

|                                        |                        |                                                             |
|----------------------------------------|------------------------|-------------------------------------------------------------|
| WAAS<br>CH <b>58015</b><br><b>W19A</b> | APP CRS<br><b>194°</b> | Rwy Ldg <b>8650</b><br>TDZE <b>11</b><br>Apt Elev <b>13</b> |
|----------------------------------------|------------------------|-------------------------------------------------------------|

RNAV (GPS) RWY 19L  
SAN FRANCISCO INTL (SFO)

|                        |                                                                                                                                                                                                                                                                    |              |                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>RNP APCH - GPS.</p> | <p>For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 4°C or above 54°C. For inop ALS, increase LPV DA* (CG 357) all Cats visibility to RVR 4500. For inop ALS, increase LNAV/VNAV all Cats visibility to 2½ SM and LNAV Cats C and D visibility to 3 SM.</p> | <p>MALSF</p> | <p>MISSED APPROACH: Climb to 1100 then climbing left turn to 4000 direct PRTLA and hold.<br/>*Missed approach requires minimum climb of 357 feet per NM to 2000.</p> |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

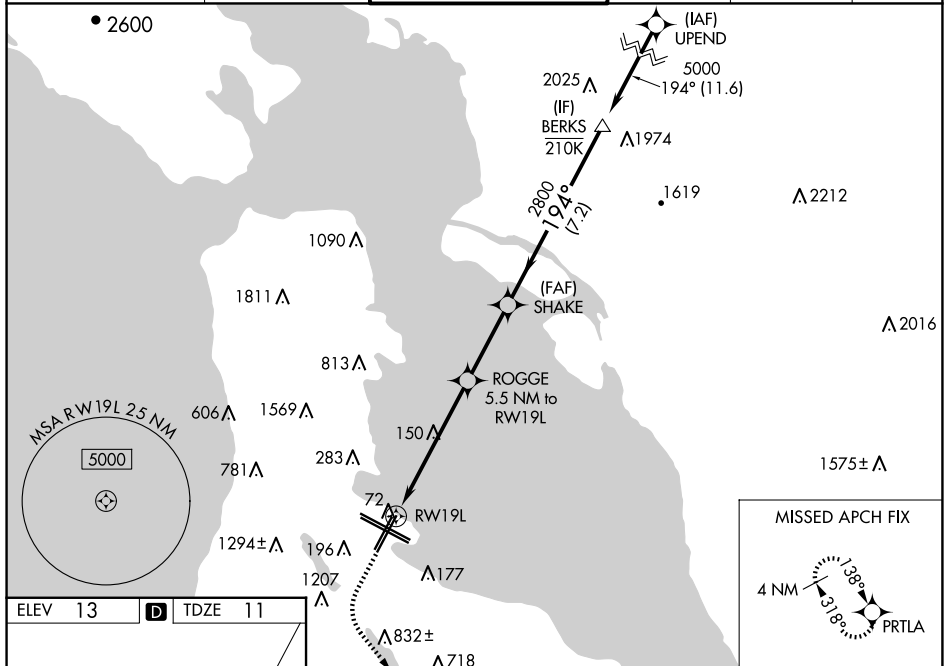


Diagram illustrating the RW19L and RW28R instrument approach procedures. The diagram shows a 194-degree heading, a 1100-foot MDA, a 4000-foot glidepath, and a 194-degree heading. It also shows the RW19L and RW28R runways, the TWR, and the VGS and RNAV glidepaths. The diagram includes a table of approach data for LPV, LPV, LNAV/VNAV, LNAV/VNAV, and LNAV MDA.

| CATEGORY      | A                        | B                         | C       | D              |
|---------------|--------------------------|---------------------------|---------|----------------|
| LPV DA*       | 293/40                   | 282 (300-¾)               |         |                |
| LPV DA        | 656-1½                   | 645 (700-1½)              |         |                |
| LNAV/VNAV DA* | 350/40                   | 339 (400-¾)               |         |                |
| LNAV/VNAV DA  | 794-2                    | 783 (800-2)               |         |                |
| LNAV MDA      | 1100/55<br>1089 (1100-1) | 1100-1¼<br>1089 (1100-1¼) | 1100-2½ | 1089 (1100-2½) |