

The Office of the National Coordinator for
Health Information Technology



OST Update

HIT Standards Committee

July 17, 2013

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Technology

Putting the **I** in Health **IT**
www.HealthIT.gov

The Office of the National Coordinator for
Health Information Technology



S&I Framework Update

Putting the **I** in Health **IT**
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Timing

Framework Launch Date	Jan 7, 2011
First Initiative Launch Date	Jan 31, 2011
Elapsed Time since Initiative Launch (as-of today)	30 months

Participation & Process

# Wiki Registrants	2358
# Committed Members	727
# Committed Organizations	556
# Working Sessions Held	1,630
S&I Face to Face meetings	3
Standards Organizations engaged	35
S&I Monthly Newsletter Editions	17
SDS Newsletter Subscribers	1,908

Outputs

# Consensus Approved Use Cases	18
# Pilots Committed	33
# Pilot Vendors	42
Total Ballots	11
# Total HL7 Ballot Comments Received	2,953
# HL7 Ballot Comments Resolved	2,882

S&I Initiative Portfolio Snapshot



	Pre-Discovery	Use Case	Harmonization	RI, Test & Pilot	Evaluation
Direct Project (S&I Archetype)					<i>In production</i>
Transitions of Care	<i>Companion Guide, Project Scope Statement & Notification of Intent to Ballot completed for September ballot</i>				
Lab Results Interface					<i>IG & Second Errata Published; 2014 CEHRT In Progress</i>
Query Health					<i>Pilots nearing completion, QRDA III Published, HQMF to be published this month</i>
Data Segmentation for Privacy					<i>Pilots in Evaluation, 2 IGs adopted by HL7, RESTful IG still in SDO adoption process</i>
Public Health Reporting					<i>Community-Led; RI Framework and CDA guide published; Testing & Pilots in progress; community will be meeting on a monthly basis</i>
esMD					<i>eDoC UC in Progress; AoR Level 2 UC achieved consensus; IG consensus closed for UC 1, UC 2, AoR L1, and Prov. Dirs. Guidance IG's</i>

S&I Initiative Portfolio Snapshot, continued



	Pre-Discovery	Use Case	Harmonization	RI, Test & Pilot	Evaluation
Longitudinal Coordination of Care	<i>Community-Led; 1st UC Complete; PAS SWG Complete; Created 'Care Plan' Glossary for HITPC & HL7; Use Case 2: Care Plan Exchange in Comment Period; C-CDA updates for Aug/Sept HL7 Ballot in progress</i>				
Laboratory Orders Interface	<i>LOI IG currently in ballot and will begin reconciliation of comments in late July; Lab pilot efforts include LOI and eDOS</i>				
Health eDecisions	<i>Use Case 1: Knowledge Artifact Sharing Model, Schema and IG was approved by HL7, UC 1 Pilots Complete. Use Case 2: CDS Guidance Service achieved consensus. Standards Identified – vMR aligned with C-CDA and QRDA working on HL7 Ballot for UC 2</i>				
Blue Button Plus	<i>Three WGs complete (Payer, Clinical Content, Push); One WG (Pull) in progress. IGs complete – now focused on adoption.</i>				
Structure Data Capture	<i>Project Charter Consensus complete; Use Case consensus complete; Forms SWG kickoff was June 5; Standards SWG kickoff is July 11.</i>				
EU/US eHealth Cooperation	<i>Initiative launched on 6/20/13</i>				
Data Access Framework	<i>Initiative launch scheduled for 7/16/13</i>				

- [S&I Pilots website](#) indicates geographically where all pilots are located



- Short-term Activities (0-6 months)
 - *SDC*
 - *Data Access Framework (DAF)*
 - *Quality & CDS*
- Mid-term Activities (6-12 months)
 - *SDC*
 - *DAF*
 - *APIs*
 - *Quality & CDS*
- Long-term Activities (12+ months)
 - *SDC*
 - *DAF*
 - *EU-US eHealth Cooperation*

Summary of Standards Used by S&I Framework Initiatives

Standards	Initiative(s)	Functionality	Readiness as of July 2013
IHE XDS	DS4P	Cross-Enterprise Document Sharing (XDS) profile is a standards-based specification for managing the sharing of documents between any healthcare enterprise, ranging from a private physician office to a clinic to an acute care in-patient facility and personal health record systems. Repository stores the documents for response to requests and Registry stores the information about the documents to be requested	6 months
HL7 V2	LRI, LOI	Messaging standard that supports human readable, non-XML electronic messages based on segments (lines) and one-character delimiters. Defines a series of electronic messages to support administrative, logistical, financial as well as clinical processes.	Now (HL7 V2) Now (LRI IG) 6 months (LOI IG)
CHCF/HL7 ELINCS	LOI/eDOS	EHR-Lab Interoperability and Connectivity Specification (ELINCS) standardizes the formatting and coding of electronic messages exchanged between clinical laboratories and ambulatory EHR systems	6 months (LOI/eDOS IGs)
HL7 CDA R2	ToC & LCC (C-CDA IG), QH (QRDA Cat III) DS4P (CDA Consent Directive IG) esMD (Digital Signatures)	XML-based standard built with the purpose of exchanging clinical information. The C-CDA IG constrains the CDA R2 standard and guides the use of CDA R2 for individual clinical documents. QRDA is a constraint on CDA R2 for the purposes of quality reporting – Category III specifically is used for reporting on population quality measurements. CDA Consent Directive IG and Digital Signatures	Now (CDA R2) 6 months (C-CDA IG) 6 months (QRDA Cat III) 6 months (CD IG) 6 months (Dig Sig)
HL7 HQMF	QH	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. Such format is known as an "eMeasure".	6 months
HL7 vMR	HeD UC1, HeD UC 2	Data model for representing data from clinical information systems to be analyzed or produced by clinical decision support engines.	6 months
HL7 DSS	HeD UC 2	Provides a standard interface for the consumption of patient data and the provision of decision support. For example, this would be used in an interface between an EHR and CDS system.	6 months

ONC website:

www.healthit.gov/

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S&I Framework Wiki:

<http://wiki.siframework.org/>

 **S&I FRAMEWORK**

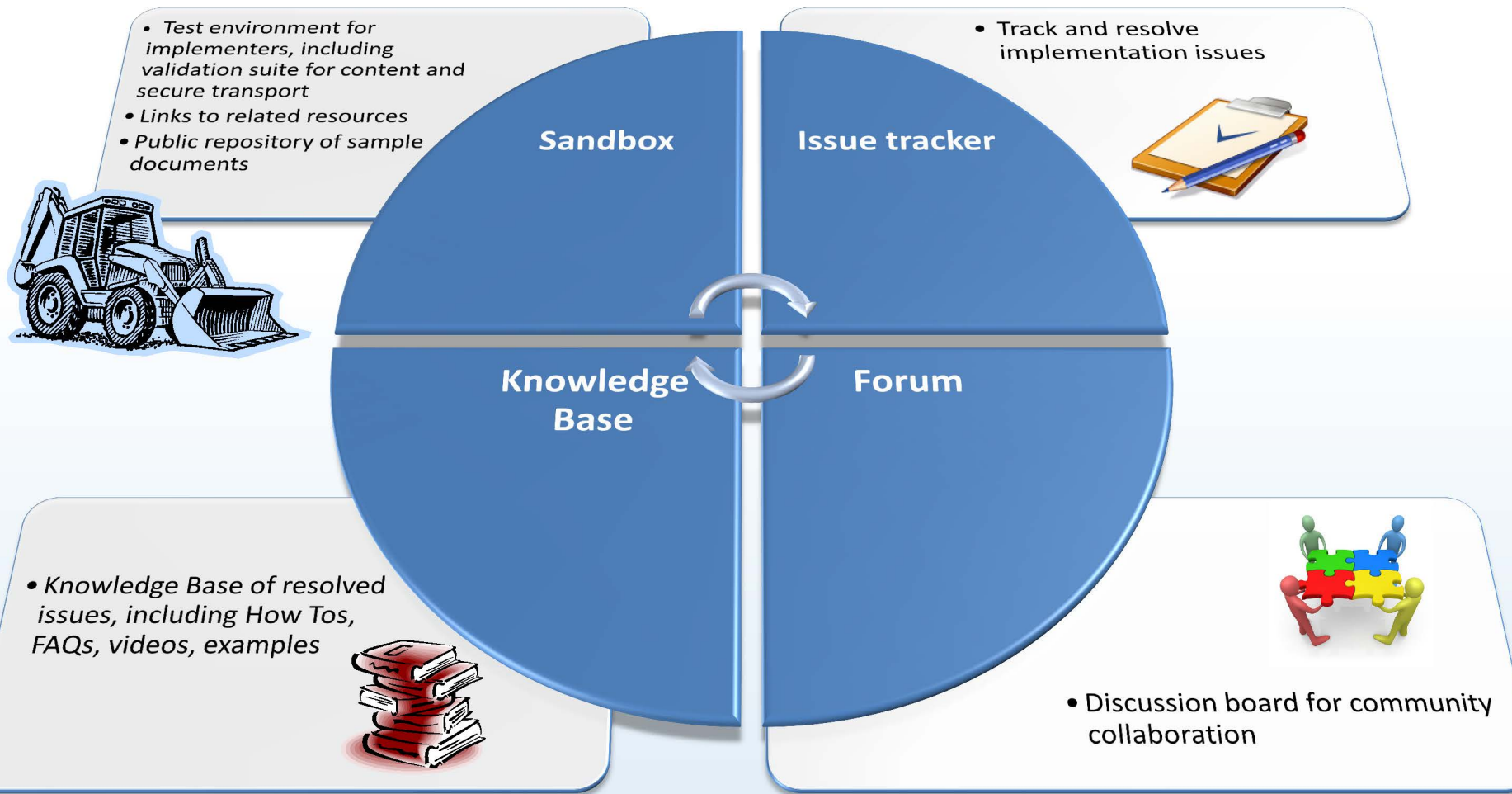
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SITE Capabilities



Portal (Content Management System)

C-CDA

Transport

QRDA

Knowledge Base

Forum

Issue Tracker

Sample Repository

Validator

Direct

SOAP

Knowledge Base

Forum

Issue Tracker

Validating Schematron

Current

Future Phase



Standards Implementation & Testing Environment

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Welcome

Welcome to the Standards Implementation & Testing Environment (SITE)

The SITE is a centralized set of tools to assist developers of Health Information Technology in their efforts to implement the standards required for certification of Electronic Health Record (EHR) technology, and in general, enable health information interoperability. The SITE consists of a knowledge base where developers can find authoritative answers to frequently asked questions, a forum where developers may pose questions to the community, an issue tracker where developers may submit questions for resolution by subject matter experts from the appropriate standards body, and a sample data repository where developers may find and contribute document samples. Additionally, the SITE includes a live testing environment with validation and transport tools to assist software developers with testing efforts.

C-CDA Sandbox

C-CDA Resources:

[C-CDA Knowledge Base](#)[C-CDA Forum](#)[C-CDA Issue Tracker](#)[C-CDA Sample Repository](#)[Contribute a C-CDA sample](#)[C-CDA Validator](#)

Transport Sandbox

Transport Resources:

[Direct Transport](#)[Direct Resources](#)[SOAP Transport](#)[SOAP Resources](#)



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C-CDA Sample Repository

Contribute a C-CDA sample

C-CDA Validator

Transport Sandbox

Transport Resources:

Direct Transport

Direct Resources

SOAP Transport

SOAP Resources

QRDA Sandbox

QRDA Resources:

QRDA Knowledge Base

QRDA Forum

QRDA Issue Tracker

Planning Phase

Timing

SITE Launch Date	Apr 4, 2013
Elapsed Time since Initiative Launch (as-of today)	3 months

Issue Tracker

# Issues	34
# Unresolved	33
# Resolved	42

Forum Participation

# Forum Registrants	31
# Forum Topics	18
# Forum Posts	35
# Views	c. 2300



<http://sitenv.org>