ILS or LOC RWY 9
DULUTH INTL (DLH)

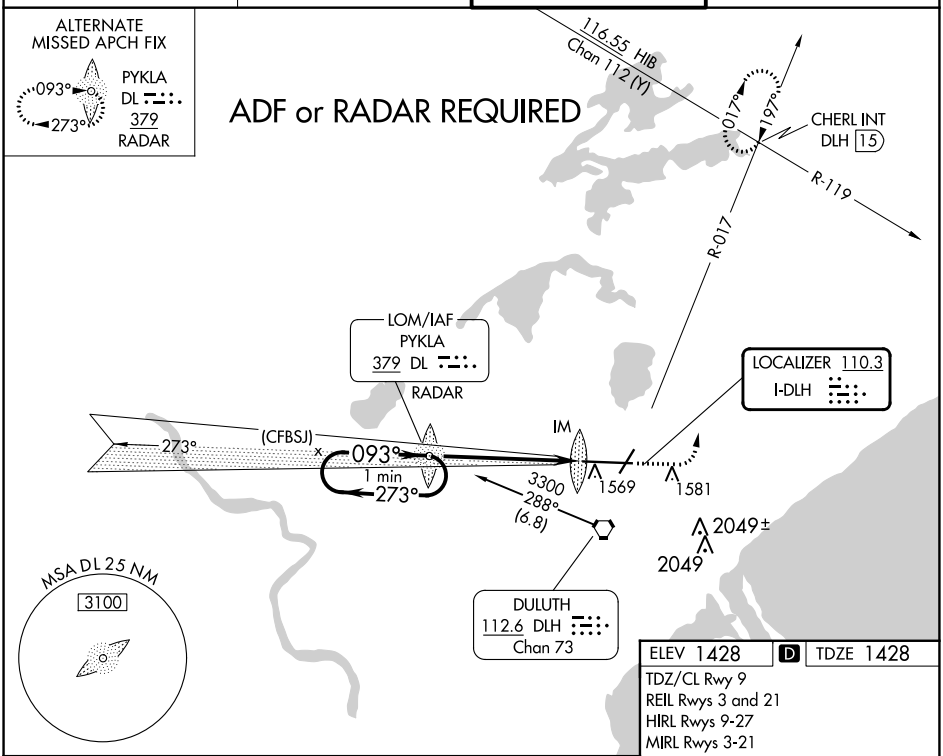
LOC I-DLH	APP CRS	Rwy ldg	10062
110.3	093°	TDZE	1428
		Apt Elev	1428

T A ASR — Circling NA for Cat E southeast of Rwy 3-27. ADF or RADAR required. For inop ALS, increase S-ILS 9 Cat E visibility to RVR 4000 and S-LOC 9 Cat C/D/E visibility to 1½ SM.

ALSF-2

MISSED APPROACH: Climb to 3000 then climbing left turn to 4500 on heading 320° and on DLH VORTAC R-017 to CHERL INT/DLH 15 DME and hold.

ATIS	DULUTH APP CON	DULUTH TOWER	GND CON
124.1 270.1	125.45 233.7	118.3 257.8	121.9 348.6

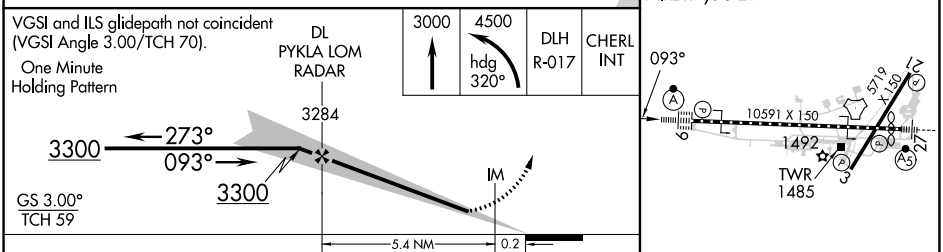


ELEV 1428	D	TDZE 1428

TDZ/CL Rwy 9
REIL Rwys 3 and 21
HIRL Rwys 9-27
MIRL Rwys 3-21

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).

One Minute Holding Pattern



CATEGORY	A	B	C	D	E
S-ILS 9	1628/18 200 (200-½)				
S-LOC 9	1960/24 532 (600-½)		1960/55 532 (600-1)		
C CIRCLING	1960-1 532 (600-1)		1960-1½ 532 (600-1½)	2400-3 972 (1000-3)	

FAF to MAP 5.6 NM					
Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

NC-1, 11 JUL 2024 to 08 AUG 2024
NC-1, 11 JUL 2024 to 08 AUG 2024