



HITSP

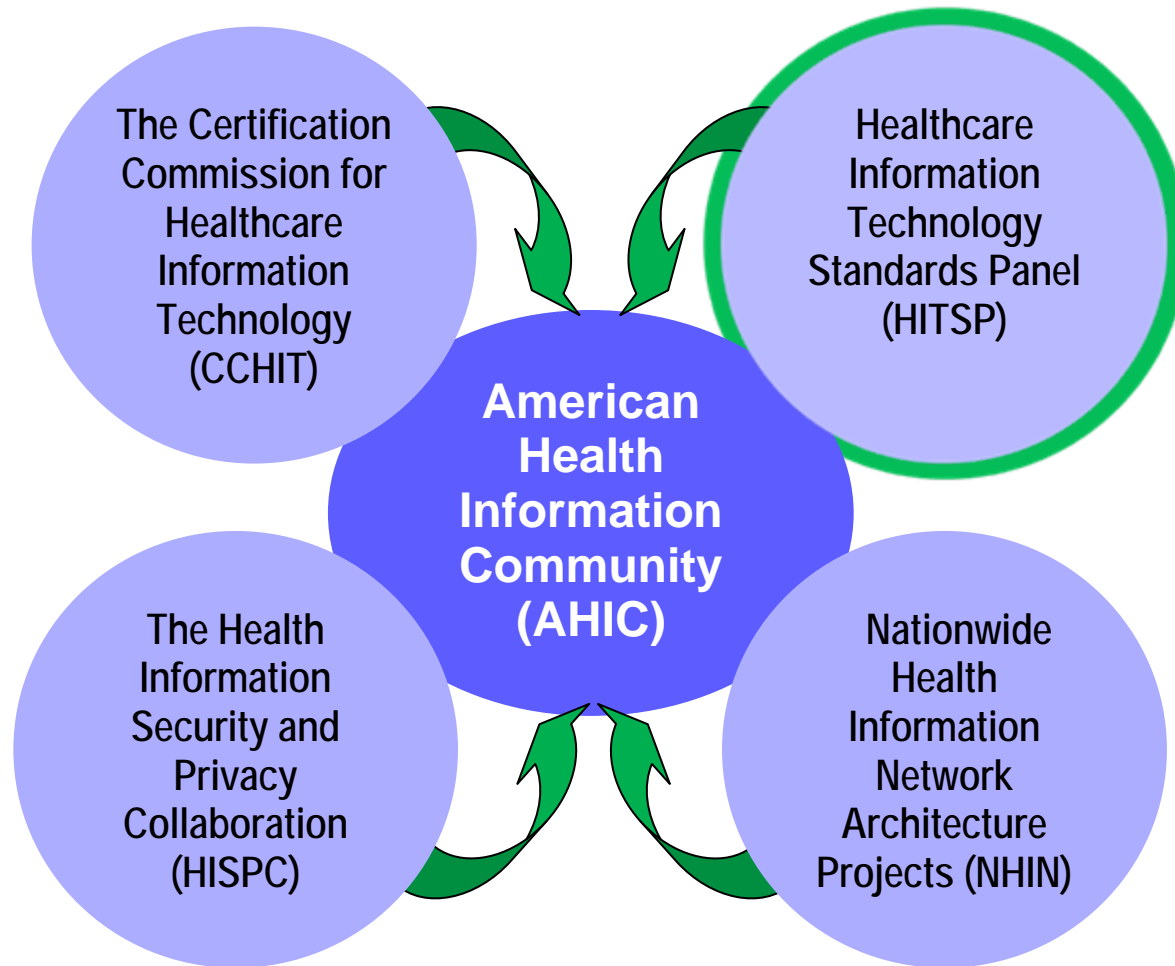
Healthcare Information Technology Standards Panel

Connectathon 2009 Registration

Bob Yench

Webinar | August 28, 2008

U.S. Healthcare IT Standards Harmonization



HITSP Mission and Role

Mission:

To harmonize relevant standards in the health care industry to enable and advance interoperability

The standards harmonization process is an open, inclusive, collaborative, use case driven process

Identify a pool of standards for a general breakthrough area

Identify gaps and overlaps for a specific context

Make recommendations for resolution of gaps and overlaps

Develop interoperability specifications for using the selected standard for a specific context

Test the instruction for using the standard





THE WHITE HOUSE
PRESIDENT
GEORGE W. BUSH

For Immediate Release
Office of the Press Secretary
August 22, 2006

Executive Order:

Promote Quality and Efficient Health Care in Federal Government Administered or Sponsored Health Care Programs

Sec. 3. Agencies shall perform the following functions:

Health Information Technology -

For Federal Agencies. As each agency implements, acquires, or upgrades health information technology systems used for the direct exchange of health information between agencies and with non-Federal entities, it shall utilize, where available, health information technology systems and products that meet recognized interoperability standards.

HITSP-Harmonized standards promote interoperability, enhance healthcare quality and contain costs



Federal Agencies must use the Recognized Interoperability Standards that have been harmonized by the Healthcare Information Technology Standards Panel

Federal Register/Vol. 73, No. 15/Wednesday, January 23, 2008/Notices

3973

DEPARTMENT OF HEALTH AND HUMAN SERVICES

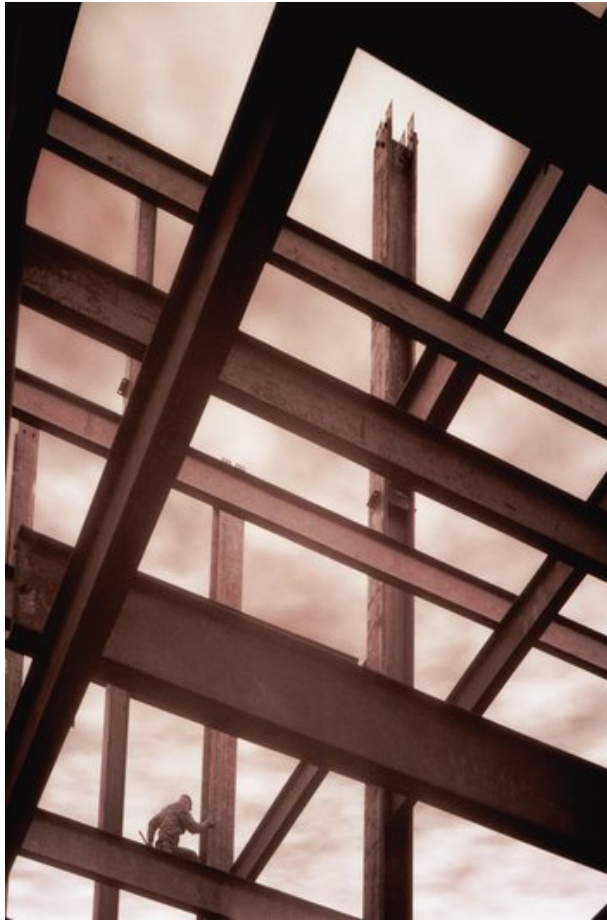
Office of the National Coordinator for Health Information Technology (ONC), DHHS

Notice of Availability: Secretarial Recognition of Certain Healthcare Information Technology Standards Panel (HITSP) Interoperability Specifications as Interoperability Standards for Health Information Technology

HITSP is playing an integral role in the development of a Nationwide Healthcare Information Network (NHIN) for the United States



Building a Framework for HIT Solutions



- ❑ **Interoperability Specifications** are intended to be used by architects and system designers as a way to guide future implementation efforts based on health IT
- ❑ These specifications represent an ongoing effort to create a framework/template that represents a solution set for solving the known problems related to an AHIC-defined Use Case





HITSP Support for IHE Connectathon

- ❑ Foster development and implementation of the HITSP ISs
 - Increase awareness of available guidance and support
 - Encourage participation in HITSP Technical Committees
- ❑ Ensure 'fitness for use' of HITSP Interoperability Specifications
 - Debug
 - Identify improvements
- ❑ Encourage and support vendor application demonstrations supporting HITSP at the HIMSS Showcase





HITSP Framework: Construct Hierarchy

- ❑ Interoperability Specification
 - Sets the context
- ❑ Transaction Package
 - A collection of transactions and potentially components to satisfy an exchange scenario
- ❑ Transaction
 - An activity between two or more entities
- ❑ Component
 - The atomic-level item used by higher-order constructs





HITSP Accepted and Recognized Solutions

- ❑ IS01 - Electronic Health Records Laboratory Results Reporting
- ❑ IS02 – Biosurveillance
- ❑ IS03 - Consumer Empowerment and Access to Clinical Information via Networks
- ❑ IS04 - Emergency Responder Electronic Health Record
- ❑ IS05 - Consumer Empowerment and Access to Clinical Information via Media
- ❑ IS06 – Quality
- ❑ IS07 - Medication Management





HITSP Specific

HITSP	Title
C32	Summary Documents Using HL7 Continuity of Care Document (CCD) Component

- ❑ Uses the ASTM/HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD), Release 1.0, April 01, 2007
- ❑ HITSP has further constrained the use of CCD for specific use case scenarios
- ❑ Support tools available at <http://xreg2.nist.gov/cda-validation/index.html>





C32 – Summary Documents Using CCD

- ❑ Declares use of required data elements provided in:
 - HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD), Release 1.0, April 01, 2007
- ❑ Describes the basic constraints to be applied to all uses of the ASTM/HL7 CCD IG within the HITSP ISs
- ❑ Is further constrained by an IS for specific contexts
 - Patient update of registration and medication information with a PHR
 - Patient access to clinical information





IHE Profiles and HITSP - Additional Constraints

IHE	HITSP	Title
EDES	C28	Emergency Encounter Summary Document
PDQ	T23	Patient Demographics Query Transaction
PIX	TP22	Patient ID Cross Referencing
XD*Lab	C37	Lab Report Document Using IHE XD* Lab Component
XDM	T33	Transfer of Documents on Media Transaction
XDS	TP13	Manage Sharing of Documents
XDS-MS	C38	Patient level quality data document component
XDS-MS	C48	Encounter Document Component





C48 Encounter Document

- ❑ Specifies content for patient encounter data (excluding laboratory, radiology) in a document sharing functional flow scenario
- ❑ IHE Patient Care Coordination Medical Summary (XDS-MS)
 - Constrained to AHIC Biosurveillance Minimum Data Set Standards Selection
- ❑ Key Concepts
 - Patient encounter data are captured as part of the normal process of care performed by healthcare providers such as hospitals, emergency departments and outpatient clinics.
 - Anonymized if required by jurisdiction





TP13 – Manage Sharing of Documents

- ❑ Defines the requirements for the registration, storage and retrieval of documents within and across affinity domains
- ❑ Specifies a subset of transactions defined in the IHE IT Infrastructure Technical Framework (ITI-TF) Revision 4.0
 - XDS.b
 - XCA
- ❑ Key Concepts: Source attested documents, document registry, document repositories distributed or centralized.





IHE Profiles and HITSP - No Constraints

IHE	HITSP	Title
ATNA	T15	Collect and Communicate Audit Trail
ATNA	T17	Secured Communication Channel Transaction
BPPC	TP30	Manage Consent Directives Transaction Package
CT	T16	Consistent Time
DSG	C26	Nonrepudiation of Origin Component
NAV	T29	Notification of Document Availability Transaction
QED	TP21	Query for Existing Data
RFD	TP50	Retrieve Form for Data Capture
XDR	T31	Reliable Document Exchange
XDS-I	TP49	Sharing Radiology Results Transaction Package
XDS-SD	C62	Unstructured Document Component
XUA	C19	Entity Identity Assertion Component



Next Steps and Support for Connectathon 2009

- ❑ Register for HITSP testing
- ❑ Technical Liaison: Bob Yencha
 - bob@alschulerassociates.com
- ❑ Marketing Liaison: Theresa Wisdom
 - twisdom@himss.org
- ❑ Questions?



Thank you!

Please visit www.hitsp.org for the latest information on HITSP activities, technical committee meeting schedules and participation information, or to obtain copies of all specifications.

