

ILS or LOC RWY 31  
DES MOINES INTL (DSM)

ALSF-2

**MISSED APPROACH:** Climb to 1600 then climbing left turn to 3000 on heading 180° on DSM VORTAC R-254 to MIDLE INT/12 DME and hold.

ALTERNATE  
MISSED APCH FIX

112.5 TNU  
← R-259  
Chan 72

079°  
259°

ANKEN  
TNU 22

LOCALIZER 110.3  
I-DSM  
Chan 40

116.7 LMN  
Chan 114  
R-356

MIDDLE  
DSM 12

074°  
254°

R-254

DES MOINES  
117.5 DSM  
Chan 122

Procedure NA for arrival  
on DSM VORTAC airway  
radials 042 CW 141.

1067

ANKEN  
TNU 22

Procedure NA for arrival  
on TNU VOR/DME airway  
radials 227 CW 259.

2004

NEWTON  
112.5 TNU  
Chan 72

FOREM INT  
I-DSM 6

R-044

3000  
094°  
(7.7)

2400  
311°  
(6)

1318  
min  
311°

R-214


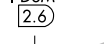


R-094

131°

3000  
214°  
(27.9)

MSA DSM 25 NM  
150°  
240°  
4000  
2800

ELEV 958 D TDZE 958

1600 ↑ hdg 180°	3000 ↘ 180°	DSM R-254	MIDDLE △	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 56).			One Minute Holding Pattern	
* LOC only		* I-DSM		FOREM INT I-DSM (6)	CYCLN INT I-DSM (11.9)			
								
I-DSM (1.6)		I-DSM (2.6)		2400		3000		
0.2		0.8 NM		3.4 NM		6 NM		
CATEGORY		A		B		C		
S-ILS 31		1158/18		200 (200-1/2)		D		
S-LOC 31		1340/24		382 (400-1/2)		1340/35		
CIRCLING		1420-1		462 (500-1)		1600-1 1/2		
						642 (700-1 1/2)		
						1760-2 1/2		
						1760-2 3/4		
						802 (900-2 1/2)		
						802 (900-2 3/4)		