

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

NOTE: RADAR required.
 NOTE: Chart not to scale.

(CONTINUED ON FOLLOWING PAGE)

NC-1, 11 JUL 2024 to 08 AUG 2024

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

MINNEAPOLIS
 115.3 MSP
 Chan 100

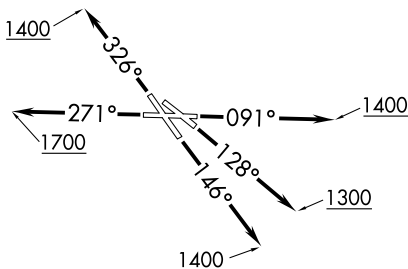
HALFWAY
 111.2 FOW
 Chan 49

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.

ROCHESTER
 112.0 RST
 Chan 57

NODINE
 117.9 ODI
 Chan 126





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.