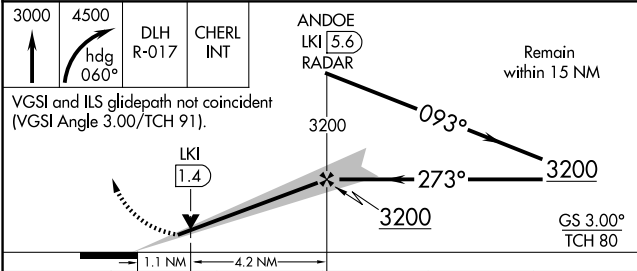
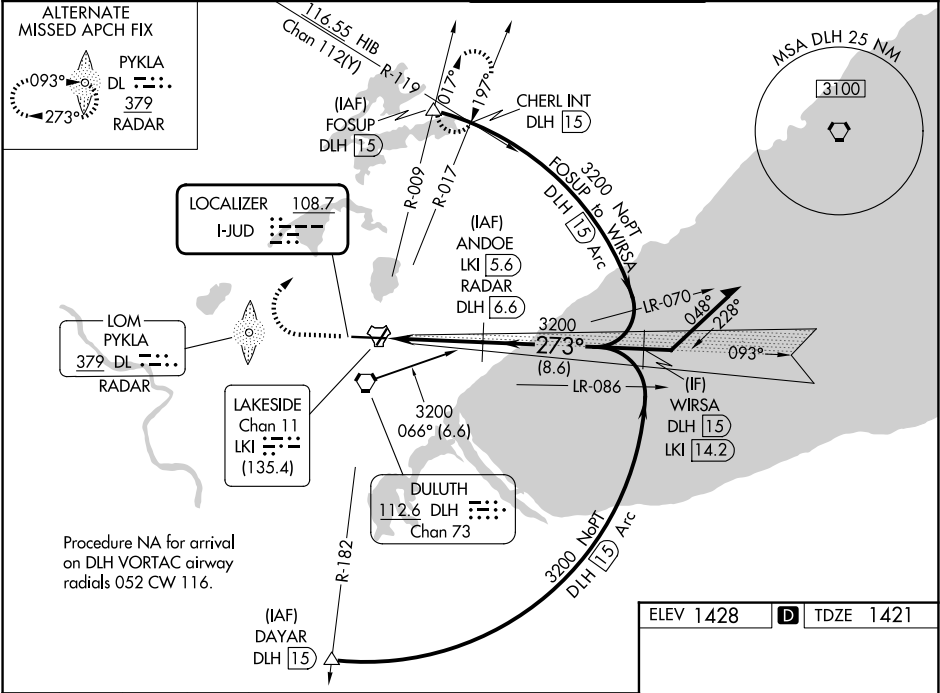


LOC I-JUD 108.7	APP CRS 273°	Rwy Ldg 10062 TDZE 1421 Apt Elev 1428
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ILS or LOC RWY 27
DULUTH INTL (DLH)

DME or RADAR required.	MALSR	MISSED APPROACH: Climb to 3000 then climbing right turn to 4500 on heading 060° and DLH VORTAC R-017 to CHERL INT/ DLH 15 DME and hold.
 Circling NA for Cat E southeast of Rwy 3 and 27. Inop table does not apply to S-ILS 27. DME from LKI TACAN.  DME use requires simultaneous reception of I-JUD and LKI DME. For inop ALS, increase S-LOC 27 Cat E visibility to 1 1/4 SM.		

ATIS 124.1 270.1	DULUTH APP CON 125.45 233.7	DULUTH TOWER 118.3 257.8	GND CON 121.9 348.6
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CATEGORY	A	B	C	D	E
S-ILS 27	1621/40	200 (200-3/4)	1651/40	230 (300-3/4)	
S-LOC 27	1860/24	439 (500-1/2)	1860/40	439 (500-3/4)	
CIRCLING	1880-1 452 (500-1)	1900-1 472 (500-1)	1940-1 1/2 512 (600-1 1/2)	2400-3	972 (1000-3)

TDZL/RCLS Rwy 9	REIL Rwy 3 and 21	HIRL Rwy 9-27	MIRL Rwy 3-21
FAF to MAP 5.3 NM			
Knots	60	90	120 150 180
Min:Sec	5:18	3:32	2:39 2:07 1:46