

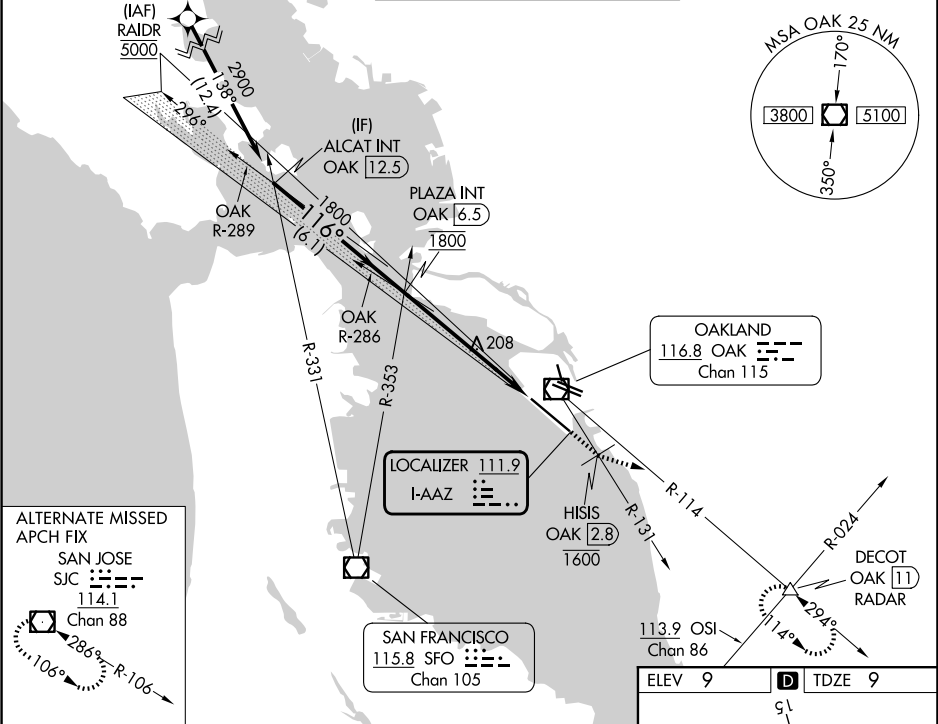
|                           |                        |                             |                                      |
|---------------------------|------------------------|-----------------------------|--------------------------------------|
| LOC I-AAZ<br><b>111.9</b> | APP CRS<br><b>116°</b> | Rwy Ldg<br>TDZE<br>Apt Elev | <b>10000</b><br><b>9</b><br><b>9</b> |
|---------------------------|------------------------|-----------------------------|--------------------------------------|

ILS or LOC RWY 12

OAKLAND SAN FRANCISCO BAY (OAK)

|                                                                                               |                                   |                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DME required. From RAIDR: RNAV 1-GPS required.                                                | MALSR                             | MISSED APPROACH: Climb on heading 116° and on OAK VOR/DME R-131 to cross HISIS/OAK 2.8 DME at or below 1600 then climb to 5100 on heading 090° and on OAK VOR/DME R-114 to DECOT INT/OAK 11 DME/RADAR and hold, continue climb-in-hold to 5100. |
| <div><div></div><div>* RVR 1800 authorized with the use of FD or AP or HUD to DA.</div></div> | <div><div></div><div></div></div> |                                                                                                                                                                                                                                                 |

|                          |                                        |                                                                                         |                                                                       |
|--------------------------|----------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| D-ATIS<br><b>133.775</b> | NORCAL APP CON<br><b>125.35 263.15</b> | OAKLAND TOWER<br><b>118.3 291.65</b> (10L/R-28L/R, 15-33)<br><b>127.2 256.9</b> (12-30) | GND CON<br><b>121.9</b> (10L/R-28L/R, 15-33)<br><b>121.75</b> (12-30) |
|--------------------------|----------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|



|                    |                                                                 |             |                     |                      |           |       |
|--------------------|-----------------------------------------------------------------|-------------|---------------------|----------------------|-----------|-------|
| ALCAT INT OAK 12.5 | hdg 116°                                                        | OAK R-131   | HISIS OAK 2.8 1600  | 5100                 | OAK R-114 | DECOT |
| PLAZA INT OAK 6.5  | VGSI and ILS glidepath not coincident (VGSI Angle 2.75/TCH 70). |             |                     |                      |           |       |
| 2900               | 116°                                                            | 1800        | 1800                |                      |           |       |
| GS 2.75° TCH 55    | 6.1 NM                                                          | 6 NM        |                     |                      |           |       |
| CATEGORY           | A                                                               | B           | C                   | D                    |           |       |
| S-ILS 12*          | 209/24                                                          |             | 200 (200-½)         |                      |           |       |
| S-LOC 12           | 460/24                                                          | 451 (500-½) | 460/45              | 451 (500-¾)          |           |       |
| CIRCLING           | 560-1                                                           | 551 (600-1) | 660-1¾ 651 (700-1¾) | 1400-3 1391 (1400-3) |           |       |

|                 |                                  |
|-----------------|----------------------------------|
| ELEV 9          | TDZE 9                           |
| REIL Rwy 10R    | TDZ/CL Rwy 30                    |
| MIRL Rwy 15-33  | HIRL Rwy 12-30, 10L-28R, 10R-28L |
| FAF to MAP 6 NM |                                  |
| Knots           | 60 90 120 150 180                |
| Min:Sec         | 6:00 4:00 3:00 2:24 2:00         |