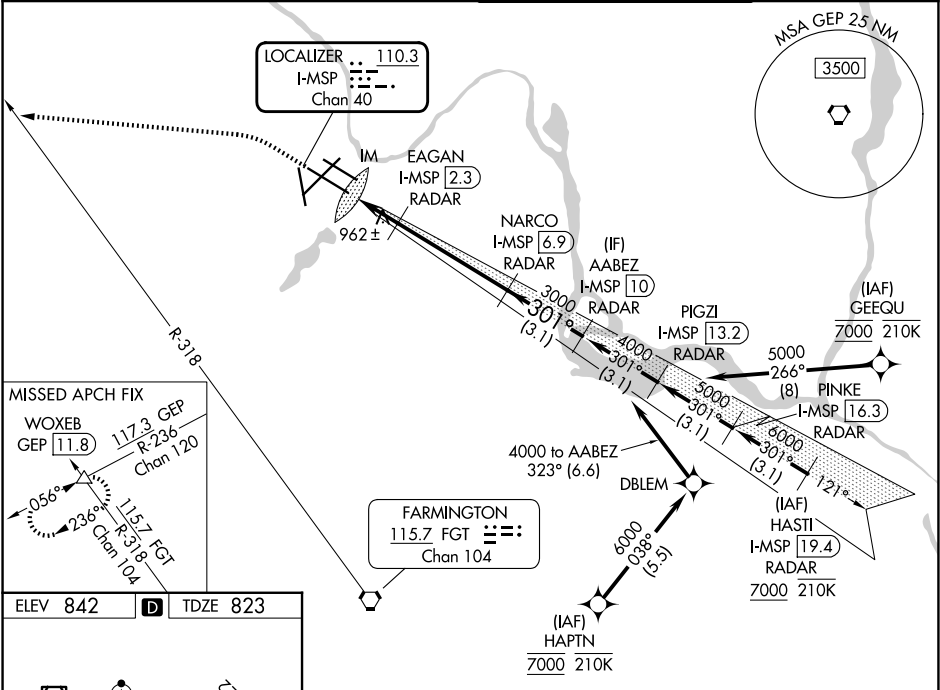


LOC/DME I-MSP 110.3 Chan 40	APP CRS 301°	Rwy Ldg 10000 TDZE 823 Apt Elev 842
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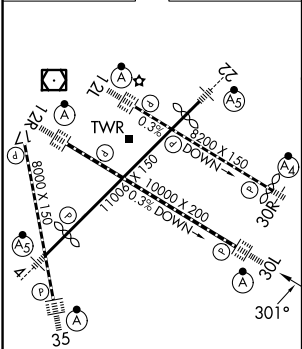
ILS or LOC RWY 30L
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

RNP APCH - GPS. From GEEQU or HAPTIN. DME or RADAR required.	ALSF-2 	MISSED APPROACH: Climb to 1300 then climbing left turn to 3000 on heading 275° and on FGT VOR/DME R-318 to WOXEB INT/GEF VORTAC 11.8 DME and hold.
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D-ATIS 135.35 239.275	MINNEAPOLIS APP CON 118.725 335.65 (35) 119.3 335.65 (4-22, 12L-30R, 17) 126.95 335.65 (12R-30L)	MINNEAPOLIS TOWER 123.675 273.55 (17-35) 123.95 273.55 (12L-30R) 126.7 273.55 (4-22, 12R-30L)	GND CON 121.8 348.6 (N) 121.9 348.6 (S) 127.925 348.6 (W)
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ELEV 842	D	TDZE 823
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HIRL all rwys REIL Rwy 17 TDZL/RCLS Rwys 12L, 12R, 30L, and 35 FAF to MAP 6.7 NM	Knots	60	90	120	150	180
Min:Sec	6:42	4:28	3:21	2:41	2:14	

1300 ↑ hdg 275°	3000 FGT R-318	WOXEB △	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 78).	AABEZ I-MSP 10 RADAR
I-MSP 0.2	I-MSP 1.2	EAGAN I-MSP 2.3 RADAR	NARCO I-MSP 6.9 RADAR	3000 301° 4000
IM	1520	3000	301° 3000	GS 3.00° TCH 55
0.2	0.8 NM	1.1 NM	4.6 NM	3.1 NM
CATEGORY	A	B	C	D
S-ILS 30L	1023/18 200 (200-½)			
S-LOC 30L	1220/24 397 (400-½)		1220/35 397 (400-¾)	
CIRCLING	1360-1 518 (600-1)		1460-1¾ 618 (700-1¾)	
			1620-2½ 778 (800-2½)	