Approved Projects

The TSC approved the following projects:

**SAIF Architecture Program** for TSC, at TSC Tracker # 1810, Project Insight ID #751. The purpose of the SAIF Architecture Program is to coordinate all the activities necessary to “stand-up” HL7’s Enterprise Architecture based on SAIF and maintain that architecture going forward. The program goals include:

- Coordinate projects necessary to instantiate key components of the HL7 Enterprise Architecture (EA) based on SAIF
- Exercise the nascent HL7 SAIF based EA via one or more projects developing standards
- Role out HL7 SAIF based EA to a broader set of HL7 standards with the long term goal of HL7 SAIF based EA being the normal way of developing HL7 standards

**Guidance for the use of Terminology Post-Coordinated Expressions in HL7** for Vocab WG of FTSD at TSC Tracker # 1789, Project Insight ID #743. This project will create and document a set of policies and recommended procedures for the HL7 community relative to post-coordination in terminology as used in HL7 models and messages. It will examine the following:

1) What qualifies a terminology to be permitted to post-coordinate?
2) What existing guidance on post-coordination exists for eligible terminologies?
3) What should the HL7 guidance be on allowances and prohibitions for the use of post-coordination within a specific model. For example, should post-coordination supersede the information model by fully specifying semantics that are represented as concrete attributes?
4) What should be the style guidance on post-coordinated expressions (refer back to termInfo)
5) What, if any, might be potential data type changes that might be needed (particularly in version 2.x) to implement this guidance?
6) Within version 2.x, evaluation of the benefits of the use of post-coordination over the current sub_ID mechanism for communicating complex values.
7) Should there be guidance on which coded attributes should or should not allow post-coordination, and how should such guidance be formulated? Enforced?
8) For coded attributes that are currently constrained more tightly than CD, do these data type assignments need to be relaxed for post-coordination? What are the other impacts on existing models and balloted artefacts?
9) How does the post-coordination grammar look in the HL7 artifact, i.e. terse grammar, or fully expanded with descriptions (see 3)? What about terminologies that do not publish a grammar?

These questions, and probably others, will be examined and answered in the set of documentation to be produced by this project.

**Arden Syntax v2.8,** for Arden Syntax WG of SSD SD at Project Insight ID# 733, TSC Tracker # 1804. The project for Arden Syntax v2.8 will provide revision of v2.7 to incorporate a number of new operators pertinent to flow of control (an iteration break statement and a switch operator), temporal manipulation, string manipulation and list manipulation.

**Arden Syntax v2.9,** for Arden Syntax WG of SSD SD at Project Insight ID# 734, TSC Tracker # 1805. The project for Arden Syntax v2.9 will provide revision of v2.8, developed in part in parallel with it, to incorporate fuzzy logic formalisms and to expand the optional XML representation of the Syntax. This project was approved with the amendment to include a project dependency on the completion of Arden Syntax v2.8 at Project Insight 734.

**Patient Encounter Messaging,** for Patient Administration of SSD SD at TSC Tracker # 1808, Project Insight ID# 736. The work group will reduce the size of the standard by combining the current nine encounter-related topics into a single Patient Encounter topic, reduce the complexity of the standard by eliminating constraints that are not appropriate for the universal standard and implement changes requested by implementers and approved by the work group. This streamlined version of the standard will be put to DSTU ballot in May 2011 with normative balloting to begin following a one year trial period. This project completes the DSTU phase of Patient Encounters (Project 489) and moves to Normative ballot.

**Pressure Ulcer Prevention Domain Analysis Model** for Patient Care of DESD at Project Insight ID# 745, TSC Tracker # 1814. This project will create a domain analysis model (DAM) for capturing and managing pressure ulcer information, including pressure ulcer risk assessment and prevention interventions. The primary use case is the pressure ulcer risk assessment and the planning of preventative interventions, with the primary expectation for implementation (not in scope) being the patient transfer in an IHE e-Nursing Summary.

**HL7 EHR FM Records Management and Evidentiary Support Functional Profile Implementation Guidance – Phase 1 – Environmental Scan and Analysis,** for EHR of SSD SD at TSC Tracker # 1807, Project Insight ID# 739. This is the goal for this multi-phase project is to ballot an informative add-on to the RM-ES Functional Profile and to provide implementation guidance to EHR-S implementers focused on interoperability.
Diet and Nutrition Orders Domain Analysis Model, for OO of SSD SD at Project Insight ID# 738, TSC Tracker # 1809. The goal of the project is to create a Domain Analysis Model (DAM) for diet and nutrition orders which will describe medical diet orders, nutritional supplements, enteral tube feedings and nutrition service-related requests. This project will be a joint project between HL7 and the American Dietetic Association (ADA) and our international counterparts, where ADA representatives along with food and nutrition management software vendors will provide domain expertise to help develop content documents and storyboards. Currently, there is no accepted published vocabulary standard for diet codes. Therefore, this project has potential dependencies with the work products of the Electronic Health Records work group’s Electronic Nutrition Care Process Record System (ENCPRS) project in that the ENCPRS project seeks to leverage the placement of the International Dietetics and Nutrition Terminology into standardized vocabularies such as UMLS, LOINC, SNOMED, or others.

The TSC approved ‘in committee’ for circulation to the co-chairs and Affiliate chairs and for a comment period pending final approval:

TSC Retrospective Self-Assessment Based on T3F Recommendations Project Scope Statement for the TSC at TSC Tracker # 1788, Project Insight ID #749. The Technical Steering Committee (TSC) will undertake a retrospective review of itself (after three full years of operation) based upon the recommendations of the HL7 Technical Transition Task Force (T3F) to the HL7 Board in May 2007, as adopted. The assessment will include a validation of the original recommendations and objectives in light of changes in HL7; the degree to which the current TSC is adhering to those recommendations and meeting those objectives; steps to close any gaps identified; and a revised set of recommendations for the next three years. The resulting report will be provided to the HL7 Board and Working Group as the next TSC three-year plan. Initial cut at "steps": 1. Establish project team responsibilities 2. Agree what are the steps 3. Establish criteria, based on the T3F Report, to be assessed here 4. Assess TSC against criteria by polling the following: a. TSC Membership b. Board Chair, CTO, CEO and Executive Director c. Working Group Co-chairs 5. Create Gap analysis 6. Define recommended changes for TSC 7. Define revisions to the criteria for future 8. Get TSC approval 9. Gain Board endorsement.

Approved Documents
The TSC approved the following DSTU for publication:

HL7 Version 3 Standard: Regulated Studies: CDISC Content to Message – Study Design, Release 1; And


Context-Aware Knowledge Retrieval (Infobutton), Service-Oriented Architecture Implementation Guide, for CDS of SSD SD at Project Insight ID # 507, TSC Tracker # 1813. The SOA Implementation Guide for context-aware information retrieval (Infobutton) leverages the HL7 Decision Support Services (DSS) standard. More specifically, the scenarios and interactions defined in the proposed specification will be implemented as a DSS ‘knowledge module.’ This project focuses on the specification of a DSS module to support a SOA-based integration of knowledge resources into electronic health records. The proposed implementation guide will not specify the payloads of the Infobutton DSS knowledge module. The knowledge module payloads have been / will be defined elsewhere in HL7 normative specifications, including the Context-aware Information Retrieval (Infobutton) DSTU. These work products will be developed independently of, and in parallel with this SOA implementation guide. 1) The SOA IG will be an instance (a.k.a., knowledge module) of the broader DSS Standard. 2) Unlike the present Infobutton DSTU (Project 265), the SOA IG will support back and forth communication between EHRs, Infobutton Managers, and knowledge resources. Resources will be able to respond in a standardized fashion, which is not supported by the present Infobutton DSTU. 3) The Infobutton DSTU will serve as the payload for knowledge request operations in SOA implementations. 4) SOA-enabled knowledge resources will respond with a knowledge retrieval metadata payload, which is being developed in parallel to the SOA IG.

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 site 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/?ProjectInsigh#7 (requires PMO-assigned log in credentials)