

LOC/DME I-PJL	APP CRS	Rwy Idg	7620
110.7	121°	TDZE	841
Chan 44		Apt Elev	842

ILS RWY 12L (CAT II & III)

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

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Simultaneous approach authorized with Rwy 12R.
CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC,
or LOA approval and use of autoland or HUD to touchdown.
DME or RADAR required.

ALSF-2

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MISSED APPROACH: Climb to 1300, then
climbing left turn to 3000 on MSP VOR/DME
R-096 to KANAC INT/MSP 13.1 DME and hold.

D-ATIS	MINNEAPOLIS APP CON	MINNEAPOLIS TOWER	GND CON	CLNC DEL
ARR 135.35 239.275	118.725 335.65 (Rwy 35)	123.675 273.55 (17-35)	N 121.8 348.6	133.2
DEP 120.8	119.3 335.65 (12L-30R, 4-22, 17)	123.95 273.55 (12L-30R)	S 121.9 348.6	
	126.95 335.65 (12R-30L)	126.7 273.55 (12R-30L, 4-22)	W 127.925 348.6	

The main diagram illustrates the ILS for Runway 12L. It shows the glide path starting from the IM (Inner Marker) at 938 feet and climbing to 3000 feet. Key features include:

- Missed Approach:** A climb to 1300 feet, followed by a climbing left turn to 3000 feet on the MSP VOR/DME R-096 to KANAC INT/MSP 13.1 DME and hold.
- Navigation Aids:** Various navigational aids are shown, including the IAF (Initial Approach Fix) at 5000 feet, the SHUT (Step Down Fix) at 4000 feet, and the IM (Inner Marker) at 938 feet.
- Obstacles:** Obstacles are marked with their MSL (Mean Sea Level) and AGL (Above Ground Level) heights, such as 2438, 1743, 1290, 1158, 978, 1121, 1043, 1192, 1101, 952, and 950.
- Communication:** Frequencies for D-ATIS, APP CON, TOWER, GND CON, and CLNC DEL are provided.

This diagram provides a detailed view of the missed approach and glide path. It shows the glide path starting from the IM (Inner Marker) at 938 feet and climbing to 3000 feet. Key features include:

- Missed Approach:** A climb to 1300 feet, followed by a climbing left turn to 3000 feet on the MSP VOR/DME R-096 to KANAC INT/MSP 13.1 DME and hold.
- Navigation Aids:** Various navigational aids are shown, including the IAF (Initial Approach Fix) at 5000 feet, the SHUT (Step Down Fix) at 4000 feet, and the IM (Inner Marker) at 938 feet.
- Obstacles:** Obstacles are marked with their MSL (Mean Sea Level) and AGL (Above Ground Level) heights, such as 2438, 1743, 1290, 1158, 978, 1121, 1043, 1192, 1101, 952, and 950.
- Communication:** Frequencies for D-ATIS, APP CON, TOWER, GND CON, and CLNC DEL are provided.

ELEV 842	D	TDZE 841
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This diagram shows the ILS RWY 12L (CAT II & III) with the glide path and missed approach. It includes the following details:

- GLIDE PATH:** 3.00° TCH 52
- MISSED APPROACH:** Climb to 1300, then climbing left turn to 3000 on MSP VOR/DME R-096 to KANAC INT/MSP 13.1 DME and hold.
- Obstacles:** Various obstacles are marked with their MSL and AGL heights.
- Communication:** Frequencies for D-ATIS, APP CON, TOWER, GND CON, and CLNC DEL are provided.

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

HIRL all Rwys
REIL Rwy 17
TDZ/CL Rwys 12L, 12R, 30L, and 35

MINNEAPOLIS, MINNESOTA
Amdt 11 05JAN17

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)
44°53'N-93°13'W

ILS RWY 12L (CAT II & III)