July 8, 2009
Version 2.5

HITSP Retrieve Form for Data Capture Transaction Package

HITSP/TP50

Submitted to:

Healthcare Information Technology Standards Panel

Submitted by:

Security, Privacy and Infrastructure Domain Technical Committee
(Formerly Security and Privacy Technical Committee)

DOCUMENT CHANGE HISTORY

Version Number	Description of Change	Name of Author	Date Published
1.1	Ready for Public Comment	Biosurveillance Technical Committee	September 12, 2006
1.2	Ready for Implementation Testing	Biosurveillance Technical Committee	October 20, 2006
2.0	Released for Implementation	Population Health Technical Committee	May 11, 2007
2.1	Released for Implementation	Population Health Technical Committee	December 13, 2007
2.1.1	Review Copy	Population Health Technical Committee	March 19, 2008
2.2	Released for Implementation	Population Health Technical Committee	March 27, 2008
	Template Updated to V2.4	Project Team	July 31, 2008
2.2.1	Review Copy	Security, Privacy, and Infrastructure Domain Technical Committee	August 20, 2008
2.3	Released for Implementation	Security, Privacy, and Infrastructure Domain Technical Committee	August 27, 2008
2.3.1	Review Copy	Security, Privacy, and Infrastructure Domain Technical Committee	December 10, 2008
2.4	Released for Implementation	Security, Privacy, and Infrastructure Domain Technical Committee	December 18, 2008
	Template V2.5	Project Team	June 30, 2009
2.4.1	Review Copy	Security, Privacy, and Infrastructure Domain Technical Committee	June 30, 2009
2.5	Released for Implementation	Security, Privacy, and Infrastructure Domain Technical Committee	July 8, 2009

TABLE OF CONTENTS

FIGURES AND TABLES

1.0 INTRODUCTION

1.1 OVERVIEW

The Transaction Package enables capture of supplemental data variables not typically maintained in an electronic health record or laboratory information system through a more seamless integration with the local information system. This allows for the local system to retrieve a form specific to the identified potential public health threat. In the context of quality, it allows for the local system to capture supplemental data elements required for quality reporting that may not be available to the electronic health record.

1.2 COPYRIGHT PERMISSIONS

1.3 REFERENCE DOCUMENTS

This section provides a list of key reference documents and background material. If you are already familiar with this information, proceed to Section 2.0.

A list of key reference documents and background material is provided in the table below. These documents can be retrieved from www.hitsp.org.

Table 1-1 Reference Documents

Reference Document	Document Description
HITSP Acronyms List	Lists and defines the acronyms used in this document
HITSP Glossary	Provides definitions for relevant terms used by HITSP documents
TN900 - Security and Privacy	TN900 is a reference document that provides the overall context for use of the HITSP Security and Privacy constructs

1.4 CONFORMANCE

This section describes the conformance criteria, which are objective statements of requirements that can be used to determine if a specific behavior, function, interface or code set has been implemented correctly.

1.4.1 CONFORMANCE CRITERIA

In order to claim conformance to this construct specification, an implementation must satisfy all the requirements and mandatory statements listed in this specification, the associated HITSP Interoperability Specification, its associated construct specifications, as well as conformance criteria from the selected base and composite standards. A conformant system must also implement all of the required interfaces within the scope, subset or implementation option that is selected from the associated Interoperability Specification.

Claims of conformance may only be made for the overall HITSP Interoperability Specification or Capability with which this construct is associated.

1.4.2 CONFORMANCE SCOPING, SUBSETTING AND OPTIONS

A HITSP Interoperability Specification must be implemented in its entirety for an implementation to claim conformance to the specification. HITSP may define the permissibility for interface scoping, subsetting or implementation options by which the specification may be implemented in a limited manner. Such scoping, subsetting and options may extend to associated constructs, such as this construct. This construct must implement all requirements within the selected scope, subset or options as defined in the associated Interoperability Specification to claim conformance.

2.0 TRANSACTION PACKAGE DEFINITION

2.1 CONTEXT OVERVIEW

In the context of public health, surveillance of reportable conditions typically includes required reporting to laboratories and healthcare providers of defined conditions and test results, which are defined by state public health authorities to be of interest for the monitoring and management of potential public health threats. These reports include some information available in the clinical or laboratory information systems, but also typically include a number of supplemental information variables specific to the reportable disease that require human input or computation from one or many systems. The Retrieve Form for Data Capture Transaction Package will enable such data capture from within the user's clinical information system which will help to improve the workflow and timeliness of required reporting.

In the context of quality, the patient-level data collected from providers are sent for analysis and aggregation to compute the quality measures and to generate comparative reports. While the patient-level quality data may be retrieved from the local system, much of the information is often unavailable to the system generating the patient-level quality data. The HITSP Retrieve Form for Data Capture Transaction Package will enable the provider to capture from within the clinical information system the information not available in electronic format through supplemental data entry within the clinical information system.

The selected standard is the Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (TF) 2007 – 2008 Supplement, Retrieve Form for Data Capture (RFD) Integration Profile.

Table 2-1 Transaction Package Constraints

Constraint	Constraint Section
No applicable constraints	

2.1.1 INTERFACES

The interfaces are further described in the IHE RFD Supplement (IHE-ITI-TF RFD), Section 17.2.

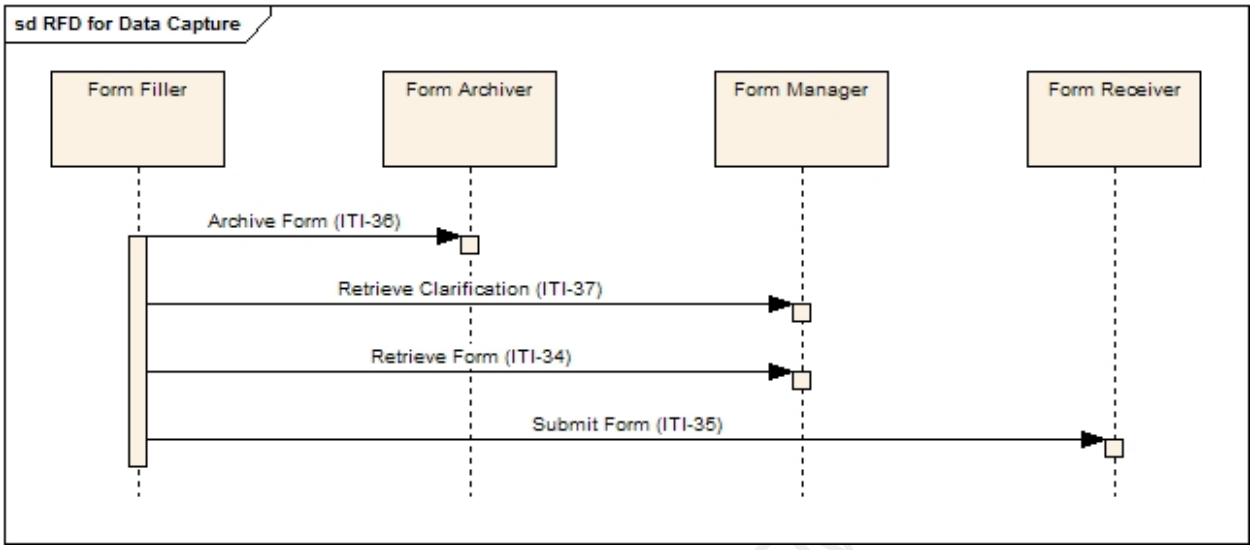
Table 2-2 Interfaces

Interface	Description	Used in Component/ Standard	Transaction/ Content	Optionality[1]
Form Archiver (Option for CIS supporting form management locally)	Responsible for receiving form instance data for archival purposes	IHE-ITI-TF RFD	Archive form	R
Form Filler	Responsible for retrieving a form from submitting form instance data to a Form Receiver. The mechanism by which a unique identification of a form is obtained is outside the scope of the Retrieve Form for Data Capture profile	IHE-ITI-TF RFD	Retrieve form	R
			Submit form	R
			Archive form	O
			Retrieve clarifications	O
Form Manager (Option for CIS supporting form management locally)	Supplies a form based upon a request with unique form identification	IHE-ITI-TF RFD	Retrieve form	R
			Retrieve clarifications	R
Form Receiver (Option for CIS supporting form management locally)	Receives form instance data	IHE-ITI-TF RFD	Submit form	R

[1] Optionality = "R" for Required, "R2" for Required if known, "O" for Optional or "C" for Conditional.

2.1.2 INTERFACE INTERACTIONS

Figure 2-1 RFD Process Flow



All process flows associated with this Transaction Package can be found in Section 17.4 of the IHE IT Infrastructure Technical Framework Retrieve Form for Data Capture Integration Profile.

2.1.3 PRE-CONDITIONS

Table 2-3 Pre-conditions

Pre-condition
For Biosurveillance, a reportable condition or laboratory value is generated in the Clinical Information System or Laboratory Information System
For Biosurveillance, state public health authorities have defined supplemental data forms to capture data values of interest for management and monitoring of reportable conditions
It is expected that the security framework under which this Transaction Package operates is in accordance with the Interoperability Specification that references this construct. Therefore all applicable HITSP Security and Privacy constructs are implemented as required
These data forms have been expressed in XFORMS (not specified by this Transaction Package– rather this is left to the discretion of the implementer)

2.1.3.1 PROCESS TRIGGERS

Table 2-4 Process Triggers

Process Trigger
Triggers would be specific to the implementation

2.1.4 POST-CONDITIONS

Table 2-5 Post-conditions

Post-condition
Data captured by the form is successfully transmitted to the public health authority or other system implementing the form receiver interface

2.1.4.1 REQUIRED OUTPUT

Table 2-6 Required Output

Required Output	Format/Usage
No applicable required outputs	

2.1.5 DATA FLOWS

All data flows associated for this Transaction Package are specified in Section 17.4 of the IHE IT Infrastructure Technical Framework Retrieve Form for Data Capture Integration Profile.

2.2 LIST OF CONSTRUCTS

Table 2-7 List of Constructs

Construct Name	Interface	Description	Event/Action Code	Content
No applicable constructs				

2.2.1 CONSTRUCT DEPENDENCIES

Table 2-8 Construct Dependencies

Construct	Depends On (Name of Component that it depends on)	Dependency Type (Pre-condition, post-condition, general)	Purpose
No applicable construct dependencies			

2.2.2 ADDITIONAL CONSTRAINTS ON REQUIRED CONSTRUCTS

Table 2-9 Additional Constraints on Required Constructs

Data Element	Construct	Constraint	Constraint Type (Pre-condition, post-condition, general)	Purpose (Reason for this constraint)
No applicable constraints				

2.3 STANDARDS

2.3.1 REGULATORY GUIDANCE

Table 2-10 Regulatory Guidance

Standard	Description
No applicable regulatory guidance	

2.3.2 SELECTED STANDARDS

Table 2-11 Selected Standards

Standard	Description
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (TF) Supplement, Retrieve Form for Data Capture (RFD), Draft for Trial Implementation, October 10 2008	The Retrieve Form for Data Capture Profile (RFD) provides a method for gathering data within a user's current application to meet the requirements of an external system. RFD supports the retrieval of forms from a form source, display and completion of a form, and return of instance data from the display application to the source application. The latest version of the IHE Technical Framework is available at www.ihe.net

2.3.3 INFORMATIVE REFERENCE STANDARDS

Table 2-12 Informative Reference Standards

Standard	Description
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 4.0	The IHE IT Infrastructure Technical Framework defines specific implementations of established standards to achieve integration goals that promote appropriate sharing of health information to support optimal patient care. IHE Integration Profiles offer a common language that healthcare professionals and vendors may use in communicating requirements for the integration of products. The current version of the ITI-TF, rev. 4.0 for Final Text, specifies the IHE transactions defined and implemented as of August 22, 2007. For more information visit www.ihe.net

3.0 APPENDIX

The following sections include relevant materials referenced throughout this document.

No additional information at this time.

4.0 DOCUMENT UPDATES

The following sections provide the history of all changes made to this document.

4.1 DECEMBER 13, 2007

Upon approval by the HITSP Panel on December 13, 2007, this document is now Released for Implementation.

4.2 MARCH 19, 2008

The following changes have been made to the construct:

- Updated overview language to generalize the use to extend beyond public health
- Added process trigger statement
- Updated Figures 1.2-1 and 2.1.3-1

4.3 MARCH 27, 2008

Upon approval by the HITSP Panel on March 27, 2008, this document is now Released for Implementation.

4.4 AUGUST 20, 2008

This document has been modified to reflect the updated HITSP approach to categorizing standards as Regulatory Guidance, Selected Standards, and Informative References.

The following standard has been added as selected:

- Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (TF) 2007 – 2008 Supplement, Retrieve Form for Data Capture (RFD)

The following standard has been added as an informative reference:

- Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 4.0

The following standard has been removed:

- Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 3.0

4.5 AUGUST 27, 2008

Upon approval by the HITSP Panel on August 27, 2008, this document is now Released for Implementation.

4.6 DECEMBER 10, 2008

Minor editorial changes were made to this construct.

This document has been edited to incorporate minor version updates of the underlying standard, IHE NAV.

4.7 DECEMBER 18, 2008

Upon approval by the HITSP Panel on December 18, 2008, this document is now Released for Implementation.

4.8 JUNE 30, 2009

Minor editorial changes were made to this document. Removed boilerplate text for simplification. The term “actor” was replaced with “interface”.

4.9 JULY 8, 2009

Upon approval by the HITSP Panel on July 8, 2009, this document is now Released for Implementation.