



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 9: Climb heading 088° to 1400 for radar vectors to MSP VOR/DME, then via MSP VOR/DME R-232 to SCHEP INT/MSP 66 DME, Thence

TAKE-OFF RUNWAY 13: Climb heading 125° to 1300 for radar vectors to MSP VOR/DME then via MSP R-232 to SCHEP INT/MSP 66 DME, Thence

TAKE-OFF RUNWAY 14: Climb heading 143° to 1400 for radar vectors to MSP VOR/DME then via MSP R-232 to SCHEP INT/MSP 66 DME, Thence

TAKE-OFF RUNWAY 27: Climb heading 268° to 1700 for radar vectors to MSP VOR/DME then via MSP R-232 to SCHEP INT/MSP 66 DME, Thence

TAKE-OFF RUNWAY 32: Climb heading 323° to 1400 for radar vectors to MSP VOR/DME then via MSP R-232 to SCHEP INT/MSP 66 DME, Thence

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

O'NEILL TRANSITION (SCHEP5.ONL): From over SCHEP INT via MSP R-232 and OTG R-045 to OTG VOR/DME, then via OTG R-236 and ONL R-052 to ONL VORTAC.

WOLBACH TRANSITION (SCHEP5.OBH): From over SCHEP INT via MSP R-232 and OTG R-045 to OTG VOR/DME, then via OTG R-215 and OBH R-034 to OBH VORTAC.

TAKEOFF OBSTACLE NOTES:

- Rwy 9: Mobile crane 1362' from DER, 124' left of centerline, 68' AGL/758' MSL. Trees and a silo 1464' from DER, 178' right of centerline, up to 116' AGL/816' MSL. Trees and pole beginning 1.1 NM from DER, left and right of centerline, up to 100' AGL/1099' MSL.
- Rwy 13: Tree and a tower beginning 1125' from DER, 609' left of centerline, up to 67' AGL/767' MSL. Tree, pole, vent on building, stacks, and OL on stack beginning 1672' from DER, 55' right of centerline, up to 120' AGL/820' MSL. Trees beginning 1.9 NM from DER, 2938' left of centerline, up to 100' AGL/1020' MSL.
- Rwy 14: Trees, OL on DME antenna, and pole beginning 290' from DER, 1' right of centerline, up to 129' AGL/819' MSL. Trees and pole beginning 1099' from DER, 6' left of centerline, up to 87' AGL/777' MSL.
- Rwy 27: Trees, light pole, and flagpole beginning 617' from DER, 198' left of centerline, up to 119' AGL/829' MSL. OL on antenna, buildings, tower, and a tree beginning 810' from DER, 26' right of centerline, up to 165' AGL/955' MSL. Trees and a building beginning 3886' from DER, 120' left of centerline, up to 84' AGL/1014' MSL. Tower 1.7 NM from DER, 633' left of centerline, 569' AGL/1279' MSL.
- Rwy 32: Vehicle on road, trees, railroad, poles and navaid beginning 179' from DER, 267' right of centerline, up to 58' AGL/758' MSL. Vehicle on road, railroad, and trees beginning 192' from DER, up to 59' AGL/759' MSL. Navaid 257' from DER, on centerline, 26' AGL/726' MSL. Trees, poles, buildings, and a tower beginning 3674' from DER, 616' right of centerline, up to 157' AGL/973' MSL. Trees, buildings, tower, sign, and stack beginning 1924' from DER, 378' left of centerline, up to 143' AGL/969' MSL.

NC-1, 07 FEB 2013 to 07 MAR 2013

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