



# HITSP

Healthcare Information Technology Standards Panel

## HITSP Clinical Note Details Extension Public Review Capability 119 Communicate Structured Document

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*Care Management and Health Records*  
October 1, 2009

# HITSP Clinical Note Details Extension Requirements and Design Public Comment

- Introduction & Review of Capabilities
- Schedule
- Technical Approach
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# Introduction

- The purpose of this Webinar is to share these new documents and publicly review them prior to a one week comment period. This is just the requirements section of the documents, the full documents will be released for the traditional 4 week public comment period in early November
- Brief overview of the Clinical Note Details Extension
- Introduce Capability 119 Communicate Structured Document

# Introduction – Co-Chairs and Staff

Staff/Co-Chair	Contact Information
<p>Greg Alexander, Ph.D, RN Co-chair CMHR</p>	<p><a href="mailto:AlexanderG@MISSOURI.EDU">AlexanderG@MISSOURI.EDU</a> Assistant Professor Sinclair School of Nursing University of Missouri</p>
<p>Keith Boone Co-chair CMHR</p>	<p><a href="mailto:keith.boone@ge.com">keith.boone@ge.com</a> Standards Architect GE Healthcare</p>
<p>Corey Spears Co-chair CMHR</p>	<p><a href="mailto:cspears@practicepartner.com">cspears@practicepartner.com</a> Integration Manager McKesson</p>
<p>Cindy Levy CMHR Facilitator, Writer</p>	<p><a href="mailto:clevy@patriottechnologies.net">clevy@patriottechnologies.net</a></p>
<p>Don Van Syckle CMHR Facilitator, Writer</p>	<p><a href="mailto:don@dvsconsult.com">don@dvsconsult.com</a></p>

# Healthcare Information Technology Standards Program (HITSP)



Providing specifications that integrate diverse standards to meet clinical and business needs for sharing information:

1. **Develop specifications that address broad stakeholder perspectives**
2. **Support testing and validation of specifications**
3. **Catalyze efforts of standards organizations to realize changes to address gaps and overlaps**

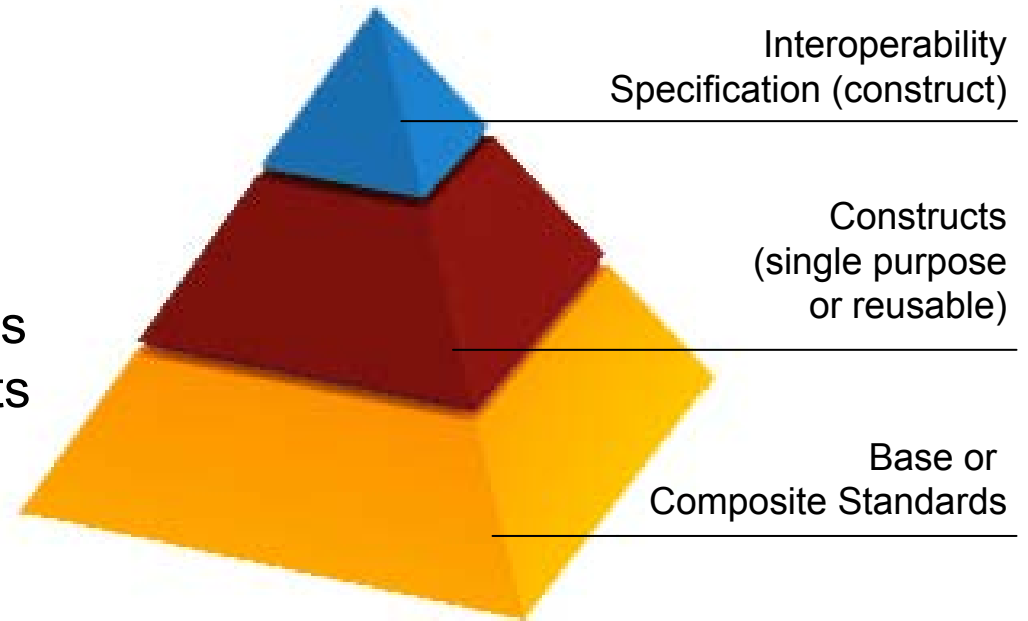
**Enabling Interoperability between healthcare stakeholders**

Specifying Standards needed to enhance care quality and contain costs

# HITSP Interoperability Specifications

A complete IS set provides a framework that defines

- A hierarchy of constructs
- The role of each construct
- The relationship of one construct to another in the context of specific business and/or clinical requirements



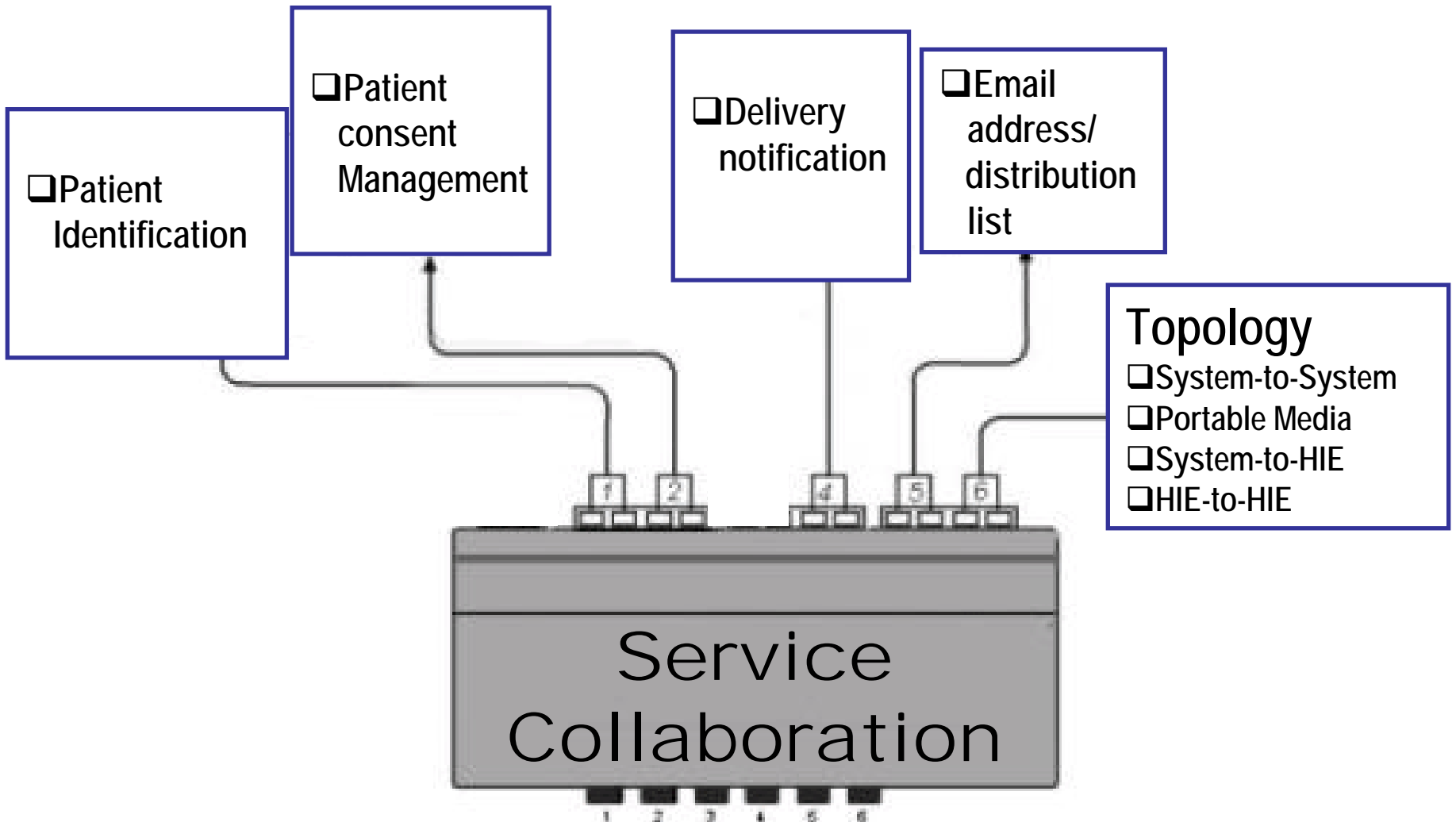
Interoperability Specification (Complete Set)

# Capabilities and Service Collaborations

Keys to Simpler Definition and  
Implementation of HITSP Specifications

# Service Collaboration (SC)

- Defines a standards-based secure infrastructure needed for interoperable information exchanges
- Includes a secure transport mechanism with topology and other options
- Uses HITSP Constructs to specify the secure infrastructure
- Does not specify the content of the information exchange but may include information to support the exchange (e.g., authorization information)



Standards-based Secure Infrastructure Needed for Interoperable Information Exchanges

# Service Collaborations

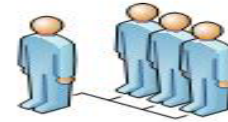
- ❑ SC108 - Access Control
- ❑ SC109 - Security Audit
- ❑ SC110 - Patient Identification Management
- ❑ SC111 - Knowledge and Vocabulary
- ❑ SC112 - Healthcare Document Management
- ❑ SC113 - Query for Existing Data
- ❑ SC114 - Administrative Transport to Health Plan
- ❑ SC115 - HL7 Messaging
- ❑ SC116 - Emergency Message Distribution Element

# HITSP Capability

- Enables systems to address a business need for interoperable information exchange
- Bridges between business, policy and implementation views:
  - Defines a set of information exchanges at a level relevant to policy and business decisions
  - Supports stakeholder requirements and business processes
  - Defines information content and secure infrastructure
  - Specifies use of HITSP constructs sufficiently for implementation
  - Includes constraints and identifies specific network topologies

# What is an example of a capability?

- ❑ Requirement: An organization wants to exchange a prescription with an ambulatory organization
- ❑ The diagram on the right shows how Capability 117 was assembled to support this requirement

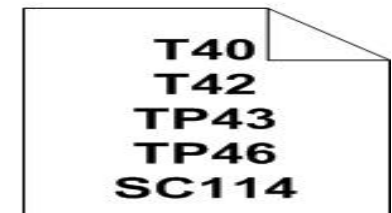


I want to exchange a prescription with an Ambulatory or Long-Term Care (LTC) Organization



## System Roles

- Medication Order Prescriber
- Medication Order Filler
- Health Plan
- Health Information Exchange (HIE)



CAP117 – Communicate Ambulatory and Long Term Care Prescription

# Existing HITSP Capabilities – Clinical Operations

## Clinical Operations

Communicate Ambulatory and Long Term Care Prescription - CAP117

Communicate Hospital Prescription - CAP118

Communicate Clinical Referral Request - CAP121

Retrieve Genomic Decision Support - CAP125

Communicate Lab Results Message - CAP126

Communicate Lab Results Document - CAP127

Communicate Imaging Information - CAP128

Retrieve and Populate Form - CAP135

Communicate Encounter Information Message - CAP137

# Existing HITSP Capabilities – Public Health and Emergency Response; Administration and Finance

## Public Health and Emergency Response

Communicate Quality Measure Data - CAP129

Communicate Quality Measure Specification - CAP130

Update Immunization Registry - CAP131

Retrieve Immunization Registry Information - CAP132

Communicate Immunization Summary - CAP133

Communicate Emergency Alert - CAP136

Communicate Resource Utilization - CAP139

## Administration and Finance

Communicate Benefits and Eligibility - CAP140

Communicate Referral Authorization - CAP141

# Existing HITSP Capabilities - Security, Privacy, and Infrastructure

## Security, Privacy, and Infrastructure

Communicate Structured Document - CAP119

Communicate Unstructured Document - CAP120

Retrieve Medical Knowledge - CAP122

Retrieve Existing Data - CAP123

Establish Secure Web Access - CAP124

Retrieve Pseudonym - CAP138

Retrieve Communications Recipient - CAP142

Manage Consumer Preference and Consents - CAP143

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# Schedule

- Requirements for the Clinical Note Details Extension introduced to the Public via Webinar October 1<sup>st</sup>
- Comment feedback on the Requirements for this work item closes October 8<sup>th</sup>
  - The process for submitting comments is included on the next to last slide (Slide 25) of this presentation
- The full documents will be released for a 4 week Public Comment period in early November

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# Technical Approach of Capability 119

## Communicate Structured Document

- Communicate Structured Document (CAP119) addresses interoperability requirements that support the communication of structured health data related to a patient in a context determined by the author of the document. This capability supports the exchange of all CDA documents. The following are examples of the type of CDA structured data that are supported:
  - Continuity of Care Document (CCD)
  - Emergency Department Encounter Summary
  - Discharge Summary (In-patient encounter and/or episodes of care)
  - Referral Summary Ambulatory encounter and/or episodes of care
  - Consultation Notes
  - History and Physical
  - Personal Health Device Monitoring Document
  - Healthcare Associated Infection (HAI) Report Document

# Requirements of Capability 119

## Communicate Structured Document

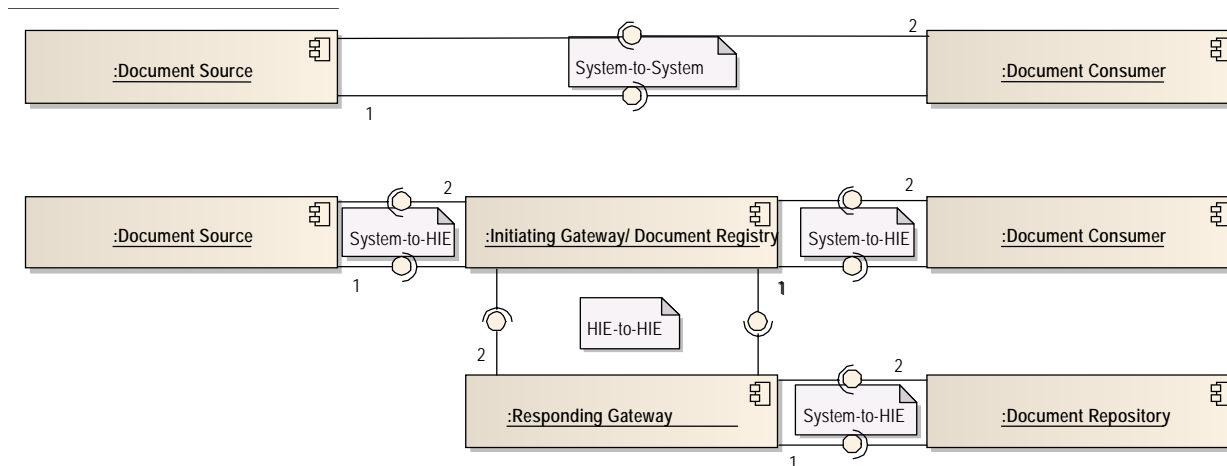
Requirement Source <sup>1</sup>	Requirement	Exchanges Action	Exchange Content
A, B	To create clinical notes based on established templates	IE A Query/Respond	EC904 Clinical Note Template EC80 Clinical Document Metadata
C, D, E	Incorporate established templates into an Electronic Medical Record system	IE A Query/Respond	EC904 Clinical Note Template
E	Incorporate relevant details into a clinical note through the use of templates	N/A <sup>2</sup>	EC904 Clinical Note Template EC83 Clinical Document
F	Create and exchange clinical notes with other providers of care	IE B Send/Receive	EC83 Clinical Document
F, H, I	To query or access clinical notes created for a patient based on a list of common clinical note types, provider roles, clinical specialty or location, date range, provider name, organization type, and condition/diagnosis	IE B Send/Receive	EC80 Clinical Document Metadata
F, J	Compare a patient's progress over time for a specific type of clinical note, or section within clinical notes	N/A <sup>2</sup>	EC83 Clinical Document
G	Communicate replacement, amended or annotated notes with other providers of care	IE B Send/Receive	EC83 Clinical Document
K	Be able to reuse sections or data elements within the clinical note without loss of relevant originating information	N/A <sup>2</sup>	EC83 Clinical Document

<sup>1</sup> See items A-K section 3.0 Function Needs of the Clinical Note Details extension found at the URL above

<sup>2</sup> This is an internal function of an Electronic Medical Record system that is enabled by the use of templates

# Technical Approach – Capability 119

System Role	System Role Definition	Example System	Interface
Document Source	Initiating System	Electronic Medical Record, Transcription System, Laboratory Information System, Public Health Information System	1 Send Documents
Document Consumer	Responding System	Electronic Medical Record, Laboratory Information System, Public Health Information System	2 Receive Documents
Initiating Gateway	Initiating System	Health Information Exchange (HIE)	1 Send Documents 2 Receive Documents
Responding Gateway	Responding System	Health Information Exchange (HIE)	1 Send Documents 2 Receive Documents
Document Registry	Registry	Health Information Exchange (HIE)	1 Send Documents 2 Receive Documents
Document Repository	Repository	Health Information Exchange (HIE)	1 Send Documents 2 Receive Documents



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# Comment Tracking System

□ HITSP.org link: [http://www.hitsp.org/public\\_review.aspx](http://www.hitsp.org/public_review.aspx)

**Using the HITSP Comment Tracking System** The HITSP Comment Tracking System allows registered authors to provide comments on documents that are undergoing public review or implementation testing. A unique user ID and password is required for each comment submitter

**Please note that the Comment Tracking System closes at 5 PM Pacific Time on the final day of public review, October 8<sup>th</sup>**

**Current HITSP members:**

Submit comments by following the link above and entering your current user ID and password

**Add Comment**

Register a **NEW** comment in the tracking system

**View (My) Comments**

View the status or disposition of a comment previously submitted

Please contact Hannah Zander ([HZander@ansi.org](mailto:HZander@ansi.org)) with any questions or problems with entering comments

# Questions and Comments for Clinical Note Details Extension Requirements

- Comments regarding the Requirements outlined to meet the needs of Clinical Note Details Extension are welcome during this portion of the Webinar
- Comments regarding the full Capability can be addressed via Comment Tracking System (see previous slide for instructions)