TOP ALTITUDE: ASSIGNED BY ATC

RNAV 1- DME/DME/IRU or GPS required.
RADAR required.

MINNEAPOLIS DEP CON 121.2 335.65
ATIS 118.35
CLNC DEL 121.675
GND CON 121.675
ST PAUL TOWER ★ 119.1 257.8

TAKEOFF MINIMUMS
Rwy 31: NA-Airport restrictions.
Rwy 9: 400-2 with minumum climb of 280'/NM to 1500 or standard with minimum climb of 310'/NM to 1400.
Rwy 13: Standard with minimum climb of 270'/NM to 1500.
Rwy 14: Standard with minimum climb of 220'/NM to 2500.
Rwy 27: Standard with minimum climb of 380'/NM to 1000.
Rwy 32: Standard with minimum climb of 350'/NM to 2500.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 9, 13, 14: Climb on assigned heading for vectors to cross PNUTZ at or above 4000, thence. . .
TAKEOFF RUNWAY 27: Climb on heading 271° to 1700 for vectors to cross PNUTZ at or above 4000, thence. . .
TAKEOFF RUNWAY 32: Climb on heading 326° to 1400 for vectors to cross PNUTZ at or above 4000, thence. . .

. . .on depicted route to SNUPE, then on transition. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

DELLS TRANSITION (SNUPE1.DLL)