MedBiquitous Business Case/Working Group Charter – Curriculum Inventory Specification and Schema

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Please complete this form in its entirety. The first four sections (Mission, Context, Goals, Environmental Scan) must be completed prior to the start of the project. The remaining sections can contain preliminary answers but must be updated during the course of the project.

The questions in each section are meant to serve as prompts. Answering them directly is not required.

Working Group Charter

Mission

The mission of the MedBiquitous Curriculum Inventory Specification and Schema working group is to develop data standards to enable the exchange of curriculum content and curriculum management data across organizations and systems.

Context

MedBiquitous is the ANSI-accredited developer of information technology standards for health professions education and credentialing.

In the mid-2010s, the Association of American Medical Colleges convened focus groups of educational experts, technology developers, external vendors, and medical school curriculum administrators to discuss the development of a new Curriculum Inventory system designed to integrate with existing curriculum management systems most schools have in place. Such a system would collect a subset of data about a curriculum for purposes of benchmarking and educational research. Data will likely include competencies and objectives, assessment and educational methods, etc.

Launched in 2005, the MedBiquitous Competencies Working Group (http://www.medbiq.org/working_groups/competencies/index.html) has developed a conceptual whitepaper that outlines how curricula may be linked to a competency framework that in turn drives education and assessment. Two specifications have emerged from this conceptual framework: the MedBiquitous Competency Object and MedBiquitous Competency Framework specifications. The MedBiquitous Competency Object specifies how one may define a single competency. The MedBiquitous Competency Framework allows one to create relationships, hierarchical and non-hierarchical, among sets of related competencies. These specifications will facilitate the integration of competencies, outcomes, and objectives into the curricular data.

As health professions education programs improve their curriculum data management practices and desire to share with others, the need for this standard continues to increase.

Goals

The development of health professions education curricula is a time consuming and complex task. Educational reform efforts are encouraging the development of non-traditional curricula that use novel and innovative methods for teaching and assessment. In many institutions there is a push towards competency-based learning as the cornerstone of curriculum development efforts. In addition, health

professions reform has mandated that new content or competencies be integrated into the curriculum, including cultural competencies, patient safety, team-based learning, systems-based practice, etc.

In parallel, a predicted shortage of physicians has resulted in the growth of new medical schools in the US and other countries. Such schools have the herculean task of developing a medical school curriculum from scratch.

Institutions could facilitate their curriculum reform and development efforts by sharing curricular data with one another. A shared curriculum inventory would allow institutions to find out how other institutions are addressing common problems, implementing reforms, and integrating novel teaching and assessment techniques into the curriculum. A technology standard for core curricular data is essential to enable sharing of curricular information and to accelerate the dissemination of curricular innovations.

Scope

06-2021

The initial scope of work for this working group will be to finalize the requested changes to the standard proposed by Angela Blood, Director of the AAMC Curriculum Inventory team.

A secondary charge is to consider the evolution of the standard as new education models emerge and data exchange technologies become available.

Standards Environmental Scan

At present the author of this proposal does not know of any direct conflicts with existing standards development efforts.

Work Plan

Please describe the anticipated timeline for this project and any anticipated resources needed by members of the working group.

This working group will be meeting monthly. The duration for the initial scope of work is estimated to be less than 6 months. At that time the future scope for this working group will be determined.

The following set of resources will be made available to MedBiquitous working groups.

- Workspace. (Exists on the Higher Logic virtual community platform provided by AAMC.) Conducting the day to day business of the working group will be done utilizing Workspace. The platform allows for document sharing and curation, voting, task management and reporting. The platform will support our ANSI-compliant standards development process.
- Wiki. MedBiquitous Knowledgebase will serve as a public facing resource documenting the standards development process. All content published to this site will be curated by the working group leads and editors.
- Microsoft Teams. Meetings of the working group supported by MedBiquitous Program Staff will be conducted utilizing Microsoft Teams.
- SharePoint. Only on an as needed basis, access to MedBiquitous SharePoint will be granted for the creation of MS Word, Excel and PowerPoint documents. SharePoint will NOT be the primary resource for sharing official documents or storing research materials.
- Literature Reviews. The AAMC Resource Center staff are available to assist with focused literature reviews.

- Altova MissionKit (including XMLSpy). Any schemas that need to be documented with graphics or other processing can be done with this suite of tools. The MedBiquitous program staff have licenses for this use.

The following sections should be updated during the standards development project, but attempts should be made to complete them during the initial submission of this form. Sample questions are provided for each section.

Business Case

Intended Outcomes

In what ways do you want health professions education and credentialing to be improved after this project?

What alternative solutions could emerge in parallel to what is being proposed/worked on?

What is the best option to pursue in support of the digital ecosystem of health professions education? (Documented as a work flow diagram)

What is the proposed technical solution? (Provide link to MedBiquitous Technical Use case document for this project)

How can we track the effectiveness of this standard, technical guideline or other work product of this project?

Implementation and Adoption Plan

Who is the target audience for this standard?

What materials need to be shared with them to help them understand the purpose of the standard and proper use?

Where/What are the channels for distribution?

When/What is the timeline for release to the public/market?

Validating Business Case

What issues can we anticipate?

What issues are already outstanding?

When are the milestones to determine the viability of the project output in the marketplace? (Must provide at least one check-in after 6 months of project development.)

What is the schedule for maintenance of the standard/technical guideline/other work product? (Required minimum: reaffirmation of an unrevised version every 5 years, with the initiation of the project for reaffirmation at least 15 months prior to the 5-year mark)