

MedBiquitous Business Case/Working Group Charter – Health Professions Education Curriculum Exchange

Document version: 1.1

Date: 1/9/23

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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 MedBiquitous 2030 initiative envisions a future where community-driven, standards-based solutions such as a Health Professions Education Curriculum Exchange (HPECE) can support medical and health professions education and credentialing. The mission of this working group would be to explore the need for standards relevant to HPECEs and determine the ways in which academic, regulatory, and industry partners could collaborate to develop such standards that promote the development of accessible, interoperable, and scalable HPECEs that support the sharing and exchange of curricular content among diverse health professions education institutions and associations.

Context

In a recent LCME survey, over 80% of medical schools indicated that a curriculum change was being planned or had been implemented within the last three years. Schools are placing greater emphasis on problem-based learning, team-based learning, small group activities, and self-directed learning, which require new approaches from faculty as well as modern curricular resources that would be difficult to develop fully at a single institution.

Among the goals for MedBiquitous 2030 is an HPECE, where modular curricular content and assessments—tagged with learning objectives and competencies—can be shared and repurposed from one program to another. The goal would be to evolve on the vision of shared curriculum exchanges and build standards to support them. This would leverage work done by the MedBiquitous Curriculum Data Exchange Working Group (CDEWG) and align with the work that IEEE has done on the Standard for Learning Object Metadata as well as efforts driven by its Learning Technology Standards Committee.

Goals

The working group would set out to explore potential standards requirements for content developed for a Health Professions Education Curriculum Exchange, with a focus on open development and dissemination. The working group would also validate the need for a network exchange model and identify potential end users.

Scope

The scope for this project is to explore the need and potential for standards to support the MedBiquitous 2030 vision for an HPECE and align them with existing MedBiquitous standards and MedEdPORTAL as an existing content dissemination model.

Standards Environmental Scan

While there are versions of content and peer-to-peer marketplaces, such as Learning Object Repositories, Teachers Pay Teachers, and Doctor on Demand, the idea of an open health sciences curriculum content exchange is novel. The CDEWG is exploring the development of potential standards for curriculum data, but not content. Also, there exist standards for metadata exchanges and student information exchanges (eg, LTI), but there are no content exchange standards.

Work Plan

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

The working group would begin meeting in March 2023 and continue working for 9 months on analyzing the potential and need for a new Health Professions Education Curriculum Exchange standard.

Initial members of the working group will include:

- Alan Lesse, MD, Jacobs School of Medicine and Biomedical Sciences at the University at Buffalo
- Hugh Stoddard, MEd, PhD, Emory University
- Joan Stanley, PhD, CRNP, FAAN, FAANP, American Association of Colleges of Nursing
- Tao Le, MD, MHS, ScholarRx
- Terence Ma, PhD, MBA (individual)

Potential milestones and desired outcomes may include:

- Additional environmental scans and analyses of relevant existing or market-adjacent standards
- Engagement with CDEWG to identify opportunities for alignment and collaboration
- A proof of concept to characterize potential sharing transactions between two schools and a vendor
- A validated business case for HPECE standards

The following set of resources are currently 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)