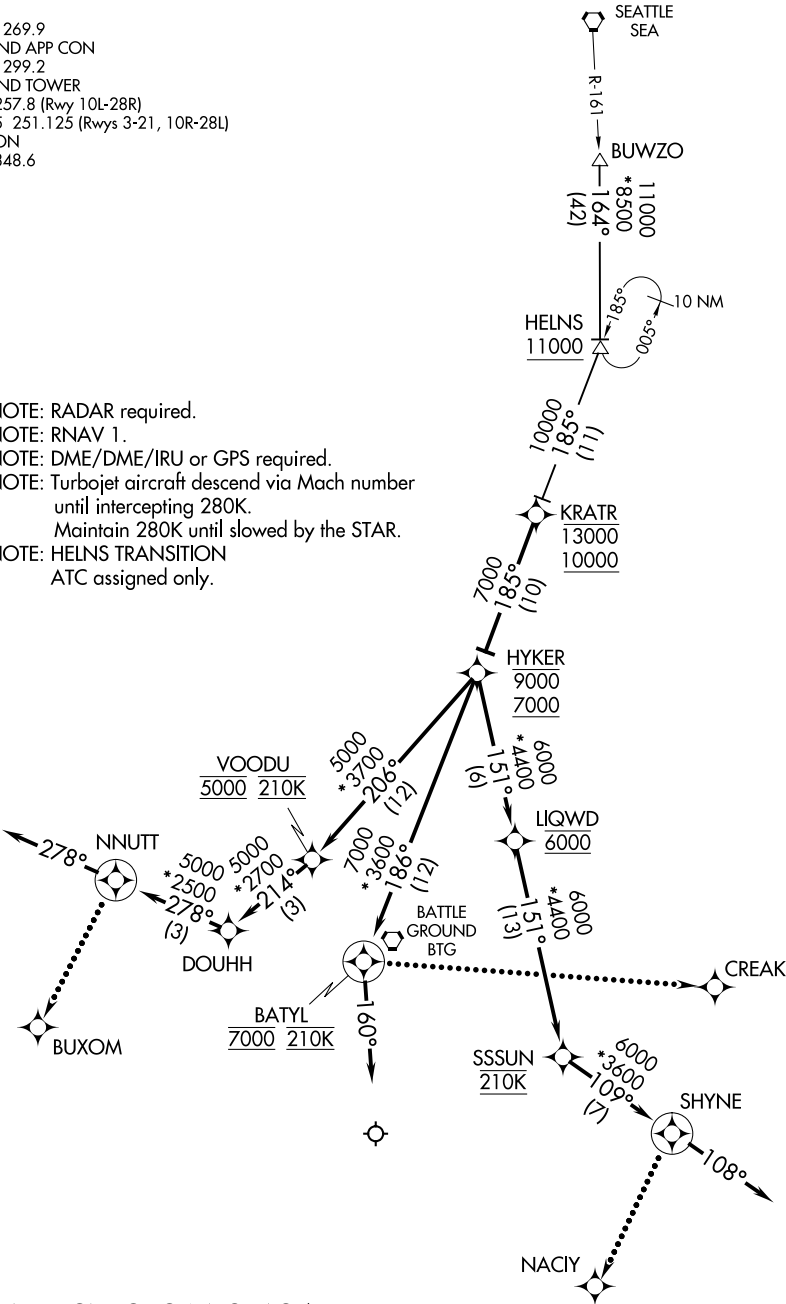


D-ATIS
128.35 269.9
PORTLAND APP CON
124.35 299.2
PORTLAND TOWER
118.7 257.8 (Rwy 10L-28R)
123.775 251.125 (Rwys 3-21, 10R-28L)
GND CON
121.9 348.6

- NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft descend via Mach number until intercepting 280K.
Maintain 280K until slowed by the STAR.
NOTE: HELNS TRANSITION
ATC assigned only.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

BUWZO TRANSITION (BUWZO.KRATR2)
HELNS TRANSITION (HELNS.KRATR2):

From KRATR on track 185° to cross HYKER between 7000 and 9000. Thence. . .

LANDING RUNWAYS 10L/R: From HYKER on track 206° to cross VOODU at 5000 and at 210K, then on track 214° to DOUHH, then on track 278° to NNUTT, then on track 278°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 21: From HYKER on track 186° to cross BATYL at 7000 and at 210K, then on track 160°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 28L/R: From HYKER on track 151° to cross LIQWD at 6000, then on track 151° to cross SSSUN at 210K, then on track 109° to SHYNE, then on track 108°. Expect RADAR vectors to final approach course.

LOST COMMUNICATIONS:
LANDING RUNWAYS 10L/R: At NNUTT, turn left direct to BUXOM and execute ILS RWY 10L approach.
LANDING RUNWAY 21: At BATYL turn left direct to CREAK and execute LOC/DME RWY 21 approach.
LANDING RUNWAYS 28L/R: At SHYNE, turn right direct to NACIY and execute ILS RWY 28R approach.