

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
DES MOINES	NINE	DSM9.DSM	EIGHT	10/12/2017	2/1/2018
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 5: CLIMB HEADING 052.82 TO 1500 BEFORE TURNING LEFT FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

TAKEOFF RWY 13: CLIMB HEADING 131.34 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

TAKEOFF RWY 23: CLIMB HEADING 232.84 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

TAKEOFF RWY 31: CLIMB HEADING 311.35 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

...MAINTAIN 5000 OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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**PROCEDURAL DATA NOTES:**

RADAR REQUIRED

THIS IS A CORRECTED COPY OF A PROCEDURE PREVIOUSLY PUBLISHED IN NFDD 240.

**TAKEOFF MINIMUMS:**

RWYS 5, 13, 23, 31: STANDARD

**TAKEOFF OBSTACLES 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. TREE 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.

**LOST COMMUNICATIONS PROCEDURES:**

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DES MOINES	NINE	DSM9.DSM	EIGHT	10/12/2017	2/1/2018

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 5000

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DES MOINES INTL	DES MOINES	IA

**COMMUNICATIONS:**

CLEARANCE DELIVERY.

**FIXES AND/OR NAVAIDS:**

VORTACS: FSD, GEP, SUX, FOD, DBQ, OVR, LNK, DSM, BDF, STJ, IRK, UIN, TOP, MCI. VOR/DME'S: ALO, CID, IOW, LMN, OTM, MCW, BRL, TNU.

**REMARKS:****FLIGHT INSPECTED BY:**

SCOTT WEIBE

*Digitally signed by*  
**DONALD H LANIER**

Dec 12, 2017

**OFFICE SYMBOL:**

FICO

**DATE:**

10/13/17

**DEVELOPED BY:**

BEVERLY BORDY (JACOB MAXFIELD)

*Digitally signed by*  
**DONALD H LANIER**

Dec 12, 2017

**OFFICE SYMBOL:**

AJV-5433

**DATE:**

8/11/2017

**APPROVED BY:**

PATRICK MULQUEEN

*Digitally signed by*  
**DONALD H LANIER**

Dec 12, 2017

**OFFICE SYMBOL:**

AJV-5430

**DATE:****REQUIRED EFFECTIVE DATE:**

2/1/2017

**COORDINATED WITH:**

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

**OTHER:**

ZMP, ZAU, DSM APP CON, DSM ATCT, IA AERO, AMGR

**CHANGES - REASONS:**

1. UPDATED DP ROUTE DESCRIPTION FROM:

"MAINTAIN RUNWAY HEADING; EXPECT VECTOR TO ASSIGNED ROUTE/FIX. MAINTAIN 5000 FT OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. RWY 5: CLIMB HEADING 050.82 TO 1500 BEFORE TURNING LEFT."

TO

"TAKEOFF RWY 5: CLIMB HEADING 052.82 TO 1500 BEFORE TURNING LEFT FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

TAKEOFF RWY 13: CLIMB HEADING 131.34 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

TAKEOFF RWY 23: CLIMB HEADING 232.84 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...



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DES MOINES	NINE	DSM9.DSM	EIGHT	10/12/2017	2/1/2018

TAKEOFF RWY 31: CLIMB HEADING 311.35 FOR RADAR VECTORS TO ASSIGNED ROUTE/FIX, THENCE...

...MAINTAIN 5000 OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE."

2. UPDATED TAKEOFF OBSTACLES NOTES.

3. DELETED REMARK "DES MOINES EIGHT AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS."

4. ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5: 1456 FT MSL BUILDING 413515.00N/0933743.00W" TO CONTROLLING OBSTACLES.

5. DELETED ORD VOR/DME FROM FIX AND/OR NAVAIDS.

6. UPDATED PROCEDURAL DATA NOTES FROM "APPLICABLE IN RADAR ENVIROMENT ONLY" TO "RADAR REQUIRED."

1. IAW 8260.46F 2-1-1.G.(1) AND ...G.(4); AIRPORT MAG VAR OUT OF TOLERANCE.

2. NEW OBSTACLE DATA.

3. AMENDMENT NINE MEETS PERIODIC REVIEW REQUIREMENTS.

4. OBSTACLE MANDATES THE ICA TURN ALTITUDE. IAW 8260.46F APPENDIX D SEC 2.8.C

5. NAVAID DECOMMISSIONING.

6. IAW 8260.46F 2-1-1.F.(3)

12/12/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/05/2017.

1. UPDATED COMMUNICATIONS NOTE FROM "CLEARANCE DELIVERY AND SECTORIZED DEPARTURE CONTROL" TO "CLEARANCE DELIVERY."

2. CORRECTED EFFECTIVE DATE FROM "2/1/2017" TO "2/1/2018."

