



# CSRC Executive Committee Teleconference

## Meeting Minutes – Final Approved

September 25 (Wednesday), 2024, 8:00 AM-9:00 AM

Zoom Link with Password:

<https://ucsd.zoom.us/j/8588222156?pwd=S3BtSGZHbEsyN0V4Zi8rMFI3V1R4UT09>

To Join by Telephone: 213-338-8477 (669-219-2599 or 669-900-6833)

Meeting ID: 858-822-2156; Password: 201512; Participant ID: press # to skip. If you need help, please call or text Maria at 858-822-8539.

- Welcome / Call to Order / Roll Call
- Approval Minutes and Review Agenda
  - Approve August Minutes – Approved
  - Review of Agenda

• Standing Reports

**Director’s Report (Bock)**

- **EarthScope** GNSS data through commercial mechanism, no response
- **Post 2017.50:** regarding stations added after publication of 2017.50, we compared SCIP and Sector with sufficient amount of data to get a velocity, results were good. When compared to HTDP, results were not good (5-15 cm).
  - SCIP: we will use SCIP as the temporary 2017.5 until a new epoch date is finalized.
  - Caltrans Stations: This mostly affect Caltrans stations. DWR are not affected due to Greg’s work.
- Geodetic Reference Mark (GRM) and UCB. UCB changed antenna and adapter. There were discussions about the position from GRM and antenna height and type, coordinates to GRM, GRM changes, mount or monument types, and offset on the time series. The header needs to change antenna model and type. There are also situations when offset calibrations are not perfect (building mount). The same problem occurs with real motions, crustal deformation and subsidence.
- Other Issues: The new BARD stations have approximate coordinates that are off by 10 feet. Fifty stations will have new coordinates published. When a marker has changed, it will introduce a bias. The coordinate from Caltrans are on different epochs
- Bias: SCIP no bias at the survey level. There can be bias (rebuilt stations, antenna changes) we are not aware of and we are dependent on the station operators to report meta data. We can figure out the changes, but it takes times. The steps include the epoch date for Caltrans stations, getting the final results for coordinates, and completing the readjustments.
- **CRTN Map:** we’re updating the web interface and working with Joe at Caltrans.
- **Geodesy Program:** Jennifer Haase is teaching a GNSS class and has nine students. In the winter

VOTING MEMBERS	PRESENT	
Chancellor UCSD: Dr. John Orcutt	yes	
Director IGPP: Dr. Peter Shearer		no
Director CSRC: Dr. Yehuda Bock	yes	
Chairperson: Humberto Gallegos		no
Vice-Chairperson: Steve Martin	yes	
Secretary: Timothy McKinney		no
Treasurer: Rich Maher		no
Member: Adrian Aguirre	yes	
Member: Kevin Maxwell	yes	
Member: Taleah Quemada		no
Member: Pat Tami	yes	
Past Chairperson: Kimberley Holtz		no
<b>QUORUM? (6 of 12)</b>	yes	
NON-VOTING MEMBERS	PRESENT	
NGS Advisor: Dana Caccamise		no
Executive Manager: Greg Helmer	yes	
CA Geodetic Coordinator.: Scott Martin	yes	
Coordinator: Maria Turingan	yes	
Guest: Chris Sanatar (POLB)		no

- quarter, Yehuda and Adrian Borsa will teach Gravity and Geodesy. We have two Graduate Student Researchers (GSRs) with David Sandwell (Raymond Thicklin and Rubi Garcia Gonzalez).
- National Geospatial-Intelligence Agency (NGA) proposal, Development of Geodetic Science Curricula and Research on Dynamic Terrestrial Reference Frames, was funded. It will fund two GSRs.
  - BARD stations were incorporated as P stations and renamed;
  - **California Map Society Article** (<https://californiamapsociety.org>): the article is about tracking land falling atmospheric rivers,
  - How can we get more information to the CSRC community? Website, social media, an article in California Surveyor
  - **CRTN Videos and Action Item to EC Members:** Please reach out to your local equipment vendor contacts and ask if they have videos on how to use CRTN with their equipment. Search the web and reach out to others about CRTN video resources. Please send the video links to Yehuda and me. If you have pictures to add to the website, please email them too.

### **Caltrans Report (Maxwell)**

Kevin is working on the service contract, projects on the North American Plate, and coordinates on passive marks for the new epoch.

### **CA Geodetic Coordinator Report (Martin)**

- Scott and Dana Caccamise met with staff from a firm in Santa Rosa regarding a First Order bench mark that will be removed due to a City of Sausalito project. Compliance with Section 8771 of the PLS Act was Scott's focus. Because of the compressed schedule, doing a first order reset will be a challenge, but Dana is working with them on the options.
- Scott presented to the Surveying, Mapping and Geosciences Subcommittee of the Civil GPS Service Interface Committee on 9/16. Updates on the American Association for Geodetic Surveying and the CSRC were the two topics. The CSRC content focused on work being done under the NGS Grant - Geodesy Track and the Intra-Frame Deformation Model, specifically the SCIP utility.
- The Coalition of Geospatial Organizations (COGO) will be issuing a 2024 Report Card on the condition of the core data themes of the National Spatial Data Infrastructure (NSDI). The Geodetic Control theme has been given an A- grade. Scott shared the draft report with Dana Caccamise and he had some concerns about the assumptions that were made and the risks that were ignored when issuing such a high grade. Scott suggested that NGS contact COGO to express their concerns. COGO issued previous such report cards in 2015 and 2018.

### **Executive Manager Report (Helmer)**

Greg will contact Brian Conway, Arizona Department. Greg presented on September 2024 at the Cal Poly Pomona (CCP) Geomatics Conference: National Spatial Reference System (NSRS) Modernization: North American Terrestrial Reference Frame (NATRF) and North American-Pacific Geopotential Datum of 2022 (NAPGD 2022) and Effects on Land Surveying. DWR stations have a month of data. We need to communicate with CLSA about our web updates.

**EC Bylaws Reminder:** "Participation: If any member of the Executive Committee fails to attend three or more consecutive regular meetings of the Committee, the other Committee members, at their discretion, may declare that the member's position is vacant." ([http://sopac-csrc.ucsd.edu/wp-content/uploads/2020/01/CSRC\\_Bylaws.pdf](http://sopac-csrc.ucsd.edu/wp-content/uploads/2020/01/CSRC_Bylaws.pdf), page 5)

- Open Issues
- New Business

- CSRC Coordinating Council Meeting, November 7, Sacramento DWR Offices - Thank you for hosting Pat and DWR!
  - Presentations: AGS, National Society of Professional Surveyors (NSPS) Geodetic Certification, Scott Martin and DWR and GNSS Stations, Pat Tami; we may need only one presentation or two short presentations; possible presenters: Scott Peterson at Fresno State, Eric Albanese at PG&E, John Tosto at LADWP, and Valley Water.
  - With confirmation from DWR and from CLSA on 9/24, Maria will work getting Zoom Webinar and on the meeting announcement.
  
- Announcements/Meeting Dates
  - **Next Executive Committee Meeting Date (4<sup>th</sup> Wednesday of the Month at 9 AM):**  
October 23, 2024.
  
- Adjournment at 10 AM