



VENTURA COUNTY FIRE PROTECTION DISTRICT INFORMATION TECHNOLOGY

Author: Justin Tai

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GPS Re-Radiation System Purpose & Description

Application Purpose

The purpose of this application is to obtain a 2-year experimental license to operate a GPS re-radiation system to support and provide GPS capabilities to public safety apparatus serving the needs of the Ventura County Fire Protection District.

Why This Application is Necessary

The Ventura County Fire Protection District (VCFPD) uses a computer-aided dispatch (CAD) system to respond to the needs of the citizens of Ventura County. This dispatch system uses location-based recommendations, using GPS to determine where the closest available unit is and applying that information to send that unit. When our apparatus are stored securely in the firehouse engine bay, we experience GPS drift which has the potential to take our units and automatically mark them out-of-quarters, place them elsewhere on the map, and possibly lead to an erroneous CAD recommendation because of GPS drift.

It is therefore in the interest of public safety to have an accurate GPS based fix on all of our apparatus at all times.

Coverage Areas

Currently, there have only been a few identified stations that do not receive adequate GPS signal when indoors. The GPS coverage area for these stations will only include the engine bay, which can potentially house multiple VCFPD apparatus.