

|                           |                        |                             |                                       |
|---------------------------|------------------------|-----------------------------|---------------------------------------|
| LOC I-FNF<br><b>110.1</b> | APP CRS<br><b>219°</b> | Rwy Idg<br>TDZE<br>Apt Elev | <b>8001</b><br><b>31</b><br><b>33</b> |
|---------------------------|------------------------|-----------------------------|---------------------------------------|

# ILS Z or LOC Z RWY 22

ELLINGTON (EFD)

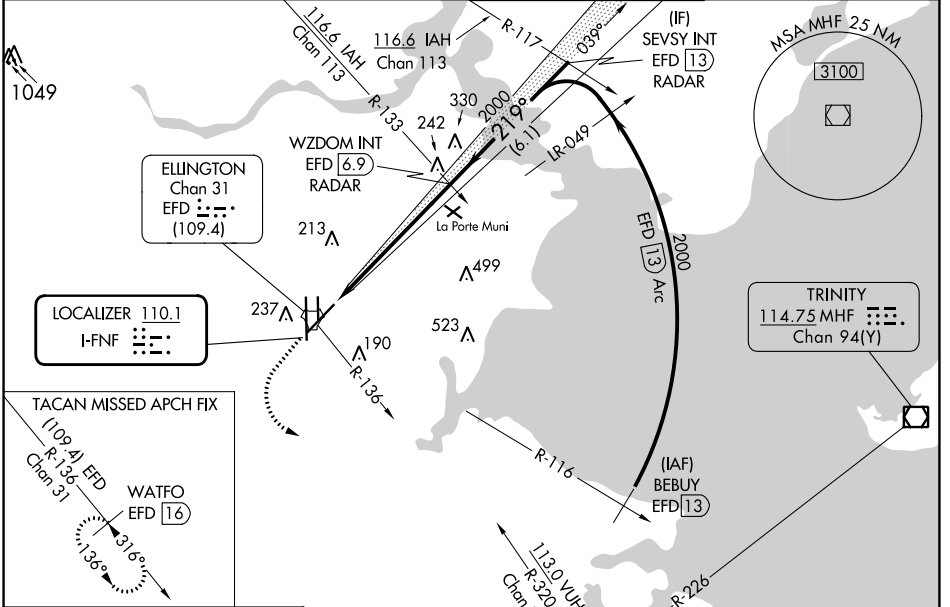
**RADAR required for procedure entry.**

**⚠ Circling NA west of Rwy 17R-35L. DME from EFD TACAN. Simultaneous reception of I-FNF and EFD DME required. For inop ALS, increase S-ILS 22 Cat E visibility to RVR 4000 and S-LOC 22 Cat E visibility to 1½ SM.**

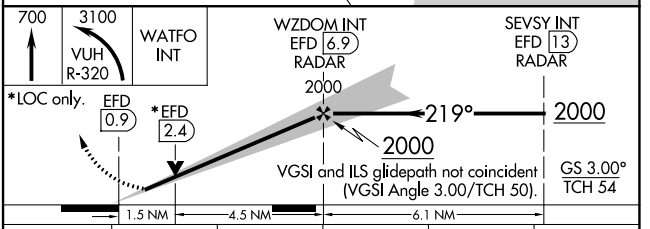
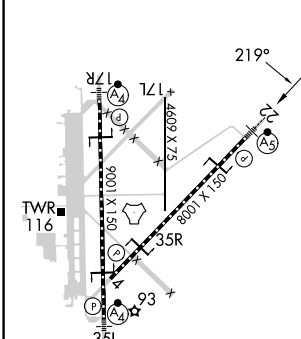
**MALSR**

**MISSED APPROACH:** Climb to 700 then climbing left turn to 3100 on VUH VOR/DME R-320 to WATFO INT/VUH 9.3 DME and hold. (TACAN aircraft climb to 700 then climbing left turn to 3100 on EFD TACAN R-136 to WATFO/EFD 16 DME and hold southeast, left turn, 316° inbound.)

|                              |  |  |                               |
|------------------------------|--|--|-------------------------------|
| ATIS<br><b>135.575 269.9</b> | HOUSTON APP CON<br><b>134.45 284.0</b> | ELLINGTON TOWER<br><b>126.05 253.5</b> | GND CON<br><b>121.6 275.8</b> |
|------------------------------|--|--|-------------------------------|



|         |          |         |
|---------|----------|---------|
| ELEV 33 | <b>D</b> | TDZE 31 |
|---------|----------|---------|



|  |       |             |                        |                      |                        |
|--|-------|-------------|------------------------|----------------------|------------------------|
| HIRL Rwy 4-22 and 17R-35L<br>TDZ/CL Rwy 17R, 22 and 35L<br>FAF to MAP 6 NM |       |             |                        |                      |                        |
| Knots  | 60    | 90          | 120                    | 150                  | 180                    |
| Min:Sec  | 6:00  | 4:00        | 3:00                   | 2:24                 | 2:00                   |
| <b>CIRCLING</b>  | 560-1 | 527 (600-1) | 580-1½<br>547 (600-1½) | 640-2<br>607 (700-2) | 700-2¼<br>667 (700-2¼) |