

**ILS RWY 12R (CAT II & III)**  
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

|                                                                                   |                                                                                                                                                                                                |               |                                                                                   |                                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  | <p>DME or RADAR required. Simultaneous approach authorized with Rwy 12L. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.</p> | <p>ALSf-2</p> |  | <p>MISSED APPROACH: Climb to 1300 then climbing right turn to 3000 direct FGT VORTAC and hold.</p> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

**MINNEAPOLIS**  
115.3 MSP Chan 100

**LOCALIZER** 110.3  
I-HKZ Chan 40

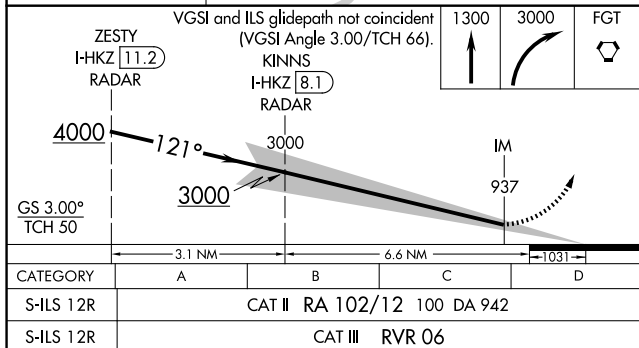
**MISSED APCH FIX**  
**FARMINGTON**  
FGR 115.7  
Chan 104  
R-178-358° 178°

**ALTERNATE MISSED APCH FIX**  
**FLYING CLOUD**  
FCM 117.7  
Chan 124  
R-265-085° 265°

**FLYING CLOUD**  
117.7 FCM Chan 124

**Waypoints and Radar:**  
 (IAF) PAETN  
 I-HKZ 20.6  
 RADAR (RADAR REQD)  
 301°  
 6000  
 (3.1)  
 UTHNK  
 I-HKZ 17.5  
 RADAR  
 5000  
 (3.1)  
 WAYZA  
 I-HKZ 14.4  
 RADAR  
 4000  
 121° (3.1)  
 3000  
 121° (3.1)  
 (IF)  
 ZESTY  
 I-HKZ 11.2  
 RADAR  
 KINNS  
 I-HKZ 8.1  
 RADAR  
 IM  
 94°

**Other:**  
 EFEXX  
 6000  
 045°  
 (4.9)  
 (IAF) KRUGG  
 7000 210K  
 (RNAV 1-GPS REQD)  
 ELEV 842 **D** TDZE 842



CATEGORY II & III ILS - SPECIAL AIRCREW  
& AIRCRAFT CERTIFICATION REQUIRED

