MINNEAPOLIS

MSP

D-ATIS DEP 120.8 CLNC DEL 133.2 CPDLC MINNEAPOLIS TOWER

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

123.95 273.55 (12L-30R) 126.7 273.55 (12R-30L, 4-22) 123.675 273.55 (17-35) MINNEAPOLIS DEP CON SOUTH/EAST 124.7 335.65 NORTH/WEST 125.75 335.65

Rwy 17 (For assigned 230° CW 285°) 3500 Rwy 30L/R (For assigned 220° CW 360°) 3500

TONCA

BOTNE

Rwy 12L/R (For assigned 060° CW 100°) 3500 2100

(139)(14)

KUUGL

6000

NOTE: DME/DME/IRU or GPS required.

NOTE: RNAV 1.

NOTE: RADAR required.

273°

NOTE: For non-GPS equipped aircraft, GEP, RWF, FSD, ATY, and HON must be operational.

TAKEOFF MINIMUMS

Rwys 4, 12R, 17, 22, 30L/R: Standard.

Rwy 12L: 300-1 ½ or standard with minimum climb of 207' per NM to 1100, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1300' prior to DER. Rwy 35: Standard with minimum climb of 219' per NM to 2100.

NOTE: Chart not to scale.

16 MAY 2024

ਰ

13 JUN 2024

LEINY

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climb heading 045° to 2100. Thence

TAKEOFF RUNWAYS 12L/R: For assigned headings from 060° clockwise to 100°, cross MSP VOR/DME 7 DME Arc at or above 3500, maintain assigned altitude. If unable to comply, advise ATC as soon as possible prior to departure. Thence

TAKEOFF RUNWAY 17: For assigned headings from 230° clockwise to 285°, cross MSP VOR/DME 7 DME Arc at or above 3500, maintain assigned altitude. If unable to comply, advise ATC as soon as possible prior to departure. Thence . . .

TAKEOFF RUNWAYS 22, 35: Climb on assigned heading for RADAR vectors. Thence

TAKEOFF RUNWAYS 30L/R: For assigned headings from 220° clockwise to 360°, cross MSP VOR/DME 7 DME Arc at or above 3500, maintain assigned altitude. If unable to comply, advise ATC as soon as possible prior to departure. Thence

. . . . expect RADAR vectors to TONCA, then on track 274° to BOTNE, then on track 274° to cross KUUGL at or above 6000, then on track 273° to LEINY. Turbojet aircraft maintain 7000 or lower assigned altitude, all other aircraft maintain 5000 or lower assigned altitude until BOTNE. Expect filed altitude/flight level ten minutes after departure.