

2017 TSC Decisions

HL7 Working Group Updates from the TSC for February 3, 2017:

Project Approvals:

The [Project Approval Request](#) by the OO WG of the SSD-SD for *Ordering Service Interface Specification Project* at [Project Insight 1010](#) and [TSC Tracker 12481](#) was approved. This project will trial the updated OMG / HL7 / FHIR collaboration process. Additionally, there is a need to provide the ability to manage, federate and publish order, pharmacy and laboratory catalogues on the FHIR platform.

STU Extension Requests:

The [STU Extension Request](#) by the PHER WG of the DESD for *HL7 CDA® R2 IG: Reporting to Public Health Cancer Registries from Ambulatory Healthcare Providers, R1, DSTU Release 1.1 - US Realm* at [Project Insight 1069](#) and [TSC Tracker 12458](#) was approved for 12 months. The guide would benefit from additional feedback from several EHR vendors that have recently started or plan to soon begin testing and/or implementation.

STU Publication Requests:

The [STU Publication Request](#) from the CQI WG of the DESD for *HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture (QRDA III), Release 2 - US Realm* at [Project Insight 896](#) and [TSC Tracker 12483](#) was approved. The guide will direct implementers on how to construct QRDA Category III instances in conformance with HITECH eMeasures to represent the query results obtained from the distributed queries. This work effort further aligns with the work taking place in HL7 to update the Health Quality Measure Format (HQMF) Implementation Guide. In addition, this project leverages and harmonizes similar activities within and outside HL7 to avoid duplication of existing efforts.

The [STU Publication Request](#) by the CQI WG of the DESD for *HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture (QRDA I), Release 1, STU Release 4 - US Realm* at [Project Insight 210](#) and [TSC Tracker 12482](#) was approved. This two-volume implementation guide (IG) describes constraints on the Clinical Document Architecture Release 2 (CDA R2) header and body elements for Quality Reporting Document Architecture (QRDA) documents. This current project incorporates errata approved since the publication of QRDA Category I R1 STU 3.1. The updates of the QRDA Category I R1 STU 4 also include updates of templates to align with Quality Data Model (QDM) version 4.3.

STU Update Requests:

An [Unballoted STU Update Request](#) by the PHER WG of the DESD for *HL7 CDA® R2 Implementation Guide: Public Health Case Report, Release 2, STU Release 1.1 (US Realm) - the Electronic Initial Case Report (eICR)** at [Project Insight 1216](#) and [TSC Tracker 12574](#) was approved.

HL7 Working Group Updates from the TSC for February 10, 2017:

Project Approvals:

The [Project Approval Request](#) by the PHER WG of the DESD for *HL7 Version 2.6 Implementation Guide: Vital Records Birth and Fetal Death Reporting, Release 2 (US Realm)* at [Project Insight 816](#) and [TSC Tracker 12716](#) was approved. This project will expand upon Release 1 to: 1) Provide a comprehensive representation of the information provider organizations send to state/jurisdictional vital records agencies; 2) Include information reported by state/jurisdictional vital records agencies to CDC/NCHS for birth and fetal death reporting events; 3) Describe the information provided by CDC/NCHS back to the state/jurisdictional vital records agencies; and 4) Address common state/jurisdictional vital records agencies reporting requirements that extend beyond the U.S. national standard that is based on the Birth Edit Specifications for the 2003 Revision of the U.S. Standard Certificate of Birth; and the Fetal Death Edit Specifications for the 2003 Revision of the U.S. Standard Report of Fetal Death.

The [Project Approval Request](#) by the PHER WG of the DESD for *Occupational Data for Health (ODH) Elements and Structure in HL7 V2 Messaging and FHIR* at [Project Insight 1290](#) and [TSC Tracker 12715](#) was approved. This project will develop a V2 messaging structure and FHIR artefact (e.g. resource or profile) for communicating Occupational Data for Health (ODH) elements, aligned with the ODH C-CDA template. The ODH C-CDA template is in ballot reconciliation following a comment-only ballot through the Structured Documents WG.

The [Project Approval Request](#) by the FM WG of the SSD-SD for *Reaffirm HL7 Version 3 Standard: Accounting & Billing, R2* at [Project Insight 1289](#) and [TSC Tracker 12714](#) was approved. This standard will reach its 5-Year anniversary since being approved by ANSI on 2017-06-05.

The [Project Approval Request](#) by the FM WG of the SSD-SD for *Reaffirm HL7 Version 3 Standard: Claims and Reimbursement, R4* at [Project Insight 1288](#) and [TSC Tracker 12713](#) was approved. The standard will reach its 5-Year anniversary since being approved by ANSI on 2017-06-05.

The [Project Approval Request](#) by the Structured Docs WG of the SSD-SD for *C-CDA R2.1 Volume 3 Update* at [Project Insight TBD](#) and [TSC Tracker 12712](#) was approved. After the publication of C-CDA R2.1 Volume 3 this project will issue an update to add the templates developed in the C-CDA R2.1 companion guide. These templates currently include: Birth Sex, Section Time Range, Notes Section, and Note Activity.

STU Extension requests:

The [STU Extension Request](#) by the CDS WG of the SSD-SD by the CDS WG of the SSD-SD for *HL7 Version 2 Implementation Guide: Implementing the Virtual Medical Record for Clinical Decision Support (vMR-CDS), Release 1* at [Project Insight 184](#) and [TSC Tracker 12743](#) was approved for 6 months for the purpose of bringing the material back to ballot.

The [STU Extension Request](#) by the CDS WG of the SSD-SD for *HL7 Version 3 Standard: Clinical Decision Support; Virtual Medical Record (vMR) Templates, Release 1* at [Project Insight 1030](#) and [TSC Tracker 12742](#) was approved for 6 months for the purpose of bringing the material back to ballot.

The [STU Extension Request](#) by the CDS WG of the SSD-SD for *HL7 Standard: Clinical Decision Support Knowledge Artifact Specification, Release 1, DSTU Release 1.3* at [Project Insight 931](#) and [TSC Tracker 12741](#) was approved for 6 months for the purpose of bringing the material back to ballot.

The [STU Extension Request](#) by the SOA WG of the FTSD for *HL7 Version 3 Specification: Event Publish & Subscribe Service Interface, Release 1 (US Realm)* at [Project Insight 1051](#) and [TSC Tracker 12744](#) was approved for 12 months.

The [STU Extension Request](#) by the SOA WG of the FTSD for *HL7 Version 3 Specification: Unified Communication Service Interface, Release 1 (US Realm)* at [Project Insight 1052](#) and [TSC Tracker 12745](#) was approved for 12 months.

The [STU Extension Request](#) by the OO WG of the SSD-SD for *HL7 V3 Standard: Food and Medication Preferences, Release 1* at [Project Insight 1009](#) and [TSC Tracker 12702](#) was approved for 12 months.

STU Publication Request:

The [STU Publication Request](#) by the OO WG of the SSD-SD for *HL7 V3 Standard: Orders; Diet and Nutrition Orders, Release 1* at [Project Insight 902](#) and [TSC Tracker 12703](#) was approved for 24 months. The HL7 v3 Nutrition Orders Standard – Universal Realm is a messaging specification intended to standardize the electronic transmission and exchange of nutrition orders including oral diets, enteral nutrition (tube feeding and infant formula requirements) and nutritional supplements in health care facilities across the continuum of care. Nutrition orders along with documented food allergies, intolerances and food preferences are required to safely provide inpatients or residents with nutritionally appropriate foods.

Normative Publication Request:

The [Normative Publication Request](#) by the CDS WG of the SSD-SD for *HL7 Version 3 GELLO Implementation Guide: Clinical Decision Support; Model Definition Language for GELLO, Release 1* at [Project Insight 1211](#) and [TSC Tracker 12721](#) was approved.

HL7 Working Group Updates from the TSC for March 3, 2017:

Project Approvals:

The [Project Approval Request](#) by the OO WG of the SSD-SD for *Newborn Dried Blood Spot Screening Lab Order Component/ Implementation Guide* at [Project Insight 1312](#) and [TSC Tracker 12836](#) was approved. The purpose of this project is to include implementer feedback and update to using the LOI Framework as basis for exchanging a standardized NDBS laboratory order and then ballot as a profile component of the LOI Framework (currently R1S2). This message will send all electronic NBS DBS laboratory test orders from the laboratory that requests the testing to the testing laboratory.

WG Dissolution Request:

The [WG Dissolution Request](#) by the BRIDG WG of the DESD at [TSC Tracker 12837](#) was approved.

STU Extension Requests:

The [STU Extension Request](#) by the PHER WG of the DESD for *HL7 Version 2.6 Implementation Guide: Early Hearing Detection and Intervention (EHDl) Results, Release 1 DSTU* at [Project Insight 898](#) and [TSC Tracker 12794](#) was approved for 12 months for the purpose of allowing time to bring the project to ballot in the next year.

Informative Publication Requests:

The [Informative Publication Request](#) by the Clinical Genomics WG of the DESD for *HL7 Domain Analysis Model: Clinical Sequencing* at [Project Insight 841](#) and [TSC Tracker 12701](#) was approved. This document develops a domain analysis model for various use cases in clinical genomics with an emphasis on clinical sequencing. The model describes and outlines a multitude of use cases and scenarios in which clinical sequencing testing is currently recommended (i.e. somatic testing) or in which patient genomics can be pertinent for clinical or commercial decision making (i.e. trial feasibility). Relevant stakeholders, standards, and workflow diagrams help to practically illustrate the testing and decision making process and the manner in which orders and information is exchanged between patients, clinicians, laboratory technicians, geneticists, EHR, government agencies, etc. The document further discusses the current and future challenges associated with the implementation and utilization of clinical genomics, and the intent of the document is to inform standards developers for the design of interoperable solutions to these challenges and use cases.

Normative Publication Request:

The [Normative Publication Request](#) by the Pharmacy WG of the DESD for *'HL7 Version 3 Standard: Medication; Knowledge-Based Query, Release 1 (reaffirmation)'* at [Project Insight 1286](#) and [TSC Tracker 12793](#) was approved. This topic covers the issuing of queries to medication knowledge base applications for such information as medication monographs, regimens and therapies.

HL7 Working Group Updates from the TSC for March 17, 2017:

Project Approvals:

The [Project Approval Request](#) by the Learning Health System WG of the DESD for *Care Team Domain Analysis Model* at [Project Insight 1317](#) and [TSC Tracker 12923](#) was approved. This project will construct a domain analysis model (DAM) of the patient centered care team unique for an individual including health professionals, caregivers in healthcare organizations, family members, community caregivers, clinical investigators and other individuals or organizations involved in support services. Characteristics of team members are expected to include name, professional licenses and certifications, organizational and jurisdictional IDs, contact information including electronic end-point addresses.

The [Project Approval Request](#) by the Vocab WG of the FTSD for *Unified HL7 Terminology Governance Process* at [Project Insight 1306](#) and [TSC Tracker 12926](#) was approved. The project will develop a detailed process for unified vocabulary governance in HL7 across V2, V3, CDA, and FHIR, leveraging off the initial work done by Ted Klein and Lloyd McKenzie and reviewed at the Baltimore WGM and with Wayne Kubick. This process will be recommended to be adopted by the TSC and/or Board for implementation across HL7; this implementation and

adoption are subsequent to the process definition, and outside the scope of the project. The project will outline tasks and their sequences, personnel, tooling requirements, dependencies, and all other details necessary for proceeding to develop an implementation plan. The process will include a suggested strawman implementation plan as well.

The [Project Approval Request](#) by the CIC WG of the DESD for *Trauma Registry Data Submission CDA Implementation Guide CDA R2* at [Project Insight 1311](#) and [TSC Tracker 12929](#) was approved. This project will update the current normative CDA implementation guide supporting submissions to the American College of Surgeons' (ACS) National Trauma Data Bank (NTDB) to comply with the 2017 release of the NTDB, including performance measures.

Informative Publication Requests:

The [Informative Publication Request](#) by the Structured Docs WG of the SSD-SD for *HL7 CDA® R2 IG: CCDA Templates for Clinical Notes R1 Companion Guide, Release 1* at [Project Insight 1236](#) and [TSC Tracker 12924](#) was approved. The guide provides supplemental guidance to the Health Level Seven (HL7) CDA® R2 IG: C-CDA Templates for Clinical Notes STU Release 2.1 in support of the ONC 2015 Edition Health IT Certification Criteria (2015 Edition) Certified Electronic Health Record Technology requirements. This guide provides additional technical clarification and practical guidance to assist implementers to support best practice implementations of the 2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record (EHR) Definition, and ONC Health IT Certification.

Withdrawal Request

The [Withdrawal Request](#) by the CIC WG of the DESD for *HL7 CDA® R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm* at [Project Insight 1214](#) and [TSC Tracker 12928](#) was approved. Changes made to the 2016 version will be rolled into the 2017 version.

Other Approvals

The TSC approved the request to change the name of the Regulated Clinical Research Information Management (RCRIM) Work Group to the Biomedical Research and Regulation (BR&R) Work Group. The TSC approved updates to the [Protocol Specification Withdrawal Template](#).

HL7 Working Group Updates from the TSC for March 28, 2017:

Project Approvals:

The [Project Approval Request](#) by the BRIDG WG of the DESD for ***BRIDG Model Update*** at [Project Insight 1310](#) and [TSC Tracker 13049](#) was approved. The scope of this project is to ballot a new release of BRIDG.

The [Project Approval Request](#) by the RCRIM WG of the DESD for ***Structured Product Labeling (SPL R8)*** at [Project Insight 1314](#) and [TSC Tracker 12925](#) was approved. The scope of this project is to describe the use of SPL Release 8 as the data exchange format to support ISO IDMP Technical Specifications. This will result in updates to Common Product Model. The ISO IDMP Technical Specifications will describe data exchange considering the content requirements for five (5) ISO International Standards.

The [Project Approval Request](#) by the Clinical Genomics WG of the DESD for ***Reaffirmation of HL7 Version 3 Standard: Clinical Genomics; Pedigree, R1*** at [Project Insight 1287](#) and [TSC Tracker 13120](#) was approved. Pedigree is a data standard for transmitting family health histories between systems. This includes describing a patient's full pedigree with diseases and conditions, and the option to link genetic data and risk analysis. The model has the ability to transmit complete family history information for clinical decision support.

The [Project Approval Request](#) by the ITS WG of the FTSD for ***Reaffirmation of HL7 Version 3 Standard: Transport Specification - ebXML Using eb MS2.0, R1*** at [Project Insight 1284](#) and [TSC Tracker 13117](#). The current specification is expiring in June 2017. The specification is known to be in use and there are

currently no requests for changes therefore the existing published specification should be reaffirmed for another 5 years.

STU Publication Requests:

The [STU Publication Request](#) from the FMG for **HL7 Fast Healthcare Interoperable Resources (FHIR®), Release 3 (STU)** at [Insight 891](#) and [TSC Tracker 13031](#) was approved. This third DSTU release includes a significant increase in the number of supported resources as well as revisions to previously published resources reflecting implementer feedback and increased maturity and stability.

The [STU Publication Request](#) from the US Realm Steering Committee for **HL7 FHIR Profile: US-Core, Release 1.0.0** at [Project Insight 1143](#) and [Project Insight 1265](#) and [TSC Tracker 13061](#) was approved. The US Core Implementation Guide version 1.0.0 defines the minimum conformance requirements for accessing patient data as defined by the Argonaut pilot implementations and the ONC 2015 Edition Common Clinical Data Set (CCDS). These requirements were originally developed, balloted, and published in FHIR DSTU2 as part of the ONC sponsored Data Access Framework (DAF) project. In addition to Argonaut, these profiles are used by DAF-Research, QI-Core, and CIMI, and are intended to be the foundation for future US Realm guides.

The [STU Publication Request](#) by the FHIR-I WG of the FTSD for **HL7 FHIR® Profile: Data Access Framework (DAF) Research, Release 1** at [Project Insight 1143](#) and [TSC Tracker 13119](#) was approved. The Data Access Framework (DAF) Initiative helps reduce barriers in extracting patient data from clinical data sources through the use of a Query Stack that is composed of modular and substitutable standards. The use of the DAF will help advance interoperable representation and transmission of data from HealthIT systems (EHRs, Data Warehouses, etc.).

The [STU Publication Request](#) by the PCWG of the DESD for **HL7 Service Functional Model: Coordination of Care Service, STU Release 1** at [Project Insight 924](#) and [TSC Tracker 12792](#) was approved. The scope of this specification is to define the functions or capabilities required for effective coordination of care systems. It includes illustrative story boards and care team collaboration illustrative models. This service functional model (SFM) will define the scope of the 255 requirements for a subsequent phase of the project which will define a technical services specification. The service capabilities define the functions and may not map to a technical service operation with a 1-to-1 relationship.

The [STU Publication Request](#) by the OO WG of the SSD-SD for **HL7 FHIR® Implementation Guide: Structured Data Capture (SDC), Release 2 STU** at [Project Insight 1104](#) and [TSC Tracker 13116](#) was approved. This implementation guide is intended to support clinical systems in the creation and population of forms with patient-specific data. It defines a mechanism for linking questions in forms to pre-defined data elements to enable systems to automatically populate portions of the form based on existing data, either locally or by invoking an operation on a third-party system. Specifically, this implementation guide explains how the four resources (using defined profiles) – DataElement, Questionnaire, QuestionnaireResponse, and ValueSet – can be used to support auto-population of forms and data extraction. It also describes secure interaction specifications using RESTful services to allow access, display, population, and saving of resources.

Informative Publication Requests:

The [Informative Publication Request](#) by the BRIDG WG of the DESD for **BRIDG R2** at [Project Insight 1120](#) and [TSC Tracker 12795](#) was approved. The goal of the BRIDG Project is to produce a shared view of the semantics of a common domain-of-interest, specifically the domain of basic, pre-clinical, clinical, and translational research and its associated regulatory artifacts.

STU To Normative Notifications:

The [STU to Normative Notification](#) by the Templates WG of the FTSD for **Templates Release 2** at [Insight 1043](#) and [TSC Tracker 13048](#) was approved.

HL7 Working Group Updates from the TSC for April 14, 2017:

Project Approvals:

The [Project Approval Request](#) by the Structured Docs WG of the SSD-SD for *Virtual C-CDA Implementation-A-Thon (IAT)* at Project Insight TBD and [TSC Tracker 13164](#) was approved. This project seeks to conduct a virtual C-CDA Implementation-A-Thon, similar to the virtual FHIR Connect-a-thon. The goal is to continue the success of past face to face C-CDA IATs but at a lesser cost and commitment than the F2F IATs.

Normative Publication Requests:

The [Normative Publication Request](#) by the CQI WG of the DESD for *HL7 Version 3 Standard: Representation of the Health Quality Measures Format (eMeasure)* at [Project Insight 508](#) and [TSC Tracker 13163](#) was approved. The Health Quality Measures Format (HQMF) is a standard for representing a health quality measure as an electronic document. A quality measure is a quantitative tool that provides an indication of an individual or organization's performance in relation to a specified process or outcome via the measurement of an action, process or outcome of clinical care.

Informative Publication Requests:

The [Informative Publication Request](#) by the Structured Docs WG of the SSD-SD for *HL7 CDA® R2 Implementation Guide: Clinical Summary Relevant and Pertinent Data, Release 1* at [Project Insight 1183](#) and [TSC Tracker 13142](#) was approved. This guide is primarily focused on improving the relevance and pertinence of C-CDA documents as experienced by the clinician, which means as displayed or "rendered." Other guides, including the C-CDA Companion Guide, focus mainly on the structured content. This is an informative document providing principles for development, and guidance on what information should and should not be present and appropriate in both coded clinical statements (entries) and narrative content in an automatically generated clinical summary (e.g., CCD, Discharge Summary, Referral Note, Consultation Note, etc.). It does not create new templates or models, but simply explains how to use existing Consolidated CDA (C-CDA) templates.

Other Approvals:

The TSC approved the [Proposed Definition](#) of Interest Groups at [TSC Tracker 12980](#).

HL7 Working Group Updates from the TSC for May 24, 2017:

Project Approvals:

The [Project Approval Request](#) by the ARB for *Substantive Change Definition and Documentation* at [Project Insight 1259](#) and [TSC Tracker 9799](#) was approved. This project is to 1) Produce a unified working definition of substantive change as required in "HL7 Essential Requirements" (Health Level Seven International, Inc. 2016, 02.09.04); 2) Socialize the definition to all co-chairs and other interested parties; 3) Work with other HL7 Work Groups to publish it to a permanent location on an HL7 managed platform; and 4) Subsidiary tasks will include finding all of the references and directing the process to change all of them to point to the new permanent location.

The [Project Approval Request](#) by the Structured Docs WG of the SSD-SD for *C-CDA R2.1 Volume 3 Update – Advance Directives Templates Clarifications* at [Project Insight 1323](#) and [TSC Tracker 13304](#) was approved. This project will examine issues identified with the Advance Directives Templates defined in C-CDA R2.1. It will

develop new-version or substitute templates for the existing Advance Directive templates to address these problems and add more/clearer guidance within the templates to address implementer's questions.

STU Publication Requests:

The [STU Publication Request](#) by the Pharmacy WG of the DESD for *HL7 FHIR® Profile: Pharmacy; Medication, Release 1* at [Project Insight 1291](#) and [TSC Tracker 13215](#) was approved. The US Meds Implementation Guide is based upon the FHIR STU3 specification. It promotes the consistent use of pharmacy FHIR resources in US Realm Electronic Health Record Systems (EHRs) to provide consumer and provider access to patient medications. The IG provides specific guidance on how to access a patients' active and historical medications, including prescriptions, dispenses, administrations and statements. It also proposes a specific approach to creating new outpatient prescriptions and to record a dispensed medication.

STU Extension Requests:

The [STU extension request](#) by the OO WG of the SSD-SD for *HL7 Version 3 Domain Analysis Model: Laboratory Orders, Release 1* at Project Insight TBD and [TSC Tracker 13305](#) was approved. This conceptual model forms the basis of logical model work occurring in the Order Service and FHIR Order Workflow initiatives. There is an approved project for update of this material (project 1067). The workgroup would like to extend the STU period to allow those activities to provide feedback into this model before it is updated.

Other Approvals:

The TSC accepted the initial CDA Management Group Mission and Charter.

HL7 Working Group Updates from the TSC for June 9, 2017:

Project Approvals:

The [Project Approval Request](#) by the Education WG of the T3SD for ***HL7 FHIR Certificate of Knowledge Program*** at [Project Insight 1321](#) and [TSC Tracker 13430](#) was approved. This project will create a FHIR proficiency test allowing test takers to demonstrate their knowledge and understanding of the specification. This is a basic proficiency test, not a professional credentialing test. It will be multiple choice, multi-select, and true/false and based on the STU3 specification and not on field knowledge. Those who pass the test will receive the FHIR Proficiency Certificate, a Certificate of Knowledge. The project includes the creation of test competencies, a study guide based on competencies, the exam and practice questions with evidence for defensibility, beta pilot execution and evaluation and general launch.

The [Project Approval Request](#) by the Project Services WG of the T3SD for ***Project Life Cycle for Product Development (PLCPD)*** at [Project Insight 1328](#) and [TSC Tracker 13431](#) was approved. The Project Life Cycle for Product Development (PLCPD) was published in 2008. It was developed during the Transition/Project Lifecycle Task Force initiative, and then transitioned to the Project Services Work Group. The 2017 update focuses on the project management aspect of developing HL7 "products", e.g. standards, implementation guides, etc. It is intended to help members understand and navigate HL7's project requirements.

The [Project Approval Request](#) by the PIC WG of the T3SD for ***Decision Making Practices (DMP) Simplification Project*** at Project Insight TBD and [TSC Tracker 13432](#) was approved. DMP can be hard to figure out at a glance WG by WG, e.g. if/how a WG has deviated from the default (standard) DMP. This project would make the DMP one for all. A supplemental or summary of ONLY the changes to the standard DMP would be posted with changes called out exclusively.

The [Project Approval Request](#) by the Vocabulary WG of the FTSD for ***Specification for Value Set Expansion*** at [Project Insight 1325](#) and [TSC Tracker 13434](#) was approved. Expansions are the implementable artefacts from a value set definition. The VSD STU does not define the details of the content of a value set expansion, nor the standard layout of that content. This project will define this and any additional artifacts

necessary, and produce an STU for Value Set Expansions which is intended to harmonize the diverse approaches the existing product lines have taken to define the content and layout of implementable value set expansions. It will also address the migration strategy for the product lines.

The [Project Approval Request](#) by the CIMI WG of the FTSD for **Integration of Information Models and Tools (IIM&T)** at [Project Insight 1316](#) and [TSC Tracker 13115](#) was approved. This project intends to demonstrate how computable interoperability can be achieved through the coordination of the CIMI Logical Model with physical message models such as FHIR.

Informative Publication Requests

The [Informative Publication Request](#) by the SOA WG of the FTSD for **HL7 Implementation Guide: Cross-Paradigm Interoperability Implementations (X Paradigm): Immunization, Release 1** at [Project Insight 863](#) and [TSC Tracker 13433](#) was approved. This implementation guide will explore the Service-Aware Interoperability Framework (SAIF) methodology to show how various HL7, IHE and OMG immunization-related artifacts can be deployed to satisfy immunization interoperability use cases. The project will provide feedback to the MnM SAIF Implementation Guide project regarding artifacts and governance necessary to develop this projects deliverables. It will build upon existing artifacts rather than create anything new.

HL7 Working Group Updates from the TSC for June 15, 2017:

Project Approvals:

The [Project Approval Request](#) by the OO WG of the SSD-SD for **LOINC - IVD Test Code (LIVD) Mapping** at [Project Insight 1335](#) and [TSC Tracker 13491](#) was approved. The objective of the project is to define an implementation guide on how to convey existing and future LOINC to IVD Test Code mappings using FHIR resources that enable laboratories to more efficiently and effectively map lab test/analyze codes between the two code systems. The requirements will be provided through the “Digital Format for Publication of LOINC for Vendor IVD Test Results” white paper published by IICC in cooperation with the NLM and CDC.

HL7 Working Group Updates from the TSC for June 30, 2017:

STU Publication Approvals:

The [STU Publication Request](#) by the CQI WG of the DESD for **HL7 Version 3 Implementation Guide: Clinical Quality Language (CQL)-based Health Quality Measure Format (HQMF) - Release 1, STU 2 - US Realm** at [Project Insight 1142](#) and [TSC Tracker 13490](#) was approved. This Implementation Guide (IG) defines an approach to using the Clinical Quality Language (CQL) with the Quality Data Model (QDM) and Health Quality Measures Format (HQMF) to define electronic Clinical Quality Measures (eCQMs), also known as eMeasures. The IG describes the use of CQL to express the logic and the US Domain conceptual data model, QDM to express the individual data types and their attributes for an eCQM detailed using the HQMF standard.

The [STU Publication Request](#) for **HL7 Cross-Paradigm Specification: Clinical Quality Language, Release 1** at [Project Insight 1108](#) and [TSC Tracker 13523](#) was approved. The Clinical Quality Language Specification defines a representation for the expression of clinical knowledge that can be used within both the Clinical Decision Support (CDS) and Clinical Quality Measurement (CQM) domains. This 1.2 release includes FHIRPath functionality, Media Types and JSON support, choice types, external library

support, enhanced timing phrases, and numerous fixes and clarifications throughout the specification. A detailed description of the changes can be found at the beginning of the specification.

The [STU Publication Request](#) by the ITS WG of the FTSD for **HL7 Cross-Paradigm Specification: FHIRPath** at [Project Insight 1237](#) and [TSC Tracker 13165](#) was approved. FHIRPath is a path based navigation and extraction language, somewhat like XPath. Operations are expressed in terms of the logical content of hierarchical data models, and support traversal, selection and filtering of data. Its design was influenced by the needs for path navigation, selection and formulation of invariants in both HL7 Fast Healthcare Interoperability Resources (FHIR) and HL7 Clinical Quality Language (CQL).

STU Extension Approvals:

The [STU Extension Request](#) by the PHER WG of the DESD for **HL7 CDA R2 Implementation Guide: National Health Care Surveys (NHCS), R1 DSTU Release 1.2 - US Realm** at [Project Insight 1002](#) and [TSC Tracker 13429](#) was approved.

Other Approvals:

The [Dissolution Request](#) for the Child Health WG at [TSC Tracker 13522](#) was approved. The WG will be absorbed by the Patient Care WG, whose administrative documents will be adjusted to reflect that their focus covers all ages and domains of patient care, including pediatrics.

An updated [Publication Request Template](#) was approved. The cross-product consistency section was eliminated, and the product lines/categories have been updated to match what is currently available on the product brief site.

HL7 Working Group Updates from the TSC for July 20, 2017:

Project Approvals:

The [Project Approval Request](#) by the CDS WG of the SSD-SD for *Composite KNART Investigation* at [Project Insight 1336](#) and [TSC Tracker 13582](#) was approved. The existing Knowledge Artifact (KNART) Specification (STU 1.3) defines specifications for Documentation Templates, Event Condition Action definitions, and Order Sets as independent artifacts. For a variety of use cases, including consult requests, there is a need to create composite artifacts comprised of Documentation Templates, potentially multiple Order Sets and Rules. This PSS proposes an investigative project to flesh out requirements and determine the approach to defining and managing composite KNARTs.

The [Project Approval Request](#) from the Security WG of the FTSD for *Security Labeling Service, Release 2* at [Project Insight 1313](#) and [TSC Tracker 13628](#) was approved. This project will Refine and update the SLS standard based on lessons learned from implementations.

STU Publication Approvals:

The [STU Publication Request](#) from the Attachments WG of the DESD for *HL7 CDA® R2 Implementation Guide: Exchange of C-CDA Based Documents; Periodontal Attachment, Release 1 - US Realm* at [Project Insight 1274](#) and [TSC Tracker 13627](#) was approved for 24 months. The Periodontal attachment is used to convey information about periodontal related services. This includes the business use of claims attachments, prior authorization and pre-determinations. It may also be used for other clinical data exchange functions as needed. The items defined for electronic supporting documentation were developed by the Standards Committee on Dental Informatics of the American Dental Association (ADA).

STU Updates:

The [Unballoted STU Update Publication Request](#) by the CQI WG of the DESD for *HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture (QRDA III), Release 1 - US Realm STU 2.1* at [Project Insight 896](#) and [TSC Tracker 13581](#) was approved.

STU Extension Approvals:

The [STU Extension Request](#) by the EHR WG of the SSD-SD for *HL7 EHR-System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 1* at [Project Insight 706](#) and [TSC Tracker 13577](#) was approved for 12 months. The reason for the extension is that the experts are still searching for resources to update the Functional Profile to R2.

HL7 Working Group Updates from the TSC for August 17, 2017:**Project Approvals:**

The [Project Approval Request](#) by the Structured Docs WG of the SSD-SD for *Revised Pharmacist Care Plan* at [Project Insight 1232](#) and [TSC Tracker 13659](#) was approved. The primary goal of this project is to develop an electronic care plan with enhanced medication management content based on the templates in the HL7 Implementation Guide for C-CDA Release 2.1: Consolidated CDA for Clinical Notes. A secondary goal is to develop a series of FHIR profiles for the same use case based on the C-CDA on FHIR Care Plan document type. This care plan called “Pharmacist Care Plan” will serve as a standardized, interoperable document for exchange of consensus-driven prioritized medication-related activities, plans and goals for an individual needing care. This revision includes FHIR updates.

The [Project Approval Request](#) by the FHIR-I WG of the FTSD for *SMART on FHIR* at [Project Insight 1341](#) and [TSC Tracker 13578](#) was approved. This project is to bring the SMART (Substitutable Medical Applications, Reusable Technologies) Application Launch specification to Health Level 7. This specification enables applications to launch from within diverse health IT systems including EHRs, personal health records, data warehouses, and research environments. Apps are given access to contextual information (e.g. what patient record is open in the surrounding environment) and are authorized to access a limited data set using OAuth 2.0. Single Sign-On is supported using OpenID Connect. The deliverables includes a set of specifications defining a context-passing, app authorization, and SSO mechanisms to support app launch.

The [Project Approval Request](#) by the Attachments WG of the DESD for *Cross-Paradigm Storyboard Artifact: Payer Value-Based Care Perspective* at [Project Insight 1347](#) and [TSC Tracker 13714](#) was approved. This project will develop an HL7 Cross-Paradigm Storyboard Artifact representing a realistic life situation that demonstrates healthcare information interoperability issues that are important from a Payers’ perspective. The deliverable is the storyboard. The storyboard artifact will be applicable across all standards paradigms. It will describe a realistic care scenario which includes issues that are important to payer stakeholders within the healthcare information technology (HIT) ecosystem.

STU Publication Approvals:

The [STU Publication Request](#) for *HL7 CDA® R2 Attachment Implementation Guide: Exchange of C-CDA Based Documents, Release 1 (Universal Realm)* at [Project Insight 1212](#) and [TSC Tracker 13691](#) was approved for 24 months. This implementation guide defines the requirements for sending and receiving standards-based electronic attachments. It does so by applying additional constraints onto standards in common use for clinical documentation and by defining requirements for sending and receiving systems for attachment request and response messages. It defines the set of attachment documents as those

that contain the minimum standard metadata to support basic document management functions including identification of patients and providers, the type of document, date of creation, encounter information, and a globally unique document identifier.

Informative Publication Requests:

The [Informative Publication Request](#) by the CBCC WG of the DESD for *HL7 Cross-Paradigm Implementation Guide: Behavioral Health Data Exchange, Release 1 - US Realm* at [Project Insight 800](#) and [TSC Tracker 13660](#) was approved. This document is intended to provide practical implementation guidance to EHR implementers and integrators who are enabling Behavioral Health EHRs to exchange standard based messages, documents, and resources with other EHR systems using HL7 Meaningful Use IGs (e.g. CDA R2, C-CDA 2.1 IG, HL7 Version 2 LRI) and emerging IGs (e.g. FHIR Data Access Framework – DAF). This IG uses the contents of the HL7 Version 3 Domain Analysis Model: Behavioral Health (BH) Record, Release 2(Product Id: 307) as the basis for requirements and additional constraint applied to CDA, HL7 Version, and FHIR Implementation guides applicable in the US.

The [Informative Publication Request](#) by the ARB for *HL7 Specification: Domain Analysis Model Specifications and Requirements - Canonical Definition Release 1* at [Project Insight 763](#) and [TSC Tracker 13712](#) was approved. This document provides the canonical definition of a Domain Analysis Model. The canonical DAM definition is provided for use by architects, designers, and developers of HL7 conformant DAMs. In its most complete expression, a Domain Analysis Model is a collection of artifacts at the conceptual level that represents a well-defined subject-area-of-interest.