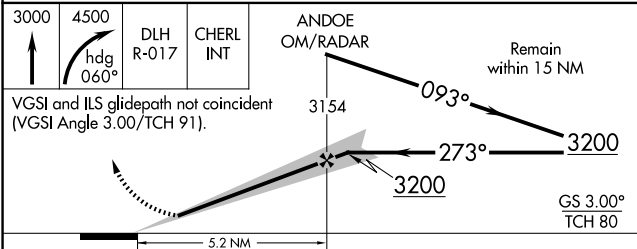
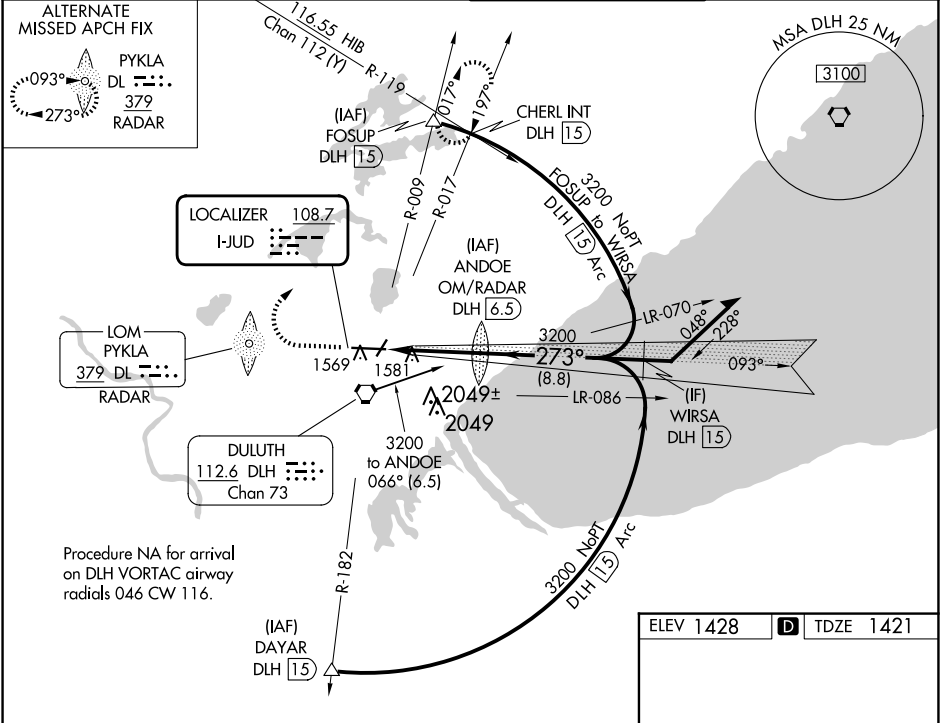


LOC I-JUD 108.7	APP CRS 273°	Rwy ldg 10062 TDZE 1421 Apt Elev 1428
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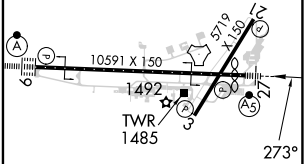
ILS or LOC RWY 27
DULUTH INTL (DLH)

DME or RADAR required for procedure entry.	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. For inop ALS, increase S-LOC 27 Cat E visibility to 1½ SM.	ASR	

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 (200-¾)	1651/40	230 (300-¾)	
S-LOC 27	1860/24	439 (500-½)	1860/40	439 (500-¾)	
CIRCLING	1880-1 452 (500-1)	1900-1 472 (500-1)	1940-1½ 512 (600-1½)	2400-3	972 (1000-3)

ELEV 1428	TDZE 1421
	
TDZ/CL Rwy 9 REIL Rwy 3 and 21 HIRL Rwy 9-27 MIRL Rwy 3-21	
FAF to MAP 5.2 NM	
Knots	60 90 120 150 180
Min:Sec	5:12 3:28 2:36 2:05 1:44