

ZMBRO SEVEN DEPARTURE
(ZMBRO7.ZMBRO) 17AUG17

ST. PAUL, MINNESOTA
ST PAUL DOWNTOWN HOLMAN FLD (STP)

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

MINNEAPOLIS
115.3 MSP
Chan 100

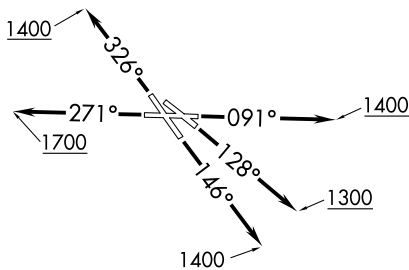
HALFWAY
111.2 FOW
Chan 49

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



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

ZMBRO7.ZMBRO) 23334
ZMBRO SEVEN DEPARTURE

AL-263 (FAA)

ST PAUL DOWNTOWN HOLMAN FLD (STP)
ST. PAUL, MINNESOTA

(CONTINUED ON FOLLOWING PAGE)

NOTE: RADAR required.

NOTE: Chart not to scale.



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.

NC-1, 28 NOV 2024 to 26 DEC 2024

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