

Open Health Tools - HL7 Project Charter

Toronto – November 2007



OHT HL7 Project Charter

Overview

- The Open Health Tools (HL7 Tooling) Project is an open software development project, which aims to provide second generation tools to support the HL7 version 3 message modeling methodology.
- The toolset will be based on the Eclipse Platform and/or Eclipse Tools.
- The HL7 tools supporting the v3 message modeling methodology will be designed to be an integral part of a wider suite of tools covering conformance/testing, clinical content modeling and terminology maintenance.

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Mission

- Provide a technical architecture and the key components of a Health Level Seven (HL7) development environment based on the Eclipse software platform that will enable fast and efficient development of high quality message specifications that can be machine-enforced.
- Must be developed in conjunction with complementary tooling modules that deliver an integrated environment for developing interoperability and conformance specifications for use within Healthcare Applications.

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The HL7 Tooling Project is intended to:

- provide designers, developers and vendors of health systems with an integrated development environment for the design of interoperability components based on a shared artifact repository
- provide a means for business and clinical content modeling and terminology artifacts to be integrated within the message design and specification environment
- Enable message specification artifacts to be integrated into the conformance environment in order to allow automated testing and conformance checking of message instances.

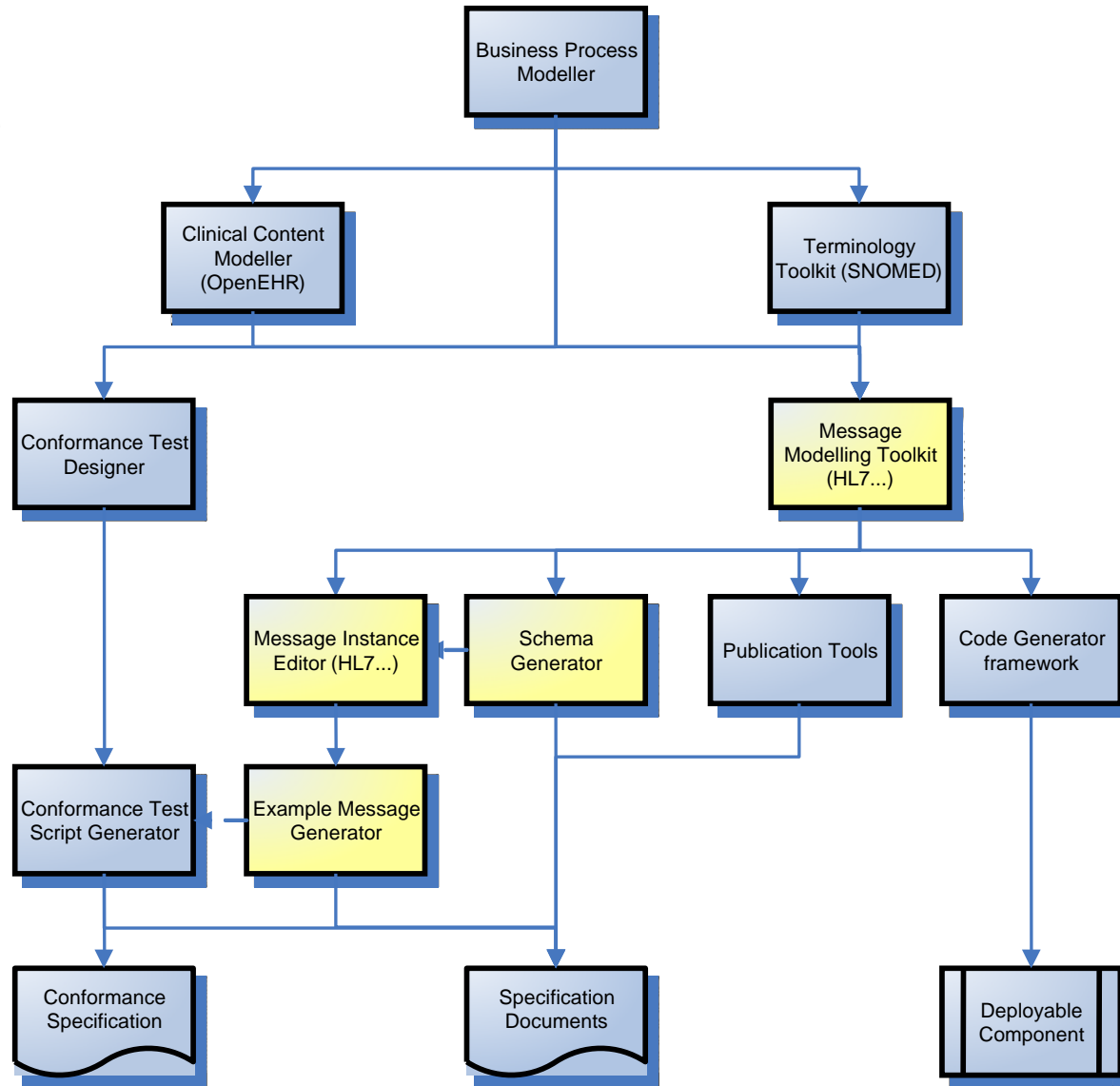
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Scope and Expected Contributions

- the scope of the HL7 Tooling Project will encompass a wide variety of both small subprojects, and a few larger ones. The most obvious of which is the static RMIM designer, which is the centre piece of HL7 modeling, delivery of this component will provide the architectural framework on which the ancillary and smaller subprojects will depend.
- It is essential that the HL7 Tooling Project is coordinated with the sibling projects within OHT in order to ensure the delivery of an integrated development and conformance environment delivered through a shared artifact repository.

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Project Scope



NHS contribution

Instance editor (Eclipse) – already in OHF

Static Model compare (Eclipse) – ready to release

Message generator (Eclipse) – ready to release

RMIM designer (Visio-based) – available on request

RMIM designer (Eclipse) – going to tender

XML process engine (Apache) – ready to release

Message Validator (Eclipse) – under consideration

Vocabulary server (EJB, mysql) – ready to release

NHS benefits to date

75% reduction on message design time

90% reduction on message maintenance

Significant reduction in quality issues

Introduction of HL7 templates has enabled Summary
Care Record architecture

And ...

Life is a lot more fun