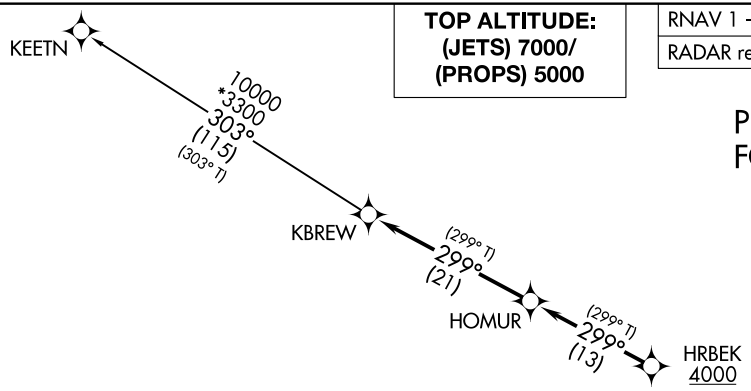
TOP ALTITUDE:
(JETS) 7000/
(PROPS) 5000

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

RADAR required.

PROTOTYPE: NOT FOR NAVIGATION

MINNEAPOLIS DEP CON
SOUTH/EAST 124.7 335.65
NORTH/WEST 125.75 335.65
D-ATIS DEP
120.8
CLNC DEL
133.2
GND CON
121.8 348.6 (N)
121.9 348.6 (S)
127.925 348.6 (W)
MINNEAPOLIS TOWER
123.95 273.55 (12L-30R)
126.7 273.55 (12R-30L, 4-22)
123.675 273.55 (17-35)



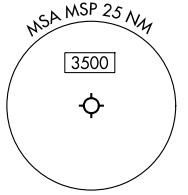
DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for vectors to HRBEK at or above 4000, then on depicted route to KBREW, then on transition. Maintain (JETS) 7000/(PROPS) 5000, expect filed altitude 10 minutes after depature.

ALL AIRCRAFT: ATC climb gradients: If unable to accept climb gradients advise ATC prior to taxi.
RUNWAY 12L/R: 495′/NM to 3500.
RUNWAY 17: 470′/NM to 3500.
RUNWAY 30L: 455′/NM to 4000.
RUNWAY 30R: 430′/NM to 4000.
RUNWAY 35: 445′/NM to 4000

KEETN TRANSITION (KBREW1.KEETN)

TAKEOFF MINIMUMS
Rwys 12L/R, 17, 22: Standard.
Rwys 4, 30L/R, 35: Standard with minimum climb of 220′/NM to 2000.



NOTE: Chart not to scale.

(KBREW1.KBREW) FIG
KBREW ONE DEPARTURE (RNAV)
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)
MINNEAPOLIS, MINNESOTA