



# County of San Diego

## DEPARTMENT OF PUBLIC WORKS

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Mr. Art Andrew, Chairperson  
California Spatial Reference Center (CSRC)  
Scripps Institute of Oceanography  
9500 Gillman Drive, Dept. IGPP Mail Code 0225  
La Jolla, Ca 92093-0225

May 27, 2011

Subject: Recognition of private secondary GPS networks outside the California Real Time Network (CRTN)

Dear Mr. Andrew,

As the popularity of GPS grows within the survey community, we can logically expect private, secondary GPS networks to take root in the state. An example of this could be the networks developed by the manufacturing community (i.e. Trimble, Leica, Topcon, etc.). I am concerned about this from the following standpoints; physical construction, accuracy of assigned and maintained coordinate positions and lastly, legitimacy in their usage as a basis for surveying and mapping. I believe my solution for the survey and mapping portion will automatically address the other concerns.

The California Public Resources Code, Section 8801 et. seq, defines, establishes and prescribes the coordinate system's (CCS83) use for the State. Without going into details which we are all familiar with, I direct your attention generally to Section 8813.1 which includes a series of requirements that include the words "acceptable", "CSRN" and "requirements". My point being, I believe that before any private, secondary GPS network base station can satisfy the code requirements, that station must have been vetted through the CSRC and approved by whatever means you have established to do so.

I for one would require a letter from the CSRC listing any and all stations that have undergone this vetting process and been approved within or immediately adjacent to the County of San Diego as a legitimate controlling point under the Resources Code.

Respectfully,

Terrence T. Connors, PLS 5099  
San Diego County Surveyor

