THE DEVELOPMENT OF TECHNOLOGY STANDARDS FOR COMPETENCIES AND COMPETENCY FRAMEWORKS

Valerie Smothers\(^1\) and Rosalyn Scott\(^2\)

\(^1\)MedBiquitous, Baltimore, Maryland, USA; \(^2\)Charles R. Drew University of Medicine and Science, Los Angeles, California, USA

**Summary:** This electronic poster session will summarize current standards development efforts related to competencies and competency frameworks and explain the benefit of a standards-based approach to leveraging competency frameworks. The session will benefit those implementing systems that use competency frameworks to track student activity or manage the curriculum.

**Details:** Health professions educators are increasingly identifying the outcomes expected of the educational process, and specialty boards are implementing continuous measurement of physician competence. The Scottish Doctor Learning Outcomes, the ACGME Core Competencies, and the Institute of International Medical Education’s Essential requirements are just a few examples of competency frameworks that are driving education and being implemented and tracked within the curriculum.

Currently few software systems allow educators to link curricular activities and resources to a separate competency framework. A standard format for competency data would enable the exchange of competency lists among assessment organizations and educating organizations as well as the incorporation of competency lists into curriculum management systems, allowing developers to implement the competencies by linking curricular activities and resources to competency frameworks. In addition, a competency standard would allow for the development of portfolio systems allowing a learner to view their completed activities against a list of required competencies.

The MedBiquitous Competencies Working Group is gathering requirements for competency frameworks and working with the Institute for Electrical and Electronics Engineers (IEEE) Study Group to coordinate standards development in this area. This presentation will provide an update on the various standards development efforts, describe how standards might be leveraged for the benefit of educators and learners, and provide examples of current work in the development of technology standards for competency frameworks.

**References:** The MedBiquitous Competency Working Group Wiki, [http://groups.medbiq.org/confluence/display/CWG/Home](http://groups.medbiq.org/confluence/display/CWG/Home)


**Presenting speaker:** Valerie Smothers, MedBiquitous, 401 E Pratt St., Suite 351, Baltimore, MD 21202, [valerie.smothers@medbiq.org](mailto:valerie.smothers@medbiq.org), [http://www.medbiq.org](http://www.medbiq.org), tel: 410-385-26367 x131, fax: 410-385-6055