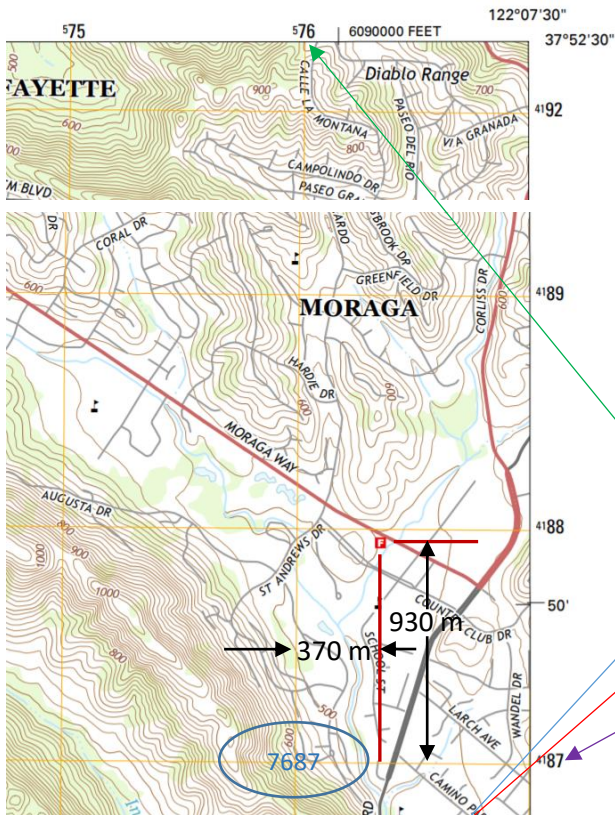


Finding a USNG position on a Topo Map

OAKLAND EAST QUADRANGLE
CALIFORNIA
7.5-MINUTE SERIES



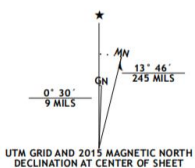
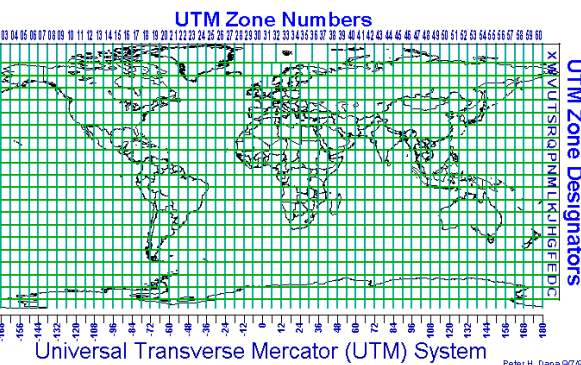
READ RIGHT, THEN UP

Moraga-Orinda Fire Station #41

Check-in canopy for exercise

10S EG 76378793

10S EG 76 37 87 93



| |
|-----------------------|
| U.S. National Grid |
| 100,000-m Square ID |
| EG |
| Grid Zone Designation |
| 10S |

In this example, the check-in canopy at MOFD Station 41 is described as being located at grid 10S EG 76378793 or simply 76378793 (think 7637 / 8793). Read right to grid line 76 (using the principal digits). Then count grid lines up to line 87. This intersection is known as grid 7687. This four digit value would give the location to within 1,000-meters. Measuring right in meters from line 76, we find the canopy is another 370 meters east ($37 * 10$ meters). The complete easting component is 76370. Measuring up in meters from grid line 87 the canopy is another 930-meters north. The complete northing component is 87930. We drop the 1-meter level values (shown as 0s in this case), and combining the easting and northing components, the grid coordinate is given as an eight digit value (to within 10-meters) as: Grid: 76378793 When calling it in over a radio, say: 7637 East 8793 North

The phone app, MyUSNG is free and works on both iOS and Android. Once installed, it will work without an internet connection.