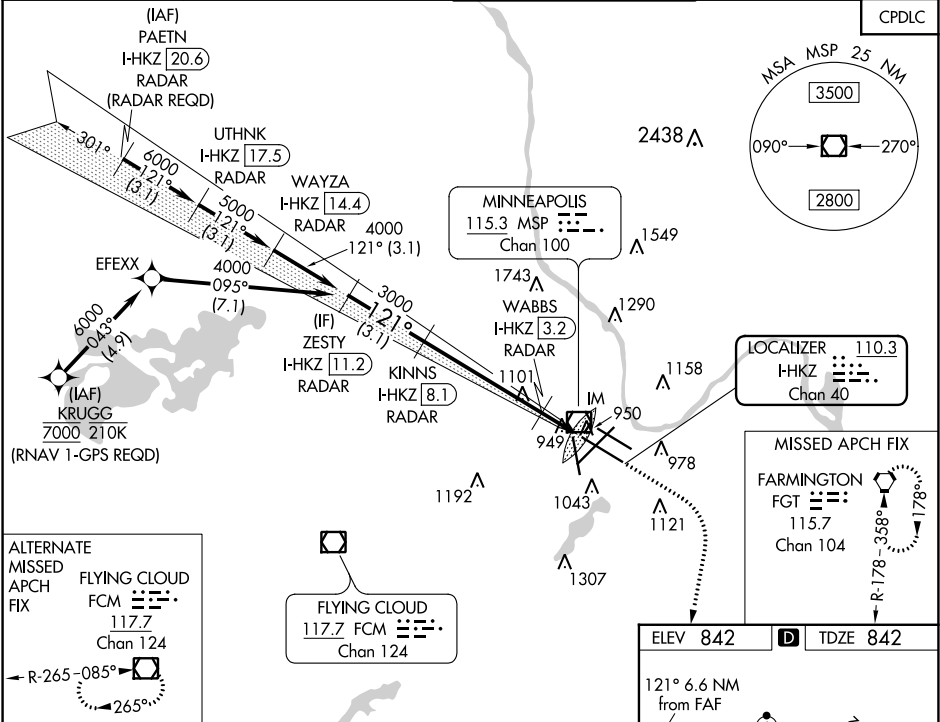


LOC/DME I-HKZ	APP CRS	Rwy Idg
110.3	121°	10000
Chan 40		TDZE 842
		Apt Elev 842

ILS or LOC RWY 12R
MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (MSP)

⚠ DME or RADAR required. For inop ALS, increase S-ILS 12R Cat E visibility to RVR 4000, and S-LOC 12R Cat E visibility to RVR 6000. Simultaneous approach authorized with Rwy 12L.	ALSF-2	MISSED APPROACH: Climb to 1300 then climbing right turn to 3000 direct FGT VORTAC and hold.
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D-ATIS	MINNEAPOLIS APP CON	MINNEAPOLIS TOWER	GND CON	CINC 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	



ALTERNATE MISSED APCH FIX	FLYING CLOUD FCM	117.7 Chan 124	← R-265 -085°	← R-265 -085°
VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 66).				
ZESTY I-HKZ [11.2] RADAR	KINNS I-HKZ [8.1] RADAR	WABBS I-HKZ [3.2] RADAR	IM	1300 3000 FGT
*LOC only				
GS 3.00° TCH 50				
*1420				
3.1 NM 4.9 NM 0.7 NM 0.9 NM 0.1				
CATEGORY	A	B	C	D E
S-ILS 12R	1042/18 200 (200-½)			
S-LOC 12R	1240/24 398 (400-½)	1240/35 398 (400-¾)		
CIRCLING	1360-1 518 (600-1)	1460-1¾ 618 (700-1¾)	1660-2¾ 818 (900-2¾)	1800-3 958 (1000-3)
HIRL all Rwys REIL Rwy 17 TDZ/CL Rwy 12L, 12R, 30L, and 35 FAF to MAP 6.6 NM				
Knots 60 90 120 150 180 Min:Sec 6:36 4:24 3:18 2:38 2:12				

ILS or LOC RWY 12R

NC-1, 18 MAY 2023 to 15 JUN 2023

NC-1, 18 MAY 2023 to 15 JUN 2023