

**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SUPERSEDED NUMBER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>
SNUPE	ONE	SNUPE1.SNUPE	NONE		

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

MSP:

TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR VECTORS TO CROSS PNUZT AT OR ABOVE 4000, THEN ON DEPICTED ROUTE TO SNUPE, 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 PNUZT AT OR ABOVE 4000, THEN ON DEPICTED ROUTE TO SNUPE, 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 PNUZT AT OR ABOVE 4000, THENCE...

TAKEOFF RWY 27: CLIMB ON HEADING 270.68 TO 1700 FOR VECTORS TO CROSS PNUZT AT OR ABOVE 4000, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 326.04 TO 1400 FOR VECTORS TO CROSS PNUZT AT OR ABOVE 4000, THENCE...

...ON DEPICTED ROUTE TO SNUPE, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILE 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>
DELLS	SNUPE1.DLL	SNUPE	WDSTK	TRACK 117.93	8.30	8000	2600	
		WDSTK	DLL VORTAC	TRACK 117.15	122.24	8000	3500	

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).
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).
CHART: MINIMUM CROSSING ALTITUDE AT PNUTZ - 4000.
MSP - CHART: TOP ALTITUDE: (JETS) 7000/(PROPS) 5000
ANE, FCM, STP - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
MSP	MINNEAPOLIS	MN



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SNUPE	ONE	SNUPE1.SNUPE	NONE		
FCM		MINNEAPOLIS			MN
STP		ST PAUL			MN
ANE		MINNEAPOLIS			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).

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).

FLIGHT INSPECTED BY

SCOTT WIEBE

SIGNATURE

Digitally signed by

ALLAN WILL

Aug 26, 2026

SIGNATURE

Digitally signed by

ALLAN WILL

Aug 26, 2026

SIGNATURE

Digitally signed by

ALLAN WILL

Aug 26, 2026

OFFICE

FOIG

DATE

08/07/2026

DEVELOPED BY

RAKE MCGRAW (JUDITH TUTTLE)

OFFICE

AJV-A431

DATE

04/20/2026

APPROVED BY

RAKE MCGRAW

OFFICE

AJV-A422

DATE

TITLE

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:
- REMARKS: ADDED REMARK TITLE "WAIVER REFERENCE HEADER: TO WAIVERS NOTE.
 - 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".
 - 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".
 - 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)".
 - REMARKS: ADDED "ATC FACILITY OPERATING RESTRICTION:" TO DP RESTRICTIONS FOR ATC FACILITIES NOTE.
 - 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.
 - 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>
SNUPE		ONE		SNUPE1.SNUPE		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>
PNUTZ	444031.57N/0923852.37W	Y	-	IF	-	-	AT/ABOVE 4000		
SNUPE	443422.40N/0922539.26W	Y	FB	TF	123.02	11.27			
SNUPE	443422.40N/0922539.26W	Y	-	IF	-	-			SNUPE1.DLL
WDSTK	443028.61N/0921524.23W	Y	FB	TF	117.93	8.30			
DLL VORTAC	433303.01N/0894549.04W	Y	FB	TF	117.15	122.24			

