HRMNS FIVE DEPARTURE (RNAV) AL-330 (FAA) PORTLAND, OREGON TOP ALTITUDE: D-ATIS 128.35 269.9 ASSIGNED BY ATC CLNC DEL 120.125 318.1 **WANOS** KELYY **CPDLC** 250K GND CON 121.9 348.6 (6) **PEGTY** PORTLAND TOWER 118.7 257.8 (Rwy 10L-28R) 123.775 251.125 (Rwys 3-21, 10R-28L) PORTLAND DEP CON 118.1 284.6 (100°-279°) 124.35 299.2 (280°-099°) **RIVRR** 08გი COSUG **TOSEH** (6) 540 NOTE: Turbojet aircraft only. NOTE: RADAR required for non-GPS equipped aircraft. LEZLI NOTE: RNAV 1. NOTE: DME/DME/IRU or GPS required. NOTE: For non-GPS equipped aircraft departing Rwys 28L/R, BTG DME must be operational. **TAKEOFF MINIMUMS** Rwys 3, 21: NA - Air traffic. Rwys 10L/R: Standard with minimum climb of 500' per NM to 540, then minimum

climb of 350' per NM to 3400.

Rwys 28L/R: Standard with minimum climb of 500' per NM to 540, then minimum climb of 350' per NM to 2500.

NOTE: Chart not to scale.

## V

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 10L/R: Climb heading 103° to 540, then direct to RIVRR, then on depicted route to HRMNS, thence. . . .

TAKEOFF RUNWAY 28L: Climb heading 283° to 540, then direct PEGTY, then on depicted route to HRMNS, thence. . . .

TAKEOFF RUNWAY 28R: Climb heading 283°, intercept course 268° to PEGTY, then on depicted route to HRMNS, thence. . . .

. . . maintain assigned altitude, expect filed altitude 10 minutes after departure.

 $\triangle$  HRMNS

vW-1, 13 JUN 2024 to 11 JUL 2024