

ILS or LOC RWY 12

PORTLAND-HILLSBORO (HIO)

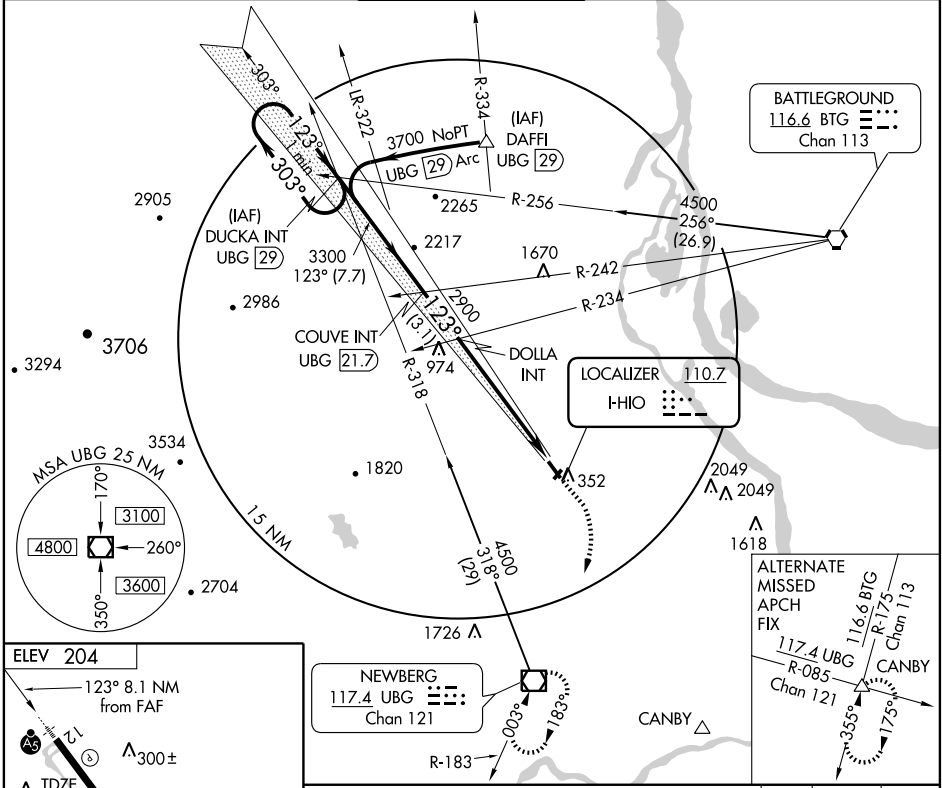
| | | |
|---------------------------|------------------------|------------------------|
| LOC I-HIO 110.7 | APP CRS 123° | Rwy Idg 6600 |
| | | TDZE 199 |
| | | Apt Elev 204 |

⚠ DUCKA INT requires UBG VOR/DME and BTG VORTAC. If local altimeter setting not received, use Portland Intl altimeter setting and increase all DAs/MDAs 60 feet.

⚠ MALSR

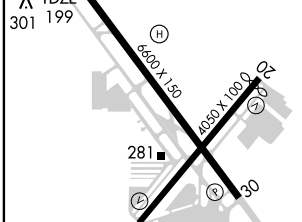
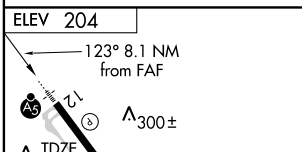
MISSED APPROACH: Climb to 1000 then climbing right turn to 3000 direct UBG VOR/DME and hold.

| | | | | |
|-----------------------|--|---|-------------------------|-------------------------|
| ATIS 127.65 | PORTLAND APP CON 126.0 284.6 | HILLSBORO TOWER★ 119.3 (CTAF) 239.3 | GND CON 121.7 | UNICOM 122.95 |
|-----------------------|--|---|-------------------------|-------------------------|



NW-1, 19 NOV 2009 to 17 DEC 2009

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| | | | | | |
|-------------------|------|------|------|------|------|
| FAF to MAP 8.1 NM | | | | | |
| Knots | 60 | 90 | 120 | 150 | 180 |
| Min:Sec | 8:06 | 5:24 | 4:03 | 3:14 | 2:42 |

| | | |
|---------------------------------------|------|-------|
| 1000 | 3000 | UBG |
| ↑ | ↷ | 117.4 |
| VGS and ILS glidepath not coincident. | | |

| | | | | |
|----------|-----------------------|-----------------------|-----------------------|-----------------------|
| CATEGORY | A | B | C | D |
| S-ILS 12 | 399-½ 200 (200-½) | | | |
| S-LOC 12 | 1140-¾ 941 (1000-¾) | 1140-2¼ 941 (1000-2¼) | 1140-2½ 941 (1000-2½) | 1140-2½ 941 (1000-2½) |
| CIRCLING | 1140-1¼ 936 (1000-1¼) | 1140-2¾ 936 (1000-2¾) | 1140-3 936 (1000-3) | 1140-3 936 (1000-3) |