

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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NRTHN	ONE	NRTHN1.NRTHN	NONE		

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

MSP:
TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR VECTORS TO CROSS SIEDL AT OR ABOVE 4200, THEN ON DEPICTED ROUTE TO NRTHN, THEN ON TRANSITION. MAINTAIN (JETS) 7000/(PROPS) 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT: ATC CLIMB GRADIENTS: IF UNABLE TO ACCEPT CLIMB GRADIENTS ADVISE ATC PRIOR TO TAXI.
RWY 12L/R: 495 FT/NM TO 3500.
RWY 17: 470 FT/NM TO 3500.
RWY 30L: 455 FT/NM TO 4000.
RWT 30R: 430 FT/NM TO 4000.
RWY 35: 445 FT/NM TO 4000.

ANE, FCM:
TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR VECTORS TO CROSS SIEDL AT OR ABOVE 4200, THEN ON DEPICTED ROUTE TO NRTHN, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

STP:
TAKEOFF RWY 9,13,14: CLIMB ON ASSIGNED HEADING FOR VECTORS TO CROSS SIEDL AT OR ABOVE 4200, THENCE...
TAKEOFF RWY 27: CLIMB ON HEADING 270.68 TO 1700 FOR VECTORS TO CROSS SIEDL AT OR ABOVE 4200, THENCE...
TAKEOFF RWY 32: CLIMB ON HEADING 326.04 TO 1400 FOR VECTORS TO CROSS SIEDL AT OR ABOVE 4200, THENCE...

...ON DEPICTED ROUTE TO NRTHN, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILE ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
AROND	NRTHN1.AROND	NRTHN	PRRCH	TRACK 029.45	8.51	10000	2400	
		PRRCH	WAHLI	TRACK 052.35	17.38	10000	2600	
		WAHLI	CUSAY	TRACK 052.58	51.95	12000	2800	
		CUSAY	ENNDD	TRACK 088.41	86.46	12000	3300	
		ENNDD	AROND	TRACK 090.30	120.28	12000	3300	
TTOWN	NRTHN1.TTOWN	NRTHN	PIIKE	TRACK 069.44	9.38	10000	2400	
		PIIKE	DWIYT	TRACK 078.52	15.70	10000	2600	



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NRTHN	ONE	NRTHN1.NRTHN	NONE		
	DWIYT	WLSTN	TRACK 078.77	54.76	12000 3000
	WLSTN	TYTEL	TRACK 098.00	70.00	12000 3300
	TYTEL	TTOWN	TRACK 099.17	106.00	12000 3300

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

TAKEOFF MINIMUMS:

MSP:
RWY 12L/R, 17, 22: STANDARD.
RWY 4, 30L/R, 35: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 2000.

ANE:
RWY 9: STANDARD WITH MINIMUM CLIMB OF 350 FT/NM TO 2900.
RWY 18: STANDARD WITH MINIMUM CLIMB OF 370 FT/NM TO 3000.
RWY 27, 36: STANDARD WITH MINIMUM CLIMB OF 260 FT/NM TO 2800.

FCM:
RWY 10L/R, 18, 28L/R, 36: STANDARD.

STP:
RWY 31: NA-AIRPORT RESTRICTIONS.
RWY 9: 400-2 WITH MINIMUM CLIMB OF 280 FT/NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 310 FT/NM TO 1400.
RWY 13: STANDARD WITH MINIMUM CLIMB OF 270 FT/NM TO 1500.
RWY 14: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 2500.
RWY 27: STANDARD WITH MINIMUM CLIMB OF 380 FT/NM TO 1000.
RWY 32: STANDARD WITH MINIMUM CLIMB OF 350 FT/NM TO 2500.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

MSP:
RWY 4: 2438 FT MSL TOWER 450344.83N/0930822.61W.
RWY 30L/R, 35: 1743 FT MSL BUILDING 445834.00N/0931621.00W.

ANE:
RWY 9, 18, 27, 36: 2438 FT MSL TOWER 450344.83N/0930822.61W.

STP:
RWY 9: 1065 FT MSL TREE 445614.07N/0930051.64W (CEILING/VISIBILITY); 1239 FT MSL BUILDING 445702.78N/0925944.79W (280 CLIMB GRADIENT); 981 FT MSL TREE 445624.11N/0930133.39W (310 CLIMB GRADIENT); 2375 FT MSL TOWER 450330.00N/0930728.00W (CLIMB GRADIENT TERMINATION ALTITUDE).
RWY 13: 1137 FT MSL TANK 445518.00N/0930012.00W (CLIMB GRADIENT); 2375 FT MSL TOWER 450330.00N/0930728.00W (CLIMB GRADIENT TERMINATION ALTITUDE).
RWY 14: 1238 FT MSL TOWER 445440.64N/0925910.72W (CLIMB GRADIENT); 2375 FT MSL TOWER 450330.00N/0930728.00W (CLIMB GRADIENT TERMINATION ALTITUDE).
RWY 27: 875 FT MSL TREE 445551.83N/0930457.18W (CLIMB GRADIENT); 1015 FT MSL TREE 445540.02N/0930603.79W (CLIMB GRADIENT TERMINATION ALTITUDE); 2438 FT MSL TOWER 450344.83N/0930822.61W (CLIMB-TO ALTITUDE).



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NRTHN	ONE	NRTHN1.NRTHN	NONE		

RWY 32: 976 FT MSL ANTENNA 445730.11N/0930432.18W (CLIMB GRADIENT); 2375 FT MSL TOWER 450330.00N/0930728.00W (CLIMB GRADIENT TERMINATION ALTITUDE); 1271 FT MSL BUILDING 445647.16N/0930528.42W (CLIMB-TO ALTITUDE).

MSA:
ALL AIRPORTS: 3500.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
AIRPORT MV: MSP (P) 0E/2015, STP 0E/2020, FCM 3E/1985, ANE 2E/2000.
DME/DME ASSESSMENT: SAT (RNP 2.0).
MSP - CHART: TOP ALTITUDE: (JETS) 7000/(PROPS) 5000
ANE, FCM, STP - CHART: TOP ALTITUDE: ASSIGNED BY ATC.
CHART: MINIMUM CROSSING ALTITUDE AT SIEDL - 4200.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
MSP	MINNEAPOLIS	MN
ANE	MINNEAPOLIS	MN
FCM	MINNEAPOLIS	MN
STP	ST PAUL	MN

COMMUNICATIONS:
ALL AIRPORTS CHART: ATIS, CLNC DEL, GND CON, TOWER.

FIXES AND/OR NAVAIDS:

REMARKS:
100 FT VEGETATION USED PER FPT.

ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION.

MSP MINIMUMS COMBINED TO REDUCE CHART CLUTTER: RWYS 12L/R, 17, 22: STANDARD. RWY 4, 30L/R, 35: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 2000.

WAIVER REFERENCE HEADER:
WAIVERS (1): ATC REQUESTED ALTITUDE LOWER THAN UNRESTRICTED CLIMB ALLOWED BY TERPS EVALUATION; WAIVER (2): REDUCED ROC; WAIVER (3): ATC CLIMB GRADIENTS.

ATC FACILITY OPERATING RESTRICITON:
DP RESTRICTIONS FOR ATC FACILITIES INFORMATION: ATC IS NOT ALLOWED TO LET AN AIRCRAFT CLIMBING TO THE LOWEST ALTITUDES ASSIGNED ENTER A HIGHER MVA UNLESS ATC HAS ASSIGNED AND THE PILOT REACHED THE ALTITUDE EQUAL TO OR HIGHER THAN THE MVA SECTOR THEY ARE ENTERING OR FAA ORDER 7110.65, PARAGRAPH 5-6-3.A.(1) OR (2) IS BEING APPLIED (ATC IS RESPONSIBLE FOR OBSTACLE SEPARATION UNTIL THE AIRCRAFT REACHES THE MVA ALTITUDE OR HIGHER).

PILOT AND CONTROLLER ADVISORY NOTE:
ALL AIRCRAFT: ATC CROSSING RESTRICTIONS AND CLIMB GRADIENTS: IF UNABLE TO ACCEPT CROSSING RESTRICTIONS AND CLIMB RATES ADVISE ATC PRIOR TO TAXI. (RUNWAYS): CROSS (WAYPOINT) AT OR ABOVE (ALTITUDE), (CG) FT/NM TO (ALTITUDE).

SATELLITE AIRPORT LOA SPECIFIC NOTES:
ANE:
TURN RESTRICTIONS FOR LOWEST ATC ASSIGNED ALTITUDE RWY 9, 27, 36: 190 CW 090 CLIMB TO 3000. REFERENCE ANE LETTER OF AGREEMENT (LOA).



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NRTHN	ONE	NRTHN1.NRTHN	NONE		

TURN RESTRICTIONS FOR LOWEST ATC ASSIGNED ALTITUDE RWY 18: RIGHT TURN 190 CW 090 CLIMB TO 3000. LEFT TURN 190 CW 060 CLIMB TO 3500. REFERENCE ANE LETTER OF AGREEMENT (LOA).

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
SCOTT WIEBE		AJF	08/13/2026

<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
RAKE MCGRAW (JUDITH TUTTLE)		AJV-A431	04/20/2026

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
RAKE MCGRAW		AJV-A422		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:
ORIGINAL PROCEDURE.

08/06/2026: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/20/2026:

1. REMARKS: ADDED REMARK TITLE "WAIVER REFERENCE HEADER: TO WAIVERS NOTE.
2. REMARKS: DELETED "PILOTS ARE REQUIRED PER 14 CFR TO CHECK THEIR ALTIMETER ON THE GROUND AND ENSURE IT IS NOT MORE THAN 75 FEET OFF FROM THE AIRPORT ALTITUDE WHEN DEPARTING. ATC IS REQUIRED TO VALIDATE THE ALTITUDE ON INITIAL CONTACT".
3. REMARKS: DELETED "PER 14 CFR, PART 91.185 THE PILOT IS EXPECTED TO CLIMB TO THE REQUESTED/ASSIGNED ALTITUDE AND PROCEED DIRECT TO THE ASSIGNED/FILED ROUTE OF FLIGHT".
4. REMARKS: DELETED "LEVEL ROC ON APPROACH IS 500/250 IN THE TERMINAL ENVIRONMENT. THE AIRCRAFT WOULD ONLY BE ASSIGNED THE INITIAL ALTITUDE BASED ON THE MVA (SEE ATTACHED SUPPORTING DOCUMENTATION FOR THE CONTROLLING OBSTACLE INFORMATION) FOR A SHORT PERIOD OF TIME TO ENSURE INITIAL SEPARATION. THE AIRCRAFT WILL THEN BE ASSIGNED THE MAINTAIN ALTITUDE (SEE ATTACHED SUPPORTING DOCUMENTATION FOR THE MAINTAIN ALTITUDE ASSIGNED BY ATC)".
5. REMARKS: ADDED "ATC FACILITY OPERATING RESTRICTION:" TO DP RESTRICTIONS FOR ATC FACILITIES NOTE.
6. REMARKS: ADDED PILOT AND CONTROLLER ADVISORY NOTE: ALL AIRCRAFT: ATC CROSSING RESTRICTIONS AND CLIMB GRADIENTS: IF UNABLE TO ACCEPT CROSSING RESTRICTIONS AND CLIMB RATES ADVISE ATC PRIOR TO TAXI. (RUNWAYS): CROSS (WAYPOINT) AT OR ABOVE (ALTITUDE), (CG) FT/NM TO ALTITUDE.
7. REMARKS: ADDED "SATELLITE AIRPORT LOA NOTES:" TO ANE TURN RESTRICTION NOTE.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
NRTHN		ONE		NRTHN1.NRTHN		NONE			
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
SIEDL	450610.43N/0930142.67W	Y	-	IF	-	-	AT/ABOVE 4200		
NRTHN	451149.83N/0925128.67W	Y	FB	TF	051.94	9.19			
NRTHN	451149.83N/0925128.67W	Y	-	IF	-	-			NRTHN1.AROUND
PRRCH	451914.28N/0924532.87W	Y	FB	TF	029.45	8.51			
WAHLI	452949.55N/0922559.12W	Y	FB	TF	052.35	17.38			
CUSAY	460107.84N/0912647.14W	Y	FB	TF	052.58	51.95			
ENNDD	460224.62N/0892242.53W	Y	FB	TF	088.41	86.46			
AROND	455937.00N/0863009.00W	Y	FB	TF	090.30	120.28			
NRTHN	451149.83N/0925128.67W	Y	-	IF	-	-			NRTHN1.TTOWN
PIIKE	451506.76N/0923902.89W	Y	FB	TF	069.44	9.38			
DWIYT	451812.16N/0921715.24W	Y	FB	TF	078.52	15.70			
WLSTN	452826.44N/0910055.27W	Y	FB	TF	078.77	54.76			
TYTEL	451759.71N/0892242.53W	Y	FB	TF	098.00	70.00			
TTOWN	445931.24N/0865513.63W	Y	FB	TF	099.17	106.00			

