

ILS or LOC RWY 28L  
PORTLAND INTL (PDX)

**MISSED APPROACH:** Climb to 2100 then climbing left turn to 4000 on UBG R-360 to UBG VOR/DME and hold.

[illegible]

Diagram illustrating an alternate missed approach fix. The path shows a turn of 194 degrees and a subsequent turn of 014 degrees. Key labels include 116.6 BTG, R-194, Chan 113, ENDZZ, and BTG 23.

Procedure NA for arrivals at MAVER  
on V448 southbound and  
on V165 eastbound.

Diagram illustrating a flight path with various navigation aids and distance markers:

- Navigation Aids and Symbols:**
  - 2100:** Upward arrow symbol.
  - 4000:** Curved arrow symbol.
  - UBG R-360:** Box with a circle and crosshair.
  - UBG:** Box with a circle and crosshair.
- Text Labels:**
  - VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 72):** Located at the top right.
  - HPSTR I-JMU 13.2:** Located at the top right.
  - ADDUM I-JMU 5.8:** Located above the path.
  - HANAH I-JMU 8.8:** Located above the path.
  - YINUP I-JMU 3.6:** Located above the path.
  - I-JMU DME ANTENNA:** Located on the left side of the path.
  - I-JMU 0.2:** Located on the left side of the path.
  - I-JMU 1:** Located on the left side of the path.
  - 2000:** Distance marker on the path.
  - 2900:** Distance marker on the path.
  - 3700:** Distance marker on the path.
  - GS 3.00° TCH 55:** Located at the bottom right.
- Path and Angles:**
  - The path is a straight line segment.
  - The angle of the path is **283°**.
  - The path is labeled **1280\*** and **2000**.
- Distance Markers:**
  - 1.2 NM:** From the start to the I-JMU 0.2 antenna.
  - 2.6 NM:** From the I-JMU 0.2 antenna to the I-JMU 1 antenna.
  - 2.2 NM:** From the I-JMU 1 antenna to the 2000 marker.
  - 3 NM:** From the 2000 marker to the 2900 marker.
  - 4.4 NM:** From the 2900 marker to the 3700 marker.

| CATEGORY                                                                                     | A                    | B                    | C      | D             | E                       |
|----------------------------------------------------------------------------------------------|----------------------|----------------------|--------|---------------|-------------------------|
| S-ILS 28L                                                                                    | 306/24 283 (300-½)   |                      |        |               |                         |
| S-LOC 28L                                                                                    | 480/24               | 457 (500-½)          | 480/45 | 457 (500-¾)   |                         |
|  CIRCLING | 720-1<br>689 (700-1) | 760-1<br>729 (800-1) | 1060-3 | 1029 (1100-3) | 1140-3<br>1109 (1200-3) |

| FAF to MAP 6 NM |      |      |      |      |      |
|-----------------|------|------|------|------|------|
| Knots           | 60   | 90   | 120  | 150  | 180  |
| Min:Sec         | 6:00 | 4:00 | 3:00 | 2:24 | 2:00 |