

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.

**BATTLE GROUND**  
116.6 BTG  
Chan 113

**LOCALIZER** 110.5  
I-JMJ  
Chan 42

**YINUP**  
I-JMJ 3.6  
RADAR

**ADDUM**  
I-JMJ 5.8  
RADAR

**HANAH**  
I-JMJ 8.8  
RADAR

**HPSTR**  
(IF)  
I-JMJ 13.2  
RADAR

**REED**  
(IAF)  
3700 254° (5.3)

**SHAFR**  
(IAF)  
6700 210K  
(RNAV 1-GPS REQD)

**MSA** BTG 25 NM  
120°  
3400  
6000

**MISSED APCH FIX**  
R-183-000°  
NEWBERG UBG  
117.4  
Chan 121

**ALTERNATE MISSED**

**323 A**  
283°  
(3)

**283°**  
(4.4)

**3700**  
357°  
(14.7)

**103°**

**5700**  
219°  
(7.3)

**3000**  
2000  
1000

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