

Healthcare Information Technology Standards Panel

HITSP Technical Committee Restructure Plan and Proposed Terms of Reference



February 20, 2008

Overview of Presentation

- ▶ Describe Context and History for Technical Committee Restructure
- ▶ Review Restructured Roles and Responsibilities
- ▶ Describe Technical Committee Revised Terms of Reference
- ▶ Discuss Technical Committees Call for Participation
- ▶ Describe Restructure Transition Plan



Technical Committee Restructure Plan

- ▶ In recent months, HITSP TC Leadership recognized a need to better align Technical Committee resources to meet the needs generated by an increasing number and expanding scope of Use Cases
- ▶ TC Leadership met on November 19th to address these concerns and to develop a restructure proposal
- ▶ TC restructure proposal was approved by the HITSP Board on December 3, 2007
- ▶ TC Leadership met on January 23rd to develop a restructure transition plan
- ▶ TC Leadership presented overall plan to TC members at face to face meeting on January 24-25th
- ▶ TC Terms of Reference approved by HITSP Board on February 11th



Considerations for Restructuring

- ▶ Manage increased number and scope of Use Cases, NHIN collaboration
- ▶ Coordinate common constructs across Use Case perspectives
- ▶ Maximize reuse of constructs assuring backward compatibility
- ▶ Maintain and update existing artifacts
- ▶ Coordinate limited resources – number of Co-chairs, skilled volunteers, staff FTEs
- ▶ Take greater advantage of volunteer domain expertise
- ▶ Establish clearer responsibility for deliverables



HITSP Technical Committees

▶ Year 1 (2006)

- Technical Committees aligned with AHIC Workgroups
 - ▶ Create Use Case related Interoperability Specification
 - ▶ Manage all supporting constructs
 - Few constructs were available for reuse
 - Cross-TC approach was used for shared constructs

▶ Year 2 (2007)

- New Security and Privacy Technical Committee develops domain-specific constructs

▶ Year 3 (2008)

- Domain Committees established to:
 - ▶ Develop, maintain and reuse constructs
- Perspective Committees established to:
 - ▶ Develop, maintain RDSS, Interoperability Specifications
 - ▶ Coordinate construct development/reuse



New Technical Committee Structure

- ▶ 3 Perspective Committees, aligned with AHIC perspectives
 - Provider
 - Population
 - Consumer

- ▶ 3 Domain Committees focused on healthcare domains
 - Care Management and Health Records
 - Security, Privacy and Infrastructure
 - Administrative and Financial

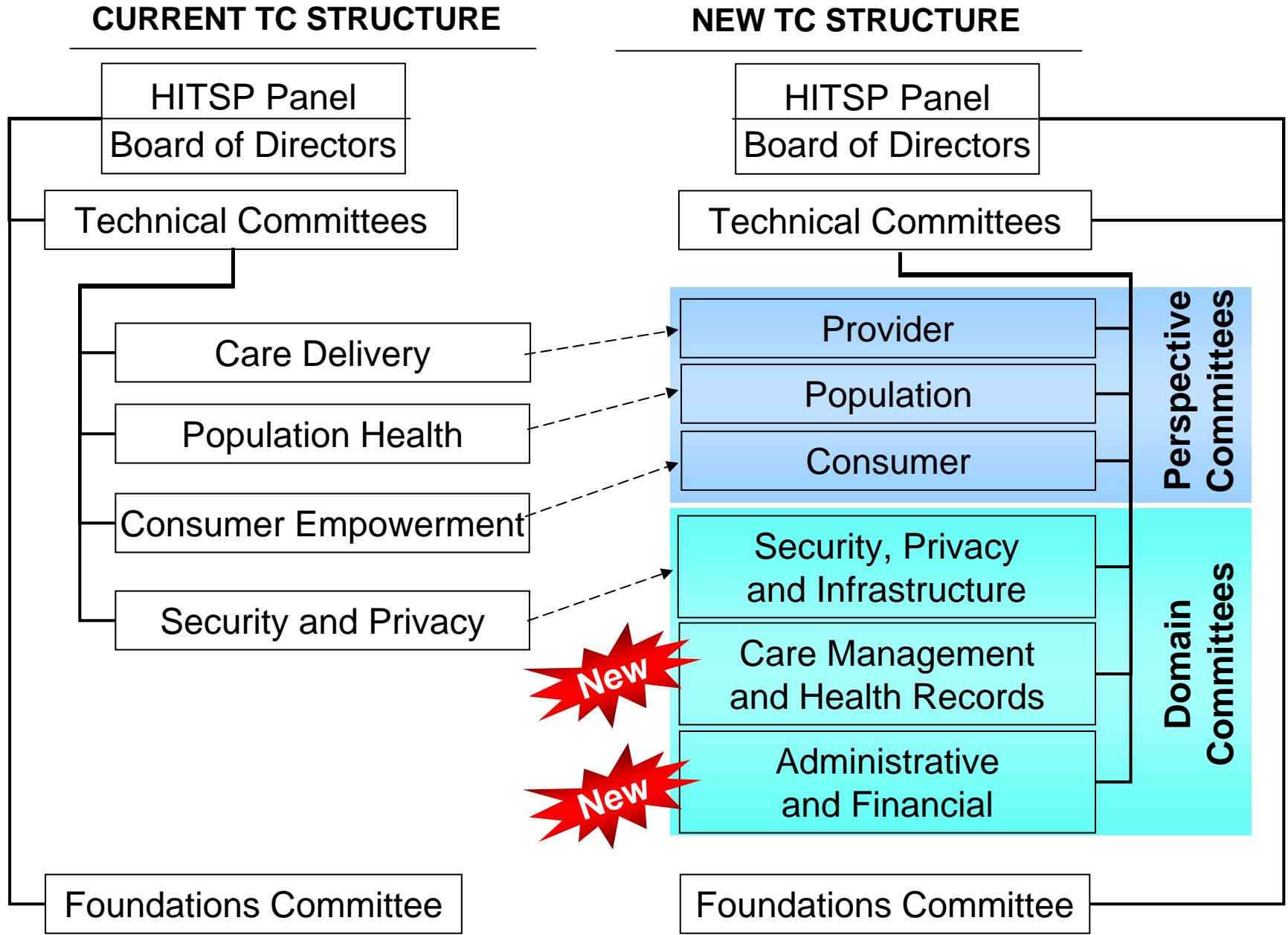


Technical Committee Matrix

<u>Provider Perspective</u>	<u>Population Perspective</u>	<u>Consumer Perspective</u>
<u>Care Management & Health Records Domain Committee</u>		
<u>Security, Privacy & Infrastructure Domain Committee</u>		
<u>Administrative & Financial Domain Committee</u>		



Transitioning to New Structure



HITSP Artifact Responsibilities

- ▶ **Perspective Technical Committees**
 - Interoperability Specifications (IS)
 - Requirements Design and Standards Selection (RDSS)
- ▶ **Domain Technical Committees, Workgroups**
 - All Domain Constructs (Transaction Packages, Transactions, Components)
- ▶ **Foundations Committee, Workgroups**
 - Foundations strategy, guidance documents

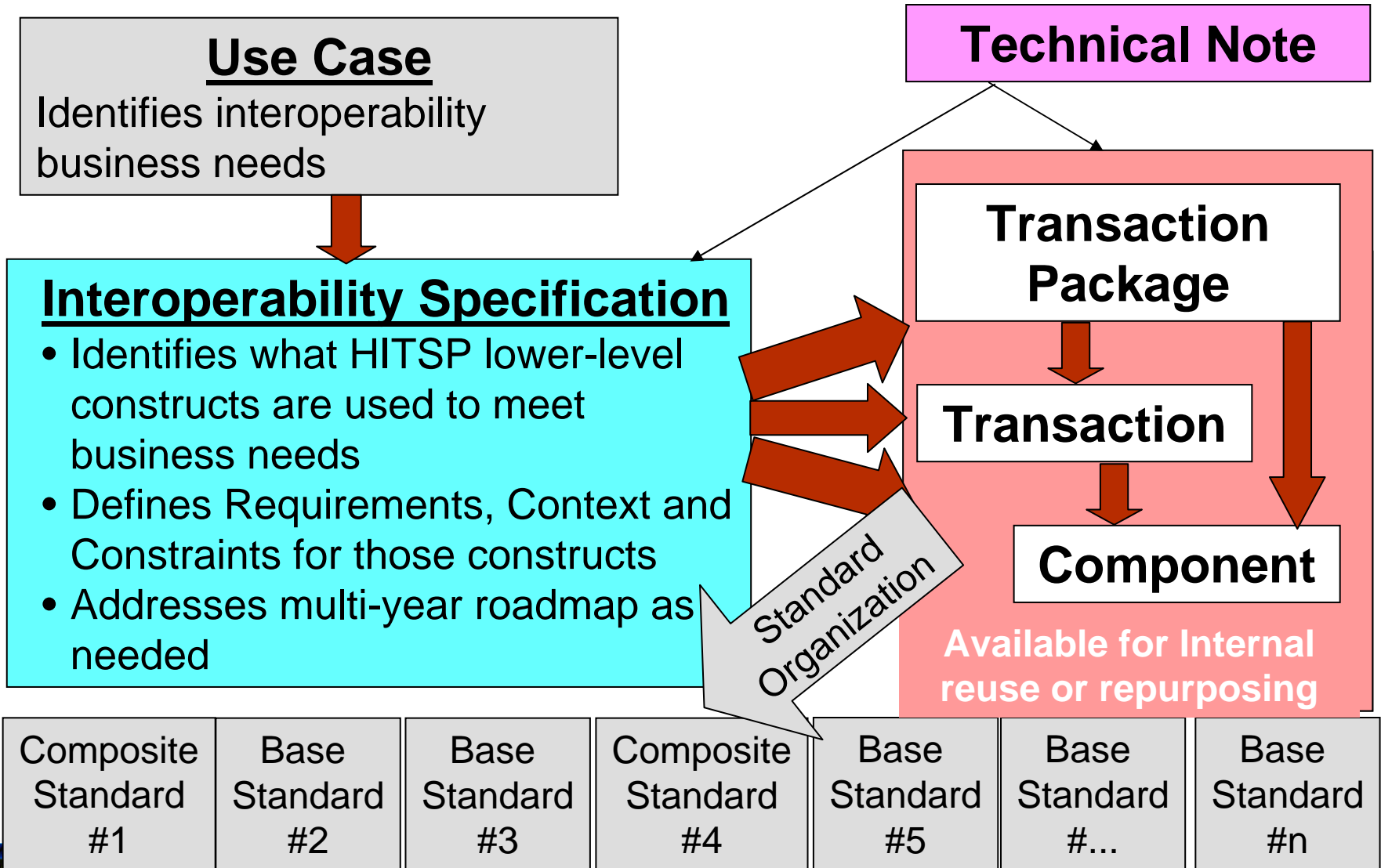


HITSP Key Processes

- ▶ Distill interoperability requirements from the Use Case or Interoperability Request
- ▶ Identify/define artifacts (Constructs) that:
 - Address the business needs of the Use Case
 - Specify how to integrate and constrain selected standards
- ▶ Standards Harmonization
 - Identify gaps
 - Harmonize overlapping standards
 - Propose a plan to resolve gaps
- ▶ Assemble Constructs into an Interoperability Specification



HITSP Constructs



Technical Committees Structure and Role

TC Leadership

- ▶ Includes all Technical Committee Co-chairs, conveners, facilitators and technical writers w/ project staff
- ▶ Provides a mechanism for review and evaluation of cross-Technical Committee concerns
 - Use Case assignment and scoping
 - Work plans and schedules
 - Technical document templates
- ▶ Works in collaboration with the Internal Review Board (IRB)



Technical Committees Structure and Role

Perspective

- ▶ Translates business needs into an Interoperability Specification
- ▶ Selects lower-level HITSP constructs – existing and new
- ▶ Allocates requirements to selected constructs
- ▶ Defines how to integrate and constrain selected constructs
- ▶ Manages the overall execution plan and schedule with support of Domain Committees

- ▶ In short, Takes a “system integrator” role for interoperability perspectives

Domain

- ▶ Develops specifications for constructs
 - Supports multiple Interoperability Specifications
 - Enables reuse
- ▶ Manages the execution plan and specific schedule of new constructs aligned with the Interoperability Specifications
- ▶ Maintains all existing constructs assigned to their domain

- ▶ Requires: Participants with a deep understanding of a domain and standards that support that domain



HITSP Perspective Technical Committees

Proposed Terms of Reference

- ▶ Review each new Use Case or Interoperability Request, provide feedback to requestor, evaluate scope of effort and develop statements of work for completion
- ▶ Perform high level design of Interoperability Specifications and lower level constructs including requirements analysis, standards selection and minimum data set identification
- ▶ Submit recommendations to Panel for review, approval and resolution
- ▶ Identify Domain Committee(s) and provide high level design and statements of work to guide construct development
- ▶ Develop, review and evaluate Interoperability Specifications for the selected standards, integrating relevant constructs
- ▶ Manage overall execution plan/schedule in collaboration with Domain Committees
- ▶ Ensure timely response and disposition of public comments
- ▶ Ensure on-going process for addressing corrections/change requests and resolutions



HITSP Domain Technical Committees

Proposed Terms of Reference

- ▶ Identify and analyze gaps and duplications within the standards industry as they relate to domain constructs
 - Describe gaps, including missing or incomplete standards
 - Describe duplications, overlaps, or competition among standards
- ▶ List all standards that satisfy requirements imposed by the relevant Use Case or Interoperability Request and apply readiness criteria
- ▶ Interact with Standards Organizations to coordinate communication regarding standards gaps, overlaps, and identification of standards
- ▶ Evaluate, select and constrain recommended standards
- ▶ Receive and prioritize statements of work and collaborate with Perspective Committees to refine scope and develop work plan
- ▶ Develop and/or revise domain constructs to meet requirements, high level design and statements of work
 - Maximize reuse w/ consideration for backwards compatibility
- ▶ Ensure domain constructs adequately support all Interoperability Specifications referencing those constructs
- ▶ Work in collaboration with Perspective Committees to meet project schedule and timelines



Mapping New Use Cases to Perspective TC

New Use Case	Proposed Perspective	Existing (Reuse)	New
1 Patient-Provider Secure Messaging	Consumer	C44	Web Portal, e-mail, new structure/messages?
3 Personalized Healthcare	Consumer or Provider	C36, C35, C37 C32?	New vocab/structure for genomics Family History (C32?) with link/RT updates
3 Public Health Case Reporting	Population	TP21, TP50, C47 C37	EHR Extraction/Integration/CDS New EHR/PH shared data sets "Auto" reports
3 Immunization and Response Management	Population	TP21, TP50, C47	New Registries (Immunization, etc) Supply chain/Resources Administration Vaccine and Drug Inventory Management EHR Extraction/Integration/CDS
2 Remote Monitoring	Provider or Consumer	C32?	Informal Home Device Concentrator Gateway CDS by Care Coordinator
2 Consultations and Transfers of Care	Provider	C32/CCD	Provider Request for Consultation Data sets
1 - Easy, 2 - Doable, 3 - Hard			

Call for Participation

Care Management and Health Records Domain Technical Committee Subject Matter Experts

- ▶ Health Information Management Professionals
- ▶ Architects and Implementers of EHR Systems
- ▶ Experts in Clinical Vocabularies (e.g. LOINC, SNOMED, RxNORM)
- ▶ Architects and Implementers of Clinical Decision Support Systems
- ▶ HL7 CDA R2 knowledge and implementation experience



Call for Participation

Security, Privacy and Infrastructure Domain Technical Committee Subject Matter Experts

- ▶ Specialists in Electronic Data Interchange Standards, such as HL7 messaging, Web-Services, X12N, IHE
- ▶ Healthcare Security Administrators
- ▶ Technical Members of the Privacy Office
- ▶ Security Technology Architects, Designers, Implementers
- ▶ Database Application Architects, Designers, Implementers
- ▶ Health Information Network (HIE) Architects, Integrators
- ▶ Identity Credentials Management Experts



Call for Participation

Administrative and Financial Domain Technical Committee Subject Matter Experts

- ▶ Application Architects, Designers, Implementers
- ▶ Payer, Provider, and Vendor community
- ▶ Business Analysts with Administrative and Financial Systems experience
- ▶ System Analysts with Administrative and Financial Systems experience
- ▶ Application Architects, Designers, Implementers of Administrative and Financial systems and the HIPAA Transactions and Code Sets (NCPDP and X12)



TC Restructure Timeline - February

Task	Lead	Date
Request Board approval of updated TC Terms of Reference	All	Feb 11
Transition the Care Delivery, Consumer Empowerment and Population Health TCs to Perspective TCs Transition the Security and Privacy TC to Security, Privacy and Infrastructure Domain TC Retain current Co-chairs of the 4 existing Committees	HITSP TC Leadership	By March 21
Identify conveners for 2 new Domain Committees (DONE)	HITSP TC Management	Feb 8
Establish detailed work plan process for new Use Case or Interoperability Request	Internal Review Board	Feb 29
Finalize staff assignments to support new structure	HITSP PM	Feb 22
Publish calls for participation Implement focused recruiting for domain expertise	HITSP TC Management	Focused effort at Feb 20 Panel & HIMSS08

TC Restructure Timeline - March

Task	Lead	Date
Establish Domain Technical Committees	TBD	March 21
Prepare and convene training session for new Technical Committee members	HITSP TC Management	March 21
Implement final TC structure in March 24-26 Technical Committee face to face meetings	All	March 24 - 26
Establish work plans to maintain existing artifacts and address new Use Cases and Interoperability Requests	TC Leadership	Draft March 14 Updated at F2F and presented at March 27 Panel meeting
Hold election for new Co-chairs after March TC face to face meeting	HITSP TC Management	Initial call for nominations by March 10 Elections to be held in April

Questions/Discussion

