

|                                                 |                        |                                                                        |
|-------------------------------------------------|------------------------|------------------------------------------------------------------------|
| LOC/DME I-DSM<br><b>110.3</b><br>Chan <b>40</b> | APP CRS<br><b>311°</b> | Rwy ldg<br>TDZE<br>Apt Elev<br><b>9001</b><br><b>958</b><br><b>958</b> |
|-------------------------------------------------|------------------------|------------------------------------------------------------------------|

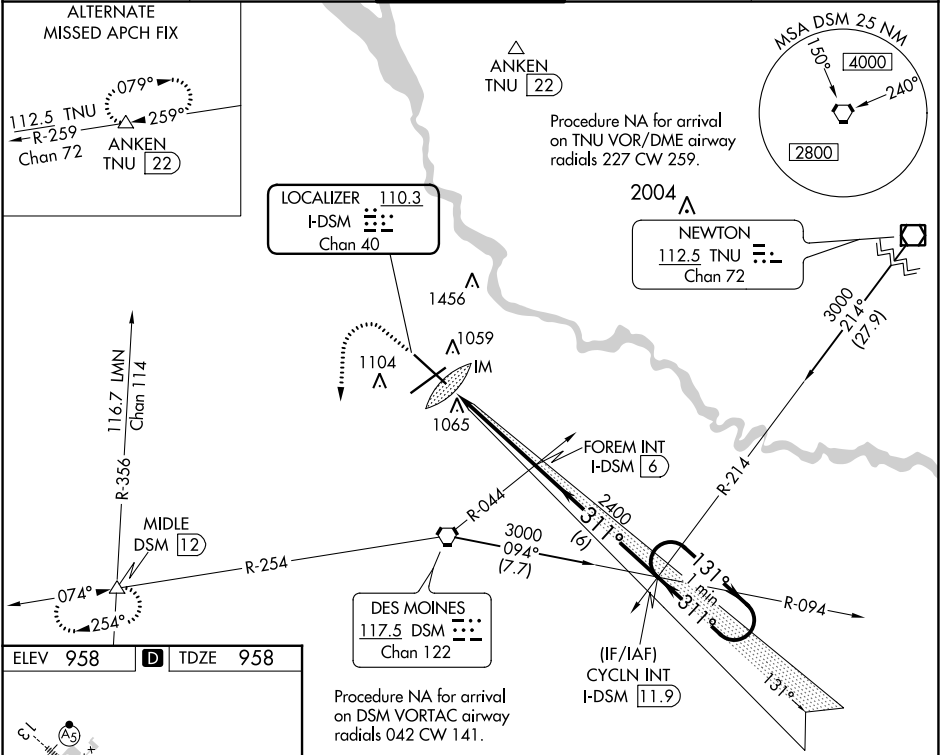
ILS or LOC RWY 31  
DES MOINES INTL (DSM)

**⚠** For inop ALS, increase S-ILS 31 Cat E visibility to RVR 4000 and S-LOC 31 Cat E visibility to RVR 6000.

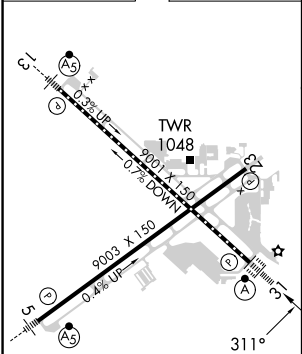
ALSF-2

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

|                       |                                           |                                        |                               |                                  |
|-----------------------|-------------------------------------------|----------------------------------------|-------------------------------|----------------------------------|
| ATIS<br><b>119.55</b> | DES MOINES APP CON<br><b>123.9 307.15</b> | DES MOINES TOWER<br><b>118.3 257.8</b> | GND CON<br><b>121.9 348.6</b> | CLNC DEL<br><b>134.15 317.55</b> |
|-----------------------|-------------------------------------------|----------------------------------------|-------------------------------|----------------------------------|



|          |          |          |
|----------|----------|----------|
| ELEV 958 | <b>D</b> | TDZE 958 |
|----------|----------|----------|



|                                                          |
|----------------------------------------------------------|
| REIL Rwy 23<br>TDZ/CL Rwy 31<br>HIRL Rlys 13-31 and 5-23 |
| FAF to MAP 4.4 NM                                        |
| Knots 60 90 120 150 180                                  |
| Min:Sec 4:24 2:56 2:12 1:46 1:28                         |

|           |                     |              |                         |                               |                         |
|-----------|---------------------|--------------|-------------------------|-------------------------------|-------------------------|
| 1600      | 3000                | DSM<br>R-254 | MIDDLE<br>△             | One Minute<br>Holding Pattern |                         |
| ↑         | hdg<br>180°         |              |                         |                               |                         |
| *LOC only |                     |              |                         |                               |                         |
|           |                     |              |                         |                               |                         |
| CATEGORY  | A                   | B            | C                       | D                             | E                       |
| S-ILS 31  | 1158/18 200 (200-½) |              |                         |                               |                         |
| S-LOC 31  | 1340/24             | 382 (400-½)  | 1340/35                 | 382 (400-¾)                   |                         |
| CIRCLING  | 1420-1              | 462 (500-1)  | 1600-1½<br>642 (700-1½) | 1760-2½<br>802 (900-2½)       | 1760-2¾<br>802 (900-2¾) |