, 2017	<u>OFFICE SYMBOL:</u> AJV-5433	<u>DATE:</u> 8/7/2017
BEVERLY BORDY (JACOB MAXFIELD)			

<u>APPROVED BY:</u>	<i>Digitally signed by</i> DONALD H LANIER Dec 05, 2017	<u>OFFICE SYMBOL:</u> AJV-5430	<u>DATE:</u>
PATRICK MULQUEEN			

REQUIRED EFFECTIVE DATE:
2/1/2018

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:
ZAU, ZMP, DSM DEP CON, DSM TOWER, AMGR, IA AERO

CHANGES - REASONS:
1. UPDATED RWY 5 FROM 50.82 TO 52.82.
2. UPDATED TAKEOFF OBSTACLES NOTES.

1. AIRPORT MAG VAR OUT OF TOLERANCE.
2. NEW OBSTACLE DATA.

