HL7 Working Group Updates from the TSC for the week of August 4, 2014

Project Approvals

Health Care Devices Project scope statement to Develop FHIR resources and profiles for the second DSTU release, for Health Care devices of DESD cosponsored by Mobile Health of SSD SD at Project Insight # 1103 and TSC Tracker 3278. This project will identify and define additional FHIR resources related to the domain of Health Care Devices to be published in the second FHIR DSTU release. This will include support for reporting of alert / alarm conditions signalled by a health care device, as well as remote control of device operations. It will also update existing Health Care Devices FHIR resources to reflect DSTU feedback and to harmonize with the new alert and control resources. These resources will be defined using the available FHIR tooling and in accordance with documented quality guidelines and balloted as part of the FHIR specification.

Medical device alert and remote control are both safety critical applications. Development of these resources should take this into consideration to ensure that critical requirements may be supported by implementations, factoring in relevant standards such as ISO 14971 and IEC 60601-1-8.

As was achieved in the FHIR DSTU DeviceObservationReport resource, the resources created by this project will leverage as appropriate the ISO/IEEE 11073 semantic content standards, including ISO/IEEE 11073-10101 Nomenclature and ISO/IEEE 11073-10201 Domain Information Model, to ensure semantic continuity throughout the exchanges.

Expected FHIR resources to be produced include:
- DeviceAlertReport
- DeviceControlOperation
- DeviceServiceControl

Develop Immunization-related FHIR resources for DSTU 2 (Public Health and Emergency Response) at Project Insight 1119 and TSC Tracker 3365 for PHER of DESD. This project will update "key" FHIR resources related to the domain of Immunization. These resources will be defined/updated using the available FHIR tooling and in accordance with documented quality guidelines and balloted as part of the initial FHIR specification. Expected FHIR resources to be updated include: Immunization, and ImmunizationRecommendation. In addition, as the committee deems appropriate and time availability permits, it will define a small number of FHIR extensions relevant to domain content and expected to be necessary to support consistent early implementations."

Develop FHIR resources for Clinical Genomics at Project Insight 1110 and TSC Tracker 3366. This project will identify and define the initial set of "key" FHIR resources related to the domain of clinical genetics/genomics and family history/pedigree sufficient for personalized medicine. These resources will be defined using the available FHIR tooling and in accordance with documented quality guidelines and balloted as part of the initial FHIR specification. Expected FHIR resources to be produced include: GeneticFamilyHistory and GeneticVariationObservation. In addition, as the committee deems appropriate and time availability permits, it will define a small number of FHIR extensions relevant to domain content and expected to be necessary to support consistent early implementations.

OO FHIR DSTU Monitoring and Maintenance at Project Insight # 1115 for OO of SSD SD.

Monitoring and Answering (when appropriate) comments received during the FHIR DSTU time frame. Additionally, applying QA criteria as determined by the FMG and FBG to the resources owned by OO. Namely:
- Device
- Substance
- Supply
- Observation
- DiagnosticOrder
- DiagnosticReport

- Specimen
- Order
- OrderResponse

As needed, updates will be made to meet current QA requirements.
The scope will be managed through the OO workgroup.

Lab Order Logical Specification R1 (OO FHIR Lab Orders) at Project Insight 1068 for OO of SSD SD. This project will focus on applying the lab order conceptual model behavioural analysis to the workflow aspects of FHIR Order and Order Response with the goal of ensuring the major use cases are satisfied by the existing resources. Where appropriate, FHIR profiles for specific use cases may be developed. Additionally, requirements from the LOI Implementation Guide will be assessed to inform the FHIR workflow requirements. If necessary, learnings from this analysis may inform the project work to update the Conceptual Model (project id 1067)

Develop imaging-related FHIR resources for the second DSTU release for II WG of SSD SD at Project Insight # 1107. This project will identify and define additional FHIR resources related to the domain of Imaging to be published in the second FHIR DSTU release. This will include support for study object manifests, key image notes, and similar DICOM data. It will also update existing Imaging FHIR resources as necessary to reflect DSTU feedback and new quality guidelines. These resources will be defined using the available FHIR tooling and in accordance with documented quality guidelines and balloted as part of the initial FHIR specification.
Expected FHIR resources to be produced include:
- Study object manifests
- Key image notes

Other Approvals

The TSC approved the ballot entries for the 2014Sep cycle at Updated_2014Sep TSC Ballot Approvals List20140804.docx.

The TSC Reviewed and endorsed a guidance document on Help Desk engagement with WGs.

The TSC reviewed survey results of conformance testing interest and recommended that the next conformance testing should be CCDA as specified in MU2.

Deadlines coming up to the 2014September Plenary and WGM:
- 2014-08-08 Ballot opens; Ballot pool signup closes BEFORE THE BALLOT OPENS
- 2014-08-29 Deadline to request presentation at the cochairs dinner/meeting and provide draft presentation

How to find TSC information
The TSC wiki site houses its minutes, process documents, templates, links to the ArB wiki and the TSC Issue Tracker, a list of current projects, and more. You can access the TSC wiki at: http://www.hl7.org/permalink/?TSCWiki.   See the links below for instructions on how to view the list of projects and access the TSC Issue Tracker.

- TSC Tracker: link to http://gforge.hl7.org/gf/project/tsc/tracker/?action=TrackerItemBrowse&tracker_id=313
- Project Insight Searchable Database: link to http://www.hl7.org/permalink/?searchableProjectIndex
- Project List on GForge: link to http://gforge.hl7.org/gf/project/tsc/frs/?action=FrsReleaseBrowse&frs_package_id=98

- Project Insight: link to http://www.hl7.org/permalink/?ProjectInsight, (requires PMO-assigned log in credentials)
- Project Insight: link to http://www.hl7.org/permalink/?ProjectInsight, (requires PMO-assigned log in credentials)
- Work Group Health (WGH) wiki: see http://hl7tsc.org/wiki/index.php?title=Work_Group_Health
- Projects, Ballots and Standards (PBS) Metrics: see http://gforge.hl7.org/gf/project/tsc/frs/?action=FrsReleaseBrowse&frs_package_id=169.