

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

ILS or LOC RWY 9

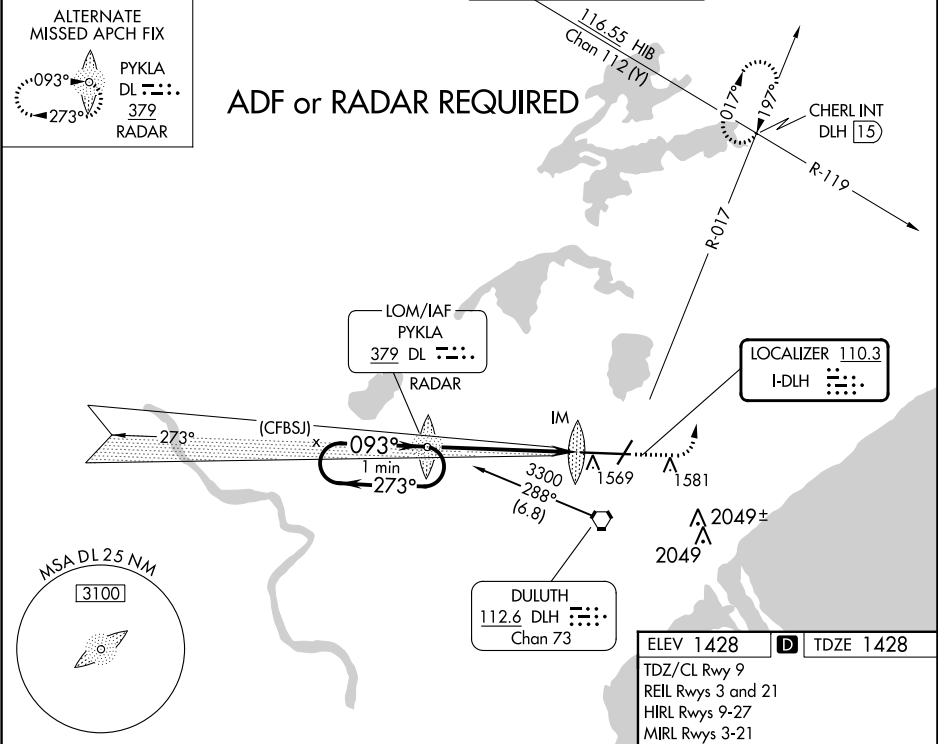
DULUTH INTL (DLH)

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



VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 70).
One Minute Holding Pattern

3000

4500

DLH

CHERL INT

3284

3300

273°

093°

3300

IM

5.4 NM

0.2

GS 3.00°

TCH 59

093°

5719

10591 X 150

1492

TWR

1485

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)			
CIRCLING	1960-1 532 (600-1)	1960-1½ 532 (600-1½)	2400-3 972 (1000-3)		

FAC TO MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52