

# WGS84 versus ITRF

Kevin Kelly and Michael Dennis (USA)

**Key words:** WGS84; Positioning; Reference Frames

## SUMMARY

Since its inception in 1987, there have been six subsequent realizations of the World Geodetic System 1984 designated: WGS84 (G730), WGS84 (G873), WGS84 (G1150), WGS84 (G1674), WGS84(G1762) and WGS84(2139). Yet, sub-meter level accuracy georeferencing directly in WGS84 is not possible. WGS84 has been consistent with the International Terrestrial Reference Frame (ITRF) since 1994, and thus so are positions obtained using GPS. In this brief presentation, we justify this assertion.