



FEMA-NIBS BSSC PROVISIONS UPDATE COMMITTEE

Burlingame, CA

March 9, 2016

Summary Minutes

Participants

Provisions Update Committee

David Bonneville, Degenkolb Engineers (Chair)
Pete Carrato, Bechtel Corporation
Kelly Cobeen, Wiss Janney Elstner
C.B. Crouse, AECOM
Dan Dolan, Washington State University
Anindya Dutta, Simpson Gumpertz & Heger
S.K. Ghosh, S.K. Ghosh Associates
John Gillengerten, Consulting Engineer
Ron Hamburger, Simpson Gumpertz & Heger
Jim Harris, James Harris & Associates
William Holmes, Rutherford & Chekene
John Hooper, Magnusson Klemencic Associates
Gyimah Kasali, Rutherford & Chekene
Charles Kircher, Charles Kircher & Associates
Philip Line, American Wood Council
Bret Lizundia, Rutherford & Chekene
Jim Malley, Degenkolb Engineers
Bonnie Manley, American Iron and Steel Institute
Robert Pekelnicky, Degenkolb Engineers
Rafael Sabelli, Walter P. Moore
John Silva, Hilti
Greg Soules, CB&I

BSSC Board of Direction

Jim Sealy, Chair
Jim Cagley, Vice-Chair, Cagley & Associates
Jennifer Goupil, At-Large, ASCE
Fred Turner, At-Large, SSC

BSSC Members and Guests

Patrick Bodwell, Verco Decking
Philip Caldwell, Schneider Electric
Jason Collins, PCS Structural Solutions
Julie Furr, Chad Stewart & Associates
John Heintz, Applied Technology Council
John Siu, City of Seattle, Washington

USGS

Nicolas Luco
Sanaz Rezaeian (by telephone)

NIST

Siamak Sattar, National Institute of Standards and Technology

FEMA/NIST/NIBS

Mai Tong, Federal Emergency Management Agency
Michael Mahoney, Federal Emergency Management Agency
Robert Hanson, University of Michigan
Philip Schneider, NIBS

David Bonneville opened the first 2020 cycle Provisions Update Committee (PUC) meeting at 8:30 a.m. with a review of the agenda (see Attachment No. 1). Jim Sealy, the BSSC Board of Direction Chair, thanked the new PUC members for their service. Introductions were conducted. Five new PUC members for this cycle are Pete Carrato, Anindya Dutta, William Holmes, Bret Lizundia, and Jonathan Stewart. Also, new to this cycle, all industry representatives on the PUC have been made into SMEs representing only the PUC. David read the Institute anti-trust statement.

Mai Tong, the FEMA Project Officer, stated that a five-year task order contract is supporting the PUC and Project 17, and thanked the PUC members for volunteering time. The 2015 Provisions hard copy publication is now available, and the Provisions DVD will soon be available.

John Hooper, the ASCE 7 Seismic Subcommittee (SSC) liaison, reported that the ASCE Main Committee efforts will soon be complete, and that Supplement No.1, including Commentary updates, will be ready by September-October. At the ICC (International Code Council) April 17-26 hearings in Louisville, ASCE 7-16 with Supplement No. 1 is expected to be adopted for reference in the IBC (International Building Code). Ron Hamburger mentioned two potential protests based on base isolation and wind criteria. Jim Harris asked for ASCE public comments to be made available for PUC review.

Outlining a five fiscal year cycle schedule (see Attachment No. 2), David Bonneville projected three meetings per year with one more before the end of this year, and the last meeting occurring in early 2020. Ballots will start early next year with the first ballot to provide adoption of ASCE 7-16 after it is made available. The last PUC ballot will occur early to mid-2019 followed by

the last MO (member organization) ballot. FY 2020 will be devoted to the Provisions document development.

Ron Hamburger, the Project 17 Committee (P17C) Chair, described how Project 17 once every ten years analyzes the USGS map rules to develop the engineering design maps. In a two-year effort, the rules will be revised and mapping recommendations developed through consideration of four issues: precision and uncertainty, acceptable risk, multi-point spectra and deterministic caps. The products of the work groups addressing these issues will affect the 2020 Provisions, especially, Chapter 21. The PUC agreed that P17C will act as one or more ITs (Issue Teams) and bring proposals directly to the PUC. At each PUC meeting, progress on Project 17 will be reported. Nico Luco described the need for the P17C to coordinate with NGA East in mid-2018. Afterwards, the USGS will provide values at selected locations for the development of the design maps, which is expected to take only a few months.

David Bonneville introduced the draft PUC Procedures edited and reformatted through the efforts of Mai Tong, Philip Schneider and himself, but not intended to change the way PUC business is done. Areas where the previous procedures were silent have been made explicit. In a follow-on discussion of the Procedures the PUC generated the final document shown with edits included in Attachment No. 3 and in clean copy in Attachment No. 4. Votes were taken on several clauses as follows:

- Item III. C, second paragraph: the PUC voted 14 for, 5 opposed and 1 not-voting to eliminate voting by corresponding members.
- Item IV. B.3. 10: the PUC voted down leaving unedited Item 10 on consideration of a failed PUC ballot - 8 for, 11 opposed and 2 not-voting; then subsequently voted 15 for, 1 opposed, and 1 non-voting for the revised language allowing a PUC vote to consider resolution of comments .
- Item IV. B.3. 11: the PUC voted 19 for, 0 opposed and 1 not-voting to delete item 11 that allowed a failed PUC ballot to proceed to the BSSC Board of Direction with the assent of 20% of the members of the PUC.

By PUC consensus, a suggestion by Bonnie Manley to add meeting notification to the Procedures was deferred until the next PUC meeting, and the Procedures as edited should move forward to the BSSC Board for review and approval.

The following corresponding members were appointed: Adrian Rodriguez-Marek, chair of the Earthquake Engineering and Soil Dynamics committee of the Geo-Institute by a PUC vote of 20 for, 0 opposed and 1 not-voting, and Jason Collins, PCS Structural Solutions, by a PUC vote of 18 for, 0 opposed and 1 not-voting.

The PUC turned to the business of assembling the 2020 cycle ITs. Jim Cagley, chair of the Issues and Research Advisory Committee presented four issues (see Attachment No. 5) developed by BSSC members. S.K. Ghosh presented a grouping of the ideas (see Attachment No. 6) from the report *Issues and Research Needs Identified During the Development of the NEHRP Recommended Seismic Provisions for New Buildings and Other Structures*. He stated that materials should only be considered when life-safety is an issue; otherwise, the PUC should

communicate on materials issues with the Structural Standards Coordinating Council, consisting of AISC, ACI, ASCE and others, that meets quarterly. The PUC using S.K.'s list then developed eight issues teams and one study group listed in Attachment No. 7 that includes issues to be considered under each IT.

The PUC invited ASCE to provide proposals from a list of issues presented (see Attachment No. 8) by John Hooper, however, the item for Appendix 11B is not considered a PUC issue. For John Egan's shallow soils issue from the Issues and Research Advisory Committee list, C.B. Crouse was asked to send an e-mail to John requesting him to submit a proposal to the PUC.

Attachment No. 7 also includes a partial list of the names of IT chairs, PUC liaisons, and members. Philip Schneider will send an invitation to the BSSC members, the PUC membership and the member organizations seeking candidates interested in joining one or more ITs. Resumes will be acquired from each candidate and circulated to the PUC. A teleconference will be arranged to select candidates to fill in remaining IT positions.

The next face-to-face meeting of the PUC will be in July or early August in Burlingame, CA. Philip Schneider will send a Doodle Poll to establish the meeting date.

The meeting adjourned at 5:15 p.m.