

SEAC SEISMIC COMMITTEE

9:00 AM, November 30, 2023

Meeting Notes (Zoom Meeting)

1. **Member Attendees:** *Gene Stevens, Deniz Uludag, Tom Tarcha, Scott Albertoni, James Horne, Zach Bowden, Rob Jackson*
Guest Attendees: *Joellen Thiel, Emily Drosselmeyer*
2. **Deniz Uludag is the Secretary of the NCSEA Seismic Code Advisory Committee and Rob Jackson is an At-Large member. We will go over some of the topics that were discussed at the recent committee meeting at the NCSEA Summit on November 7th.**
 - *The committee has put together an ASCE-7 Seismic Irregularities Guide (Rob to copy to SEAC Seismic)*
 - *The Seismic Workflow document (item 5 below) will be ready for review in 1st quarter of 2024.*
 - *Possible webinars include multi-hazard-controlled buildings, Chapter 13, implementation of Omega and other topics.*
 - *Committee will have opportunities for review of upcoming code changes and can propose changes.*
 - *Low seismic issues or recommendations are being requested. The NIST /ATC document “NIST GCR 23-041 - Seismic Practice Needs for Buildings and Lifeline Infrastructure Located in the Central and Eastern United States” has been added to the NCSEA Seismic Basecamp files as a reference for future actions.*
 - *Next NCSEA Seismic meeting is in January 2024.*
3. **SEAC involvement in the “Colorado Earthquake Resilience Investigation – Public Schools Code Review and Rapid Visual Screening Pilot Investigation (FEMA BRIC Grant). FEMA P-154 screenings completed in Summit County on October 27.**

Screenings took place as planned. Screeners were:
Rob Jackson, Deniz Uludag, Ben Cook, Michael Haughey (CEHMC), Andrew Stam, Chris Adams, Richard Haight, Thomas Lutz, Owen Zukowski, Beth Mical, Borhan Jaberi, Nick Claggett, Isabela Gonzalez, Scott Albertoni, Bill Bischof (State of CO), and Joellen Thiel (State of CO)
Steve Boand and Emily Drosselmeyer participated as observers.
Six buildings were screened for FEMA P-154 Level 1 (+) criteria. Scores were all below 2.0 and therefore Level 2 screening is recommended. Most were RM1 buildings (reinforced masonry with flexible diaphragms). The drawing reviews and information that were made available ahead of the actual screenings made for a more detailed evaluation. The fact that most were pre-Benchmark and some pre-code contributed to the lower numbers. One school (the Middle school) was understood to be a “shelter.” The form allows this to be checked but does not specifically address the required screening in further detail as a result of the checked box. “Hot wash” forms were made available to the participants. These are to be returned to Emily and Steve Boand. The idea is to get feedback on the process. Pictures will be added to the forms. Ben, Emily and Michael took pictures.
4. **March 7, 2024, SEAC Presentation to Colorado ICC. Our committee will provide two presentations for the Seismic portion:**
 - a. **Colorado Seismicity and the Codes - Rob Jackson**
 - b. **Turkey earthquakes: Performance of Typical Buildings: Türkiye Earthquake Sequence on February 6 – Deniz Uludag**

This is part of the Colorado ICC Education Institute.
Rob also mentioned that Jeannete Torrents reports that the Managing Director of ICC Product Development is looking for engineers who are willing to teach classes around the country.
5. **Upcoming review of draft of NCSEA “Basic Seismic Design Workflow with Examples for Low Seismicity” paper by Thomas F. Heausler, former Chair of the NCSEA Seismic Code Advisory Committee.**

6. Additional topics of interest.

Dennis is heading up the Colorado ASCE “Report Card” effort. There will be opportunities for SEAC to influence this process. Rob mentioned that prior versions have focused the “School” section on STEM related issues as opposed to school building functional recovery and structural integrity.

7. Future meetings. *Next meeting to be in February 2024. Rob will send out a poll to determine best times and days.*