

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
MINNEAPOLIS	NINE	MSP9.MSP	EIGHT	08/17/2017	8 SEP 2022

<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"/>

This is a corrected copy of a procedure originally published in NFDD 137. See page 3 for details

DP ROUTE DESCRIPTION:

TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT: ATC CROSSING RESTRICTIONS AND CLIMB GRADIENTS: IF UNABLE TO ACCEPT CROSSING RESTRICTIONS AND CLIMB RATES ADVISE ATC PRIOR TO TAXI.

RWY 12L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500.

RWY 17: FOR ASSIGNED HEADINGS FROM 230 CLOCKWISE TO 285, CROSS MSP 7 DME AT OR ABOVE 3500, 512 FEET PER NM TO 3500.

RWY 30L/R: FOR ASSIGNED HEADINGS FROM 220 CLOCKWISE TO 360, CROSS MSP 7 DME AT OR ABOVE 3500, 380 FEET PER NM TO 3500.

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:**PBN REQUIREMENTS NOTES:****EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

TAKEOFF MINIMUMS:

RWYS 12R, 17, 22: STANDARD.

RWY 4: STANDARD WITH MINIMUM CLIMB OF 202 TO 2400

RWY 12L: STANDARD WITH MINIMUM CLIMB OF 277 TO 1100.

RWY 30L: STANDARD WITH MINIMUM CLIMB OF 208 FT PER NM TO 2000.

RWY 30R: STANDARD WITH MINIMUM CLIMB OF 217 FT PER NM TO 2000.

RWY 35: STANDARD WITH MINIMUM CLIMB OF 219 FT PER NM TO 2000.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURE (ODP).

CONTROLLING OBSTACLES:

RWY 4: 2438 FT MSL TOWER 450344.83N/0930822.61W.

RWY 12L: 979 FT MSL TRANSMISSION LINE 445235.36N/0931010.19W.

RWY 30L: 1743 FT MSL BLDG 445834.00N/0931621.00W.

RWY 30R: 1743 FT MSL BLDG 445834.00N/0931621.00W.

RWY 35: 1743 FT MSL BLDG 445834.00N/0931621.00W.

QUALITY
2
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MINNEAPOLIS	NINE	MSP9.MSP	EIGHT	08/17/2017	8 SEP 2022

MSA:LOST COMMUNICATIONS PROCEDURES:ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KMSP	MINNEAPOLIS	MN

COMMUNICATIONS:

CHART: ATIS, CLEARANCE DELIVERY, TOWER.

FIXES AND/OR NAVAIDS:

FAR VOR/DME, DLH VORTAC, GRB VORTAC, RAP VORTAC, FSD VORTAC, DLL VORTAC, OVR VORTAC, DSM VORTAC, STJ VORTAC, MCI VORTAC, ABR VOR/DME.

REMARKS:

WAIVER ON FILE FOR PUBLICATION OF ATC CLIMB GRADIENTS

APPROVAL LETTER ON FILE FOR CLIMB GRADIENTS IN EXCESS OF 500 FT/NM.

FLIGHT INSPECTED BY

DEAN D BROWN

*Digitally signed by***JOHNNIE BAKER**

Jul 26, 2022

OFFICE

FPO

DATE

05/04/2022

DEVELOPED BY

DONALD LANIER (MICAH HILLEY)

*Digitally signed by***JOHNNIE BAKER**

Jul 26, 2022

OFFICE

AJV-A431

DATE

02/16/2022

APPROVED BY

LONNIE EVERHART

*Digitally signed by***JOHNNIE BAKER**OFFICE

AJV-A430

DATETITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

Jul 26, 2022

COORDINATED WITH:

A4A ☒
ALPA ☒
AOPA ☒
APA ☒
HAI ☐
NBAA ☒
OTHER: ZMP, MSP ATCT, AMGR

QUALITY
 2
 CHECKED

CHANGES - REASONS:

1: CHANGED DEPARTURE ROUTE DESCRIPTION DME EQUIPPED AIRCRAFT RWY 12L/R FROM: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500. MAINTAIN ASSIGNED ALTITUDE, IF UNABLE TO COMPLY ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE TO: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500 - ATC REQUEST; DOES AWAY WITH THE MSP CROSSING RESTRICTIONS AT 7 DME THAT WERE PREVIOUSLY PUBLISHED.

2: CHANGED DEPARTURE ROUTE DESCRIPTION NON-DME EQUIPPED AIRCRAFT RWY 12L/R FROM: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS FGT R-010 AT OR ABOVE 3500. MAINTAIN ASSIGNED ALTITUDE, IF UNABLE TO COMPLY ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE TO: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS FGT R-010 AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500 - ATC REQUEST; DOES AWAY WITH THE MSP CROSSING RESTRICTIONS AT 7 DME THAT WERE PREVIOUSLY PUBLISHED.

3: CHANGED DEPARTURE ROUTE DESCRIPTION TAKEOFF RUNWAY 17 DEPARTURES FROM: FOR ASSIGNED HEADINGS FROM 230 CLOCKWISE TO 285 CROS MSP 7 DME AT 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY, ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE TO: RWY 17: FOR ASSIGNED HEADINGS FROM 230 CLOCKWISE TO 285, CROSS MSP 7

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MINNEAPOLIS	NINE	MSP9.MSP	EIGHT	08/17/2017	8 SEP 2022

DME AT OR ABOVE 3500, 512 FEET PER NM TO 3500 - ATC REQUEST; DOES AWAY WITH THE MSP CROSSING RESTRICTIONS AT 7 DME THAT WERE PREVIOUSLY PUBLISHED.

4: CHANGED DEPARTURE ROUTE DESCRIPTION TAKEOFF RUNWAY 30L/R DEPARTURES FROM: FOR ASSIGNED HEADINGS FROM 220 CLOCKWISE TO 360 CROSS MSP 7 DME AT 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY, ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE TO: RWY 30L/R: FOR ASSIGNED HEADINGS FROM 220 CLOCKWISE TO 360, CROSS MSP 7 DME AT OR ABOVE 3500, 380 FEET PER NM TO 3500. - ATC REQUEST; DOES AWAY WITH THE MSP CROSSING RESTRICTIONS AT 7 DME THAT WERE PREVIOUSLY PUBLISHED.

5: DELETED PROCEDURAL DATA NOTE: DME REQUIRED FOR RWY 17, 30L/R DEPARTURES - ADDED ATC CLIMB GRADIENTS TO ENSURE AIRCRAFT ARE AT 3500 FT AT 7 DME; FPT REQUEST.

6: CHANGED RWY 12L TAKEOFF MINIMUMS FROM: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 207 FT PER NM CLIMB GRADIENT, TAKE OFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER TO: STANDARD - 8260.46H APPENDIX D SECTION 2 6(B); NEW EVALUATION.

7: CHANGED RWY 30L TAKEOFF MINIMUMS FROM: STANDARD TO: STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 2100 - 8260.46H APPENDIX D SECTION 2 6(C); NEW EVALUATION.

8: CHANGED RWY 30R TAKEOFF MINIMUMS FROM: STANDARD TO: STANDARD WITH A MINIMUM CLIMB OF 220 FT PER NM TO 2100 - 8260.46H APPENDIX D SECTION 2 6(C); NEW EVALUATION.

9: DELETED RWY 12L CONTROLLING OBSTACLE - 8260.46H APPENDIX D SECTION 2 10(A); NEW EVALUATION.

10: CHANGED ADDITIONAL FLIGHT DATA NOTE: CHART TOP ALTITUDE FROM: (JETS) 7000/(PROPS) 5000 TO: CHART: TOP ALTITUDE: ASSIGNED BY ATC - 8260.46H APPENDIX D SECTION 2 12(B).

11: REMOVED TAKEOFF OBSTACLE NOTES - 8260.46H APPENDIX D SECTION 2 (9).

12: REMOVED AIRPORT NAME FROM AIRPORTS SERVED - 8260.46H APPENDIX D SECTION 2 (13).

13: CHANGED COMMUNICATIONS FROM : ATIS, CLEARANCE DELIVERY, DEPARTURE CONTROL SOUTH OR EAST, DEPARTURE CONTROL NORTH OR WEST, TOWER TO: CHART: ATIS, CLEARANCE, DELIVERY, TOWER - 8260.46H APPENDIX D SECTION 2 (14).

14: DELETED FCM VOR/DME, FOD VORTAC, ODI VORTAC, ONL VORTAC, RST VOR/DME FROM FIXES AND/OR NAVAIDS - 8260.46H APPENDIX D SECTION 2 (15); VOR MON; FPT REQUEST.

15: ADDED "WAIVER ON FILE FOR PUBLICATION OF ATC CLIMB GRADIENTS" AND "APPROVAL LETTER ON FILE FOR CLIMB GRADIENTS IN EXCESS OF 500 FT/NM" TO REMARKS - 8260.46H APPENDIX D SECTION 2 (11).

16: ADDED DEPARTURE ROUTE DESCRIPTION: ALL AIRCRAFT: ATC CROSSING RESTRICTIONS AND CLIMB GRADIENTS: IF UNABLE TO ACCEPT CROSSING RESTRICTIONS AND CLIMB RATES ADVISE ATC PRIOR TO TAXI - 8260.46H APPENDIX D SECTION 2 3(A) & (B).

05/17/2022: THIS IS AN UPDATED COPY OF THE FORM APPROVED ON 05/02/2022.

1: CHANGED DEPARTURE ROUTE DESCRIPTION TAKE OFF ALL RUNWAYS FROM: FLY ASSIGNED HEADING FOR RADAR VECTORS TO JOIN FILED/ASSIGNED ROUTE. TURBOJET AIRCRAFT MAINTAIN 7000 OR LOWER ASSIGNED ALTITUDE. ALL OTHER AIRCRAFT MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE. EXPECT CLEARANCE TO ASSIGNED ALTITUDE/FLIGHT LEVEL TEN MINUTES AFTER DEPARTURE TO: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO ASSIGNED ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

2: CHANGED DEPARTURE ROUTE DESCRIPTION FROM: DME EQUIPPED AIRCRAFT RWY 12L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500 TO: RWY 12L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500.

3: REMOVED NON-DME EQUIPPED AIRCRAFT RWY 12 L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS FGT R-010 AT OR ABOVE 3500, RWY 12L: 540 FEET PER NM TO 3500, 12R: 542 FEET PER NM TO 3500.

4: CHANGED RWY 4 TAKEOFF MINIMUMS FROM: STANDARD TO: STANDARD WITH MINIMUM CLIMB 202 TO 2400.

5: CHANGED RWY 12L TAKEOFF MINIMUMS FROM: STANDARD TO: STANDARD WITH MINIMUM CLIMB 277 TO 1100.

6: CHANGED MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN TAKEOFF MINIMUMS RWY 30L FROM: STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 2100 TO: STANDARD WITH MINIMUM CLIMB OF 208 FT PER NM TO 2000.

7: CHANGED MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN TAKEOFF MINIMUMS RWY 30R FROM: STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 2100 TO: STANDARD WITH MINIMUM CLIMB OF 217 FT PER NM TO 2000.

8: CHANGED MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN TAKEOFF MINIMUMS RWY 35 FROM: STANDARD WITH MINIMUM CLIMB OF 219 FT PER NM TO 2100 TO: STANDARD WITH MINIMUM CLIMB OF 219 FT PER NM TO 2000.

9: ADDED CHART: KSTP, KANE, KMIC, AND KFCM TO ADDITIONAL FLIGHT DATA.

07/26/2022: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/25/2022.

REMOVED CHART: KSTP, KANE, KMIC, AND KFCM FROM ADDITIONAL FLIGHT DATA.

Digitally signed by

ERIC N SUSKI

Jul 28, 2022

QUALITY
2
CHECKED