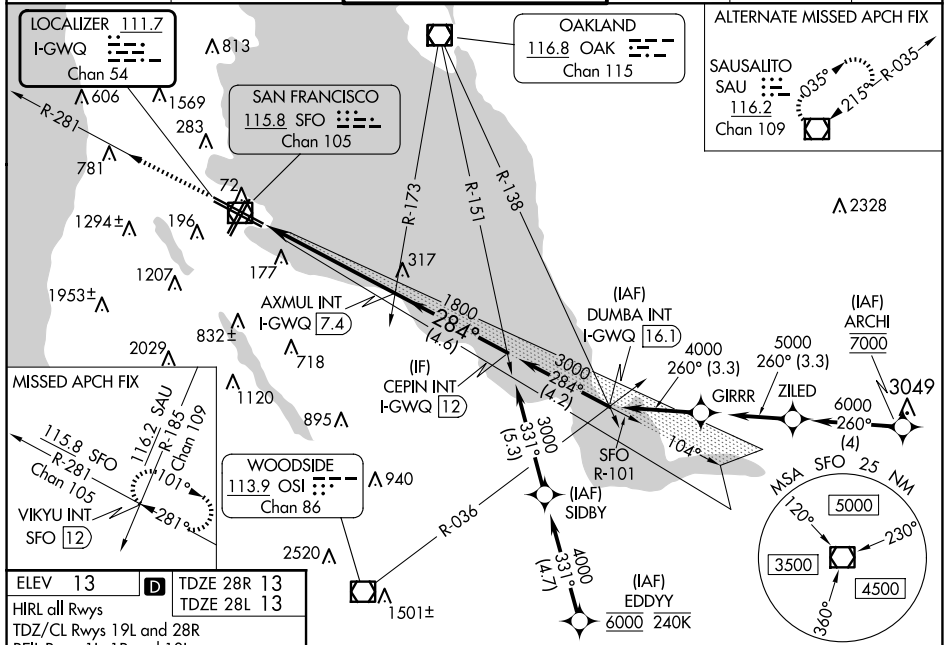


|                |             |                      |              |
|----------------|-------------|----------------------|--------------|
| LOC/DME I-GWQ  | APP CRS     | 28R                  | 28L          |
| <u>111.7</u>   | <b>284°</b> | Rwy Ldg <b>11236</b> | <b>10275</b> |
| Chan <b>54</b> |             | TDZE <b>13</b>       | <b>13</b>    |
|                |             | Apt Elev <b>13</b>   | <b>13</b>    |

ILS or LOC RWY 28R  
SAN FRANCISCO INTL (SFO)

|                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                   |                                                                                   |                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RNAV 1-GPS or RADAR required for procedure entry.                                                                                                                                                                                                                                                                                                                           |  | ALSF-2<br>Rwy 28R                                                                 | MALSR<br>Rwy 28L                                                                  | MISSED APPROACH: Climb to 3000 on SFO VOR/DME R-281 to VIKYU INT/SFO 12 DME and hold.<br><br>*Missed approach requires minimum climb of 350 feet per NM to 1900; if unable to meet climb gradient, see ILS or LOC RWY 28L. |
| <p><b>T</b> Circling NA to Rwys 10L, 10R, 19L, and 19R. Circling Rwy 1L, 1R NA at night. LOC procedure NA during simultaneous operations. For inop ALS increase S-LOC 28R* Cat C/D visibility to 1 1/2 SM. Simultaneous approach authorized. Simultaneous operations require use of vertical guidance; maintain last assigned altitude until established on glideslope.</p> |  |  |  |                                                                                                                                                                                                                            |

|                                 |                               |                                    |                  |                   |       |
|---------------------------------|-------------------------------|------------------------------------|------------------|-------------------|-------|
| D-ATIS<br>113.7 115.8<br>118.85 | NORCAL APP CON<br>134.5 338.2 | SAN FRANCISCO TOWER<br>120.5 269.1 | GND CON<br>121.8 | CLNC DEL<br>118.2 | CPDLC |
|---------------------------------|-------------------------------|------------------------------------|------------------|-------------------|-------|



**SFO R-281 ILS**

Use I-GWQ DME when on the localizer course.  
VGSI and ILS glidepath not coincident  
(VGSI Angle 3.00/TCH 68).

| CATEGORY         | A                  | B | C                  | D                      |
|------------------|--------------------|---|--------------------|------------------------|
| S-ILS 28R*       | 213/18 200 (200-½) |   |                    |                        |
| S-LOC 28R*       | 480/24 467 (500-½) |   | 480/50 467 (500-1) |                        |
| SIDESTEP*<br>28L | 480/55 467 (500-1) |   |                    | 480-1½<br>467 (500-1½) |

FAF to MAP 5.4 NM

| Knots   | 60   | 90   | 120  | 150  | 180  |
|---------|------|------|------|------|------|
| Min:Sec | 5:24 | 3:36 | 2:42 | 2:10 | 1:48 |

**C CIRCLING**

| 740-1<br>727 (800-1) | 960-1¼<br>947 (1000-1¼) | 1560-3<br>1547 (1600-3) | NA |
|----------------------|-------------------------|-------------------------|----|
|----------------------|-------------------------|-------------------------|----|

SW-2, 27 NOV 2025 to 25 DEC 2025