



MedBiquitous Accelerated Standards Development Project Plan: Educational Achievement

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Introduction

Founded by Johns Hopkins Medicine and leading professional medical societies, MedBiquitous is a not-for-profit, international group of professional medical and healthcare associations, universities, commercial, and governmental organizations dedicated to advancing healthcare education through technology standards that promote professional competence, collaboration, and better patient care. MedBiquitous is accredited by the American National Standards Institute (ANSI) to develop information technology standards for healthcare education and competence assessment.

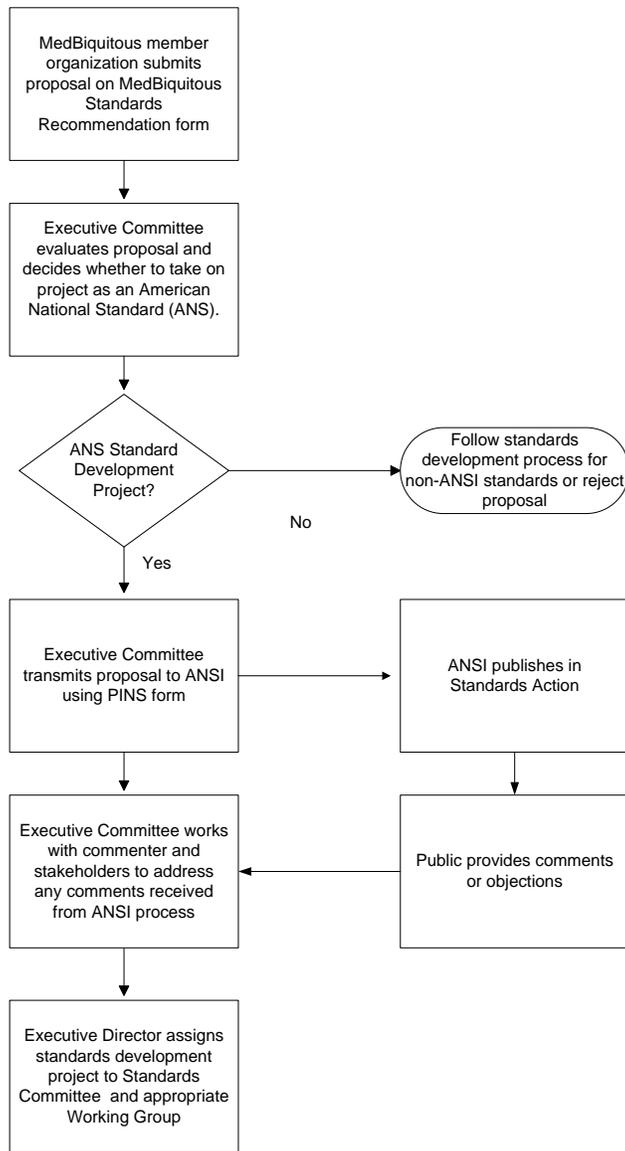
The Association of American Medical Colleges and the National Board of Medical Examiners among other organizations in the House of Medicine wish to accelerate the development of technical standards to enable the exchange of educational achievement data. MedBiquitous serves as an independent contractor on this project developing a technical specification on an accelerated timeline.

The project plan (this document) serves to inform the project team about the major tasks of the educational achievement project, its context within the broader standards development process, and the roles and responsibilities of each project team member. Sponsors must sign off on the project plan to indicate acceptance of the work, process, and responsibilities described. Sponsors are welcome to request changes to the project plan before sign off.

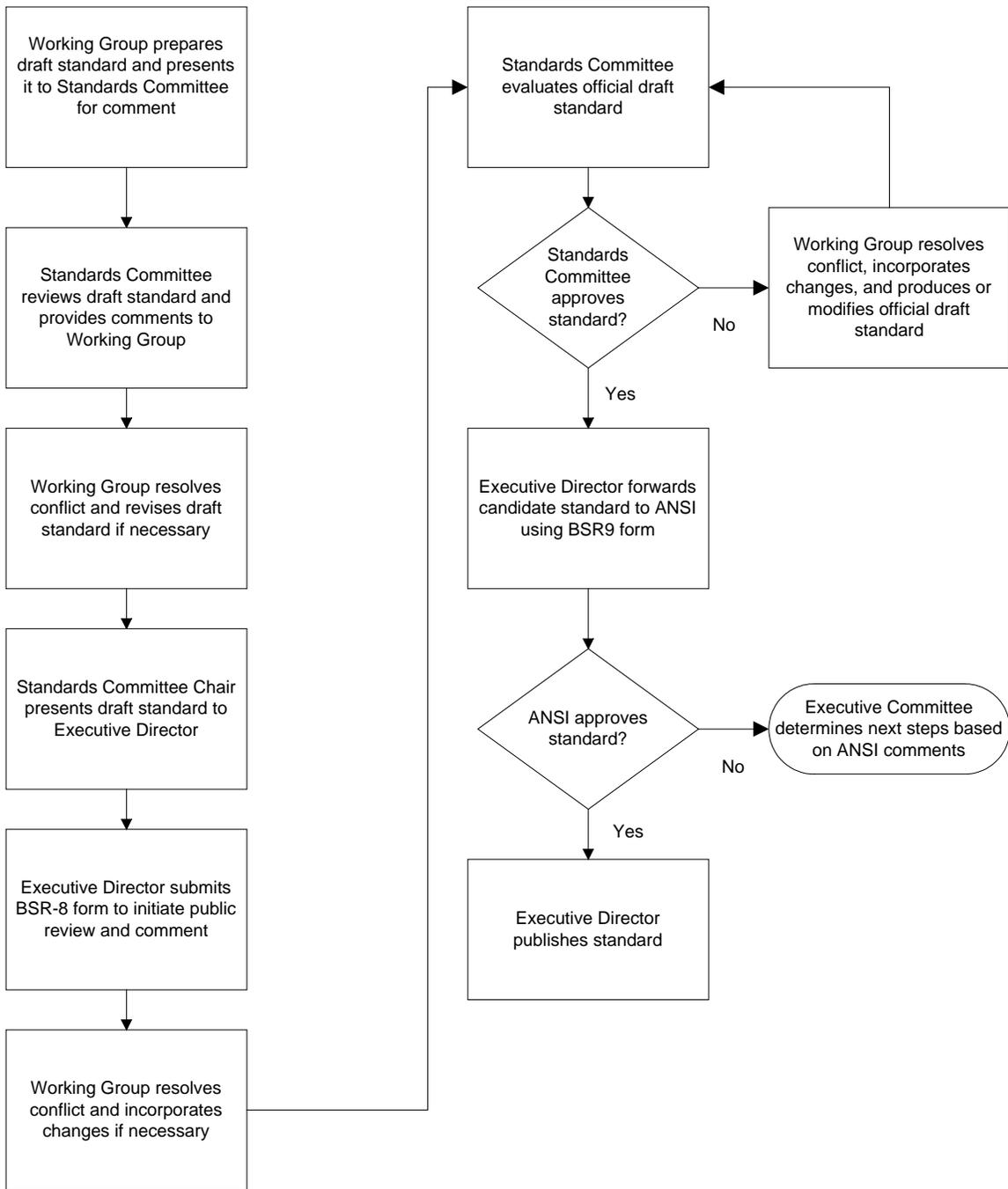
Overview of MedBiquitous Standards Development Process

The MedBiquitous standards development process is described in detail in the MedBiquitous Standards Program Operating Procedures

(http://www.medbiq.org/std_specs/devprocess/MedBiquitousANSIProcess.pdf) The following flowcharts provide an overview of the process. The accelerated standards development project does not address submission of the specification to the standards committee or any steps to be taken thereafter. It focuses on the initiation of the standards development project and the accelerated development of a draft specification for interoperability testing.



MedBiquitous Standards Development Process: Standards Project Initiation



MedBiquitous Standards Development Process: Technical Development and Finalization

The bulk of development occurs within the MedBiquitous Working Group. The Working Groups bring together stakeholders from a diverse set of materially affected parties. Each participant agrees to contribute intellectual property to the development of open technical standards. MedBiquitous staff provides technical and administrative support to the working group. Working group members provide the subject matter expertise essential to the development of the technical specification. Ultimately, the specification is submitted to the MedBiquitous Standards Committee for review and balloting as an ANSI

standard. The working group supports the work of the Standards Committee by providing recommendations on any comments or objections raised.

Objectives

The objectives of the project are as follows:

- Develop an initial technical specification for the exchange of educational achievement data across medical schools and residency programs.
- Provide assistance to the medical education community in ensuring interoperability of educational achievement data.

Timeline

The project will use the following accelerated standards development timeline.

ID	Task Name	Start	Finish	Duration	2010		2011				
					Q3	Q4	Q1	Q2	Q3	Q4	
1	Develop Project Proposal	06/01/2010	06/30/2010	4.4w	■						
2	Develop Project Plan	06/25/2010	11/01/2010	18.4w	■	■					
3	Expand working group	07/01/2010	04/01/2011	39.4w	■	■	■	■			
4	Review Use Cases	06/28/2011	07/26/2011	4.2w					■		
5	Data Analysis	07/26/2011	09/12/2011	7w						■	
6	Specification Development	09/12/2011	10/27/2011	6.8w							■
7	Test Interoperability	10/27/2011	12/15/2011	7.2w							■

Description of Tasks

Review Use Cases (6/28/2011 – 7/26/2011)

A use case is a scenario or set of scenarios describing a user interacting with a system to achieve a specific goal. The development of use cases is an important component of the standards development process because it allows the working group to formally define the goals of the standard and how it will be used, and then prioritize which of those use cases are most important to the group. The priorities help to define the scope of the specification and provide important information about the context.

The working group will review educational achievement use cases developed within the E-portfolio Advisory Group (EAG). MedBiquitous staff will iterate with the working group to finalize and prioritize the use cases.

Data Analysis (7/26/2011 – 9/12/2011)

The Working Group will gather requirements on educational achievement data for inclusion in the specification. If there are existing approaches to capturing educational achievement, each of those will be reviewed and analyzed. Example records and visual diagrams may be analyzed at this point. The data included in each approach will be compared to assess areas of commonality and difference. Even if the

current approach to capturing achievement is narrative, the sources of data and types of data included will be analyzed. The group will discuss issues including:

- Data fields to be included
- Granularity of data
- Data seen as out of scope

The work done related to milestones in residency will be analyzed as part of this process.

Draft Specification (9/12/2011 – 10/27/2011)

MedBiquitous staff will draft technical specifications and potentially an XML schema for the Working Group to review. Reviews will be conducted via teleconference. Working Group members will also have the opportunity to submit feedback via email listserv or wiki. Specification development is an iterative process and largely depends on the input and involvement of working group members. Scope may increase or change depending on the composition of the working group and its input.

Test Interoperability (10/27/2011 – 12/15/2011)

MedBiquitous staff will assist the stakeholders involved in the Project in adopting the specification and assuring interoperability. Stakeholders will assign technical staff to implement the draft specification in the appropriate IT system(s). In order to participate in the test of interoperability, a stakeholder must be capable of compiling data conformant with the specification. MedBiquitous will convene conference calls to:

- 1) Address any questions about the specification and its implementation
- 2) Design the interoperability test
- 3) Discuss options for transporting data across institutions
- 4) Discuss any other practical issues that arise

The lessons learned from this test will be incorporated into implementation guidelines to be developed after completion of the project.

Schedule of Deliverables

Deliverable	Estimated Completion Date
Project Proposal	June 30, 2010
Project Plan	November 1, 2010
Expansion of Work Group	April 1, 2011
Finalization of appropriate use cases	July 26, 2011
Construction of technical specification(s)	October 27, 2011
Testing for interoperability	December 15, 2011

Continuance of Work

An initial specification will be developed and tested by December 15, 2011, but finalization of the specification will likely continue after completion of the project, in part through the public review and balloting process within MedBiquitous standards development procedures. Work to be completed after the completion of the project is likely to include:

- Addressing issues raised as a result of implementation testing
- Development of implementation guidelines
- Public review of the specification
- Balloting of the specification
- Addressing comments raised through the public review and balloting processes