

**ASCE "Raise The Bar" Newsletter
March 2006 Vol. 3, No. 1**

The ASCE Committee on Academic Prerequisites for Professional Practice (CAP³) has continued its efforts to raise the educational requirements for the future practice of civil engineering at the professional level (licensure). This effort is an on-going, long-term effort. Below is a summary for each of our committees.

Second Edition of the Body of Knowledge (BOK) Committee

Richard O. Anderson, P.E. is the Chair of the committee, Kenneth J. Fridley is the co-chair, and Stuart G. Walesh is the editor. Other committee members include JoAnne Silverstein, John Mason, Anirban De, Mahoj Jha, Dan Lynch, Bob Mackey, Tim Lengyel, Melanie Lawrence, Ken Fridley, Ron Harichandran, David Lange, Decker Hains, and William Knocke. There are over 20 corresponding members to this committee who will review various work products and offer their input and feedback. The committee held its first face-to-face meeting at the end of January in Tampa, FL. The committee reviewed *The Engineer of 2020* reports from the National Academy of Engineering (NAE). They are currently reviewing the first edition of the Body of Knowledge. They have organized 14 subcommittees to review existing outcomes (technical breadth, communication, specialization, leadership, public policy, and multi-,inter-,cross disciplinary teams) in the BOK as well as some new topics (sustainability, globalization, emerging technologies, history/heritage, attitudes, discovery mode, and risk & uncertainty). The committee is holding weekly conference calls to work through the 14 topics. The next face-to-face meeting will be in May. A draft of the second edition is expected to be available for broad distribution and comment in August of this year. It is anticipated that the Second Edition of the BOK will be released in conjunction with Engineers' Week on February 21, 2007 at the National Academy of Engineering. If you are interested in details about the committee, please contact Rich Anderson at Roapel@aol.com

Curricula Committee

The committee will fulfill its charge by the end of March. The committee continues to work on mapping the BOK outcomes on existing curriculum. This process has identified many suggestions on how to improve the next edition of the BOK.



Licensure Committee

The licensure committee has been busy assisting in the National Council of Examiners for Engineering and Surveying (NCEES) in starting the discussion on draft Model Law language that would include additional education in the future. The UPL&G committee just initiated discussions. It appears that a draft of the Model Law language has been prepared. NCEES will continue to work with the council and licensing boards in the process.

It is possible that a motion for additional education in the future could be brought to the floor of the NCEES Annual meeting in Anchorage, Alaska in September.



Accreditation Committee

The accreditation committee continues to refine the draft civil engineering program criteria along with supporting commentary and advanced level general criteria. The draft criteria has been reviewed by the CAP³ accreditation constituent committee and the ASCE Committee on Curricula and Accreditation (CC&A). The criteria are being discussed within the Committee on Academic Prerequisites for Professional Practice (CAP³). It is anticipated that the final draft of the criteria will be forwarded to the Criteria Committee of ABET's Engineering Accreditation Commission (EAC). It is anticipated that the civil engineering program criteria, if approved by the various ABET committees, will be effective for evaluations during the 2008-2009 accreditation cycle. The draft commentary can be found on www.asce.org/raisethebar.

Key Interactions

The committee has just finished participating in the 4 ASCE leadership and management zonal meetings. We were able to make a presentation and field questions regarding the effort. We have also met with the leaders of ABET, ACEC Design Professionals Coalition, and NAE and are increasing our interactions with IEEE-USA and ASME.

Questions, comments, or suggestions, please contact Jeffrey S. Russell at russell@engr.wisc.edu