

MINNEAPOLIS DEP CON	121.2	284.7
ATIS	118.35	
CLNC DEL	121.675	
ST. PAUL TOWER ★	119.1	257.8

TOP ALTITUDE:
(JETS) 7000/
(PROPS) 5000

MINNEAPOLIS
115.3 MSP 
Chan 100

HALFWAY
111.2 FOW 
Chan 49

ROCHESTER
112.0 RST
Chan 57

NODINE
117.9 ODI 
Chan 126

TAKEOFF MINIMUMS

Rwy 9: Standard with minimum climb of 340' per NM to 1300.
 Rwy 13: Standard with minimum climb of 235' per NM to 1500.
 Rwy 14: Standard.
 Rwy 27: Standard with minimum climb of 442' per NM to 1500.
 Rwy 31: NA - Obstacles.
 Rwy 32: Standard with minimum climb of 340' per NM to 3000.

NOTE: RADAR required.

NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

NC-1, 27 NOV 2025 to 25 DEC 2025



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb heading 091° to 1400 for RADAR vectors to MSP VOR/DME then on MSP R-138 to cross JEDET INT/MSP 34 DME, at or above 4000; then on ODI R-301 to ZMBRO INT/ODI 50 DME, thence

TAKEOFF RUNWAY 13: Climb heading 128° to 1300 for RADAR vectors to MSP VOR/DME then on MSP R-138 to cross JEDET INT/MSP 34 DME, at or above 4000; then on ODI R-301 to ZMBRO INT/ODI 50 DME, thence

TAKEOFF RUNWAY 14: Climb heading 146° to 1400 for RADAR vectors to MSP VOR/DME then on MSP R-138 to cross JEDET INT/MSP 34 DME, at or above 4000; then on ODI R-301 to ZMBRO INT/ODI 50 DME, thence

TAKEOFF RUNWAY 27: Climb heading 271° to 1700 for RADAR vectors to MSP VOR/DME then on MSP R-138 to cross JEDET INT/MSP 34 DME, at or above 4000; then on ODI R-301 to ZMBRO INT/ODI 50 DME, thence

TAKEOFF RUNWAY 32: Climb heading 326° to 1400 for RADAR vectors to MSP VOR/DME then on MSP R-138 to cross JEDET INT/MSP 34 DME, at or above 4000; then on ODI R-301 to ZMBRO INT/ODI 50 DME, thence

. . . .on assigned transition or route. Expect clearance to filed altitude/flight level 10 (ten) minutes after departure.

NODINE TRANSITION (ZMBRO7.ODI): From over ZMBRO on ODI R-301 to ODI VORTAC.