

PNT GAP: HIGH ACCURACY WITH INTEGRITY



Description: High accuracy with integrity is needed by many applications in order to function safely and properly

Importance: Improving the accuracy of current PNT technology will allow for higher rail and road capacity, increased efficiency, and improved safety.

Problem Areas: Advanced driver assistance systems (road departure and lane change collision avoidance) which need 10cm accuracy; railroads which need 1 m accuracy; safety of life drive integrity requirements

Affected Applications: Roads/Rails traveling at surface speeds, urban canyons, tunnels, valleys, and under canopies