

THE LEAGUE OF

# *california* surveying organizations

www.lcso.com

County Surveyor's Office, 2<sup>nd</sup> Floor -123 East Anapamu Street

SOUTHERN REGION

Santa Barbara, CA 93101

July 2, 2009

California Spatial Reference Center  
Scripps Institution of Oceanography  
IGPP 9500 Gilman D  
La Jolla, CA 92093-0225

Attn: Dr. Yehuda Bock, CSRC Director

Subject: Proposal for a California Real Time Network

The League of California Surveying Organizations (The League) has been serving the public for over 40 years. Our members include County and City Surveyors, Caltrans, representatives from special districts, utility agencies, professional organizations, and private consultants whose primary focus is providing surveying services to the government sector. Within the focus of our mission to standardize mapping and the practice of Land Surveying across the State of California, and at the request of CSRC, The League has reviewed Version 5.0 of the Proposal for a Statewide California Real Time Network (The Proposal). Included in our review was a presentation from the CSRC at our May 7<sup>th</sup> meeting in Santa Ana.

The League has frequently been supportive of CSRC and its mission and programs. We are pleased to provide our comments regarding the planned network as outlined in The Proposal, and to give our conceptual support of such a program. Our comments are being made in accordance with our Constitution which states: "To encourage a spirit of mutual cooperation and friendship among all surveying and mapping organizations and societies" and "To encourage standardization and uniform practices among all surveying and mapping organizations by publishing recommended standards and practices". We believe that the practice of land surveying is further standardized by efforts such as those presented by CSRC in this proposal.

Following review of The Proposal and deliberation at our May 7<sup>th</sup> meeting, a motion was passed by a majority of our membership to draft a letter to CSRC for the purpose of stating our support of such a program. This action conveys The League's belief that a statewide network that standardizes delivering the California Spatial Reference System as defined by the California Public Resources Code in "near" real time is in the best interest of the surveying profession and, more importantly, the general public. It also serves to "Foster and perpetuate high professional standards in the practice of Surveying and Mapping in California" as required by our Constitution.

The League believes the following benefits, such as those outlined by and contained in The Proposal, to be particularly relevant for any real time network system:

- ❑ A seamless statewide real time network that is consistent on a common reference system, being the California Spatial Reference System (CSRS) and National Spatial Reference System (NSRS) as required by the California Public Resources Code.
- ❑ Statewide real time control coordinates which fulfill the requirements of the California Public Resources Codes 8856(c)(e), 8857(c), and 8858(b) for GPS-derived geodetic coordinates and orthometric heights.
- ❑ A system built upon an existing infrastructure of reliable and stable CGPS monumentation designed for highest-order geodetic accuracy, longevity, and geological stability.

Participating Organizations: \* California Department of Transportation \* California Spatial Reference Center \* City of Glendale \* City of Long Beach \* City of Los Angeles \* City of Santa Ana \* City of San Buenaventura \* County of Los Angeles \* County of Orange \* County of Riverside \* County of San Bernardino \* County of San Diego \* County of Santa Barbara \* County of Ventura \* Port of Long Beach \* Riverside County Flood Control District \* Riverside-San Bernardino Chapter of California Land Surveyors Association \* Southern California Integrated GPS Network \*

CHAIR

Michael Raihle  
San Bernardino County  
(909) 387-8149  
FAX: (909) 387-7895

VICE CHAIR

Jon Hornecker  
Orange County  
(714) 834-2957  
FAX: (714) 834-5582

SECRETARY

Michael B. Emmons  
Santa Barbara County Surveyor  
(805) 568-3012  
FAX: (805) 568-3318

TREASURER

Henry Figueroa  
Caltrans  
(805) 654-4225  
FAX: (805) 654-4223

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The League believes the following benefits, such as those outlined by and contained within The Proposal, to be particularly relevant for any RTN system: (Cont'd from page 1):

- ❑ A system should be built, maintained, and operated utilizing public funding in cooperation with the Plate Boundary Observatory, the California Spatial Reference Center, Scripps Orbit and Permanent Array Center, and other public and quasi-public scientific organizations.
- ❑ A system should provide for continual statewide positioning analysis as well as rapid updated positions following significant seismic events.
- ❑ Free access to any site data port throughout the state for single-base RTK surveying.
- ❑ Free access to the Epoch-Date Positioning service.
- ❑ System should require no user fees as system should be funded by public monies.

The League congratulates and supports CSRC on their efforts to implement a system such as defined by Version 5.0 of the Proposal for a Statewide California Real Time Network. We look forward to the development of this important infrastructure for the State and we thank you for your time spent to inform and solicit comments from our membership.

Very truly yours,

Michael B. Emmons  
Secretary

*CHAIR*

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