

HITSP Patient ID Cross-Referencing Transaction Package

HITSP/TP22



Healthcare Information Technology Standards Panel

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TABLE OF CONTENTS

1.0	INTRODUCTION.....	5
1.1	Overview.....	5
1.2	Copyright Permissions.....	5
1.3	Reference Documents.....	5
1.4	Conformance	5
1.4.1	Conformance Criteria	5
1.4.2	Conformance Scoping, Subsetting and Options	5
2.0	TRANSACTION PACKAGE DEFINITION.....	7
2.1	Context Overview	7
2.1.1	Interfaces.....	8
2.1.2	Interface Interactions.....	9
2.1.2.1	PIX Query Transaction.....	9
2.1.2.2	Patient Identity Feed Transaction	9
2.1.3	conditions and Assumptions.....	9
2.1.3.1	Required Output.....	10
2.1.4	Data Flows.....	10
2.1.4.1	Query – Consumer to Cross-Reference Manager	11
2.1.4.2	Response – Cross-Reference Manager to Consumer.....	11
2.1.4.3	Feed – Source to Cross-Reference Manager	11
2.2	List of HITSP Constructs	13
2.2.1	Construct Dependencies	13
2.2.2	Additional Constraints on Required Constructs.....	13
2.3	Standards	13
2.3.1	Regulatory Guidance.....	13
2.3.2	Selected Standards	13
2.3.3	Informative Reference Standards.....	14
3.0	APPENDIX	15
4.0	DOCUMENT UPDATES	16
4.1	May 11, 2007	16
4.2	March 19, 2008.....	16
4.3	March 27, 2008.....	16
4.4	August 20, 2008	16
4.5	August 27, 2008	16
4.6	September 26, 2008	16
4.7	December 10, 2008	16
4.8	December 18, 2008	17
4.9	June 30, 2009.....	17
4.10	July 8, 2009	17
4.11	November 9, 2009	17
4.12	January 18, 2010.....	18
4.13	January 25, 2010.....	18



FIGURES AND TABLES

Table 1-1 Reference Documents	5
Table 2-1 Interfaces	8
Table 2-2 Context.....	9
Table 2-3 Required Output.....	10
Table 2-4 HITSP Additional PID Segment Constraints: HL7 Segment – PID- Patient Identification.....	11
Table 2-5 HITSP Additional MRG Segment Constraints: HL7 Segment-MRG-Merge Patient Information	12
Table 2-6 Construct Dependencies	13
Table 2-7 Additional Constraints on Required Constructs.....	13
Table 2-8 Regulatory Guidance	13
Table 2-9 Selected Standards	13
Table 2-10 Informative Reference Standards	14



1.0 INTRODUCTION

1.1 OVERVIEW

The Healthcare Information Technology Standards Panel (HITSP) Patient ID Cross-Referencing Transaction Package is used for identifying and cross-referencing different attributes for the same patient. It contains a query for cross-reference and patient identity feed transactions. These transactions are used to identify patients from a list of potentials, and/or to communicate patient demographic data.

1.2 COPYRIGHT PERMISSIONS

COPYRIGHT NOTICE

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1.3 REFERENCE DOCUMENTS

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

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
TN903 - Data Architecture	TN903 is a reference document that provides the overall context for use of the HITSP Data Architecture 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 or Capability, 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 or Capability 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 or Capability to claim conformance.

RELEASED FOR IMPLEMENTATION



2.0 TRANSACTION PACKAGE DEFINITION

2.1 CONTEXT OVERVIEW

The HITSP Patient ID Cross-Referencing Transaction Package is used for identifying and cross-referencing different attributes for the same patient. It includes the following transactions from the Patient Identifier Cross-Referencing (PIX) Integration Profile in the Integrating the Healthcare Enterprise (IHE) IT Infrastructure (ITI) Technical Framework (TF) revision 6.0 or later, Volume I and II¹:

- PIX Query transaction as described in IHE-ITI TF-2 §3.9
- Patient Identity Feed transaction as described in IHE-ITI TF-2 §3.8
- Patient Identity Management transaction as described in IHE-ITI TF-2 §3.8.4.1. Optionality for including Pediatrics Demographics are shown in IHE IT Infrastructure (ITI) Technical Framework Supplement 2009-2010, Pediatric Demographics, Draft for Trial Implementation (August 10, 2009)

If using the Pediatric Demographics option, the Patient Identity Management [ITI-30] transaction is added to PIX and is used in addition to the Patient Identity Feed [ITI-8]. Note that the Pediatric Demographics option uses Health Level Seven (HL7) Version 2.5 rather than earlier versions.

The PIX Query and Patient Identity Feed transactions are intended for use wherever HL7 messages are suitable for identifying patients from a list of potentials, and/or where patient demographic data needs to be communicated. The PIX Query transaction provides an identified patient query and patient(s) identified response message pair. The PIX Query transaction uses the HL7 Version 2.5 Query and Response data mapping. The Patient Identity Feed transaction allows sending of patient identification information from one system to another. The Patient Identity Feed transaction uses the HL7 Version 2.3.1 ADT data mapping.

The PIX Query and Patient Identity Feed transactions, as described in this document, do not include messages for other purposes, e.g., patient enrollment/identification, patient visit/encounter, and obtaining detailed patient demographics. Messages for such other purposes are provided by other specifications in the suite.

¹ Section references assume ITI Technical Framework 6.0, published in 2009. In later revisions, the section numbers may change.



2.1.1 INTERFACES

Table 2-1 Interfaces

Interface	Description	Used in Component/ Standard	Transaction/ Content	T/C Optionality
Patient Identifier Cross-Reference Consumer	Queries the Patient Identifier Cross-Reference Manager for a list of corresponding patient identifiers, if any Receives a list of corresponding patient identifiers from the Patient Identifier Cross-Reference Manager	IHE-ITI TF-2	PIX Query [ITI-9]	R
			PIX Update Notification [ITI-10]	O
Patient Identifier Cross-Reference Manager	Receives the query for a list of corresponding patient identifiers from the Patient Identifier Cross-Reference Consumer Sends a list of corresponding patient identifiers to the Patient Identifier Cross-Reference Consumer. Receives patient demographic information from the Patient Identity Source	IHE-ITI TF-2	Patient Identity Feed [ITI-8]	C Required if HL7 2.3.1 is used for patient identity feed Shall select at least one of ITI-8 or ITI-30
			PIX Query [ITI-9]	R
			PIX Update Notification [ITI-10]	R
		IHE-ITI TF Pediatric Demographics supplement	Patient Identity Management [ITI-30]	C Required if Pediatric Demographic option is selected Shall select at least one of ITI-8 or ITI-30
Patient Identity Source	Sends patient demographic information when requested, assigns a unique identifier to each instance of a patient, and maintains a collection of identity traits	IHE-ITI TF-2	Patient Identity Feed [ITI-8]	C Required if HL7 2.3.1 is used for patient identity feed Shall select at least one of ITI-8 or ITI-30
		IHE-ITI TF Pediatric Demographics supplement	Patient Identity Management [ITI-30]	C Required if Pediatric Demographic option is selected Shall select at least one of ITI-8 or ITI-30



Optionality Legend: “R” for Required, “O” for Optional, or “C” for Conditional

2.1.2 INTERFACE INTERACTIONS

2.1.2.1 PIX QUERY TRANSACTION

Interface interactions in the PIX Query Transaction are shown in IHE-ITI TF-2 §3.9.2. Interface interactions in the Patient Identity Feed Transaction are as shown in IHE-ITI TF-2 §3.8.2. Note that as stated in , HITSP Constraints for the transaction is that the Document Registry described in IHE-ITI TF-2 §3.8.2 is not applicable.

The PIX Query transaction involves a request by a Patient Identifier Cross-Reference Consumer for a list of patient identifiers that correspond to a patient identifier known by the Consumer. The request is sent as a Get Corresponding Identifiers query and received by a Patient Identifier Cross-Reference Manager. The Patient Identifier Cross-Reference Manager immediately processes the query and sends a Return Corresponding Identifiers response to the Patient Identifier Cross-Reference Consumer that originated the query.² This response contains a list of corresponding patient identifiers if any were found. The process flows in the PIX Query transactions are shown in IHE-ITI TF-2 §3.9.4.

2.1.2.2 PATIENT IDENTITY FEED TRANSACTION

The Patient Identity Feed Transaction sends patient identity and other demographic information from Patient Identity Source to a Patient Identifier Cross-Reference Manager whenever relevant patient data are created or updated.³ The process flows in the Patient Identity Feed Transaction are shown in IHE-ITI TF-2 §3.8.4. Patient Identity Source interfaces which support the Pediatric Demographics option are required to support the Patient Identity Management [ITI-30] Transaction and shall provide values, when available, for the fields identified as Pediatric Demographics fields transaction are shown in IHE-ITI TF-2 §3.30.

2.1.3 CONDITIONS AND ASSUMPTIONS

Table 2-2 Context

Assumptions, Pre-conditions, Post-conditions, and Triggers	Type of Context
It is expected that the security framework under which this Transaction Package operates is in accordance with the HITSP Interoperability Specification that references this construct. Therefore, all applicable HITSP Security and Privacy constructs are implemented as required	Pre-condition
Patient Identifier Cross-Reference Consumer: Contains patient identification numbers based on at least one patient identification domain/assigning authority known to the Patient Identifier Cross-Reference Manager	Pre-condition
Patient Identifier Cross-Reference Manager: Maintains a list of patient identification numbers from and correlated with that sent by Patient Identifier Cross-Reference Consumers and additional domains/assigning authorities	Pre-condition
Patient Identity Source: Maintains patient demographic information for at least one patient identification domain/assigning authority known to the Patient Identifier Cross-Reference Manager	Pre-condition
Patient Identifier Cross-Reference Consumer: as described in IHE-ITI TF-2 §3.9.4.1.1	Trigger
Patient Identifier Cross-Reference Manager: as described in IHE-ITI TF-2 §3.9.4.2.1	Trigger
Patient Identity Source: as described in IHE-ITI TF-2 §3.8.4.1.1	Trigger
Patient Identifier Cross-Reference Consumer: A list, where found by the Patient Identifier Cross-Reference Manager, of one or more patient identification numbers from domains/assigning authorities beyond those for which patient identification numbers were previously available	Post-condition
Patient Identifier Cross-Reference Manager: Creating or updating of patient identification information received	Post-condition

² IHE-ITI TF-2 §3.9.1

³ IHE-ITI TF-2 §3.8.1



Assumptions, Pre-conditions, Post-conditions, and Triggers	Type of Context
Patient Identity Source: None beyond providing outputs related to this Transaction	Post-condition

2.1.3.1 REQUIRED OUTPUT

Table 2-3 Required Output

Required Output	Format/Usage
Patient Identifier Cross-Reference Consumer: None specifically related to the PIX transaction	
Patient Identifier Cross-Reference Manager: A Return Corresponding Identifiers message containing, where applicable, a list of one or more patient identification numbers from domains/assigning authorities beyond those for which patient identification numbers were requested; where no list of applicable patient identification numbers is possible, indicators in the message as to the reason no list was provided	See IHE PIX
Patient Identity Source: None beyond sending a Patient Identity Feed message	

2.1.4 DATA FLOWS

Below are transaction level constraints:

TP22-[MSG-1-1]	The Patient Identity Feed transactions MAY be used by any system capable of performing real-time HL7 query and response and/or unsolicited patient demographic feed transactions
TP22-[MSG-1-2]	The Patient Identifier Cross-Reference Consumer interface SHALL be able to communicate the data elements necessary for the Patient Identifier Cross-Reference Manager to be able to process the received query and return a list of matching patient identifiers
TP22-[MSG-1-3]	The Patient Identifier Cross-Reference Manager interface SHALL be able to create a possibly empty list of matching patient identifiers solely based on the data elements received in the query message from the Patient Identifier Cross-Reference Consumer. Additionally, the Patient Identifier Cross-Reference Manager SHALL be able to receive patient demographic data from the patient identity source interface to maintain its database of patient information
TP22-[MSG-1-4]	The patient identity source interface SHALL be able to send patient demographic data to the Patient Identifier Cross-Reference Manager when new or changed information is captured

Consistent with the process flows discussed above, there are two data flows for the PIX transaction:

- Query from Consumer to Cross-Reference Manager: Query to Get Corresponding Identifiers from Patient Identifier Cross-Reference Consumer to Patient Identifier Cross-Reference Manager
- Response from Cross-Reference Manager to Consumer: Response to a query to Return Corresponding Identifiers from Patient Identifier Cross-Reference Manager to Patient Identifier Cross-Reference Consumer

Details of these two data flows are contained in Sections 2.1.4.1 and 2.1.4.2 below.

Only one data flow exists for the Patient Identity Feed Transaction for sending demographic data from the Patient Identity Source to the Patient Identifier Cross-Reference Manager, although there are two variants depending on whether patient merging is performed or not. Details of this data flow and its variants are contained in Subsection 2.1.4.3.



2.1.4.1 QUERY – CONSUMER TO CROSS-REFERENCE MANAGER

The Get Corresponding Identifiers query portion of the Patient ID Cross-Reference Transaction is described in IHE-ITI TF-2 §3.9.4.1.2. It consists of three segments: MSH, QPD, and RCP.

Use of the QPD segment is described in IHE-ITI TF-2 §3.9.4.1.2.2.

2.1.4.2 RESPONSE – CROSS-REFERENCE MANAGER TO CONSUMER

The Return Corresponding Identifiers response portion of the Patient ID Cross-Reference Transaction is described in IHE-ITI TF-2 §3.9.4.2.2. It consists of up to six segments: MSH, MSA, ERR, QAK, QPD, and PID.

Use of the QPD segment is described in IHE-ITI TF-2 §3.9.4.2.2.4.

Use of the PID segment is described in IHE-ITI TF-2 §3.9.4.2.2.5.

2.1.4.3 FEED – SOURCE TO CROSS-REFERENCE MANAGER

The Patient Identity Source is responsible to map their internal patient identification information as specified by this section, such as Patient ID, Patient Name, etc.

The Patient Identity Feed is described in IHE-ITI TF-2 §§3.8.4.1.2 and 3.8.4.2.2. It consists of up to four segments: MSH, EVN, PID, and sometimes MRG.

Use of the PID segment is described in IHE-ITI TF-2 §§3.8.4.1.2.3 and 3.8.4.2.2.3. Table 2-4 shows additional HITSP constraints on this usage.

Table 2-4 HITSP Additional PID Segment Constraints: HL7 Segment – PID- Patient Identification

Constraint ID	HL7 V2 Data Element	HITSP Data Element Identifier and Name	Optionality	Additional Specification
TP22-[DET-1-1]	PID 5.3 - Middle Names	1.05 - Person Name	R2	TP22-[DE-1.05-1] If more than one middle name is available, all available middle names SHALL be concatenated with separating spaces in this component
TP22-[DET-1-2]	PID 10.3 - Name of Coding System number 1 (Race)	1.10 - Race	O	C154-[DE-1.10-1] Race SHALL be coded as specified in HITSP/C80 Section 2.2.1.2.7 Race
TP22-[DET-1-3]	PID 10.4 - Alternate Identifier (Race)	1.10 - Race	O	C154-[DE-1.10-1] Race SHALL be coded as specified in HITSP/C80 Section 2.2.1.2.7 Race
TP22-[DET-1-4]	PID 10.5 - Alternate Text (Race)	1.10 - Race	O	C154-[DE-1.10-1] Race SHALL be coded as specified in HITSP/C80 Section 2.2.1.2.7 Race
TP22-[DET-1-5]	PID 11.1.1 - Street or Mailing Address	1.03 Person Address	O	
TP22-[DET-1-6]	PID 11.1.2 - Street Name	1.03 Person Address	O	
TP22-[DET-1-7]	PID 11.1.3 - Dwelling Number	1.03 Person Address	O	



Constraint ID	HL7 V2 Data Element	HITSP Data Element Identifier and Name	Optionality	Additional Specification
TP22-[DET-1-8]	PID 11.2 - Other Designation	1.03 Person Address	O	TP22-[DE-1.03-1] MAY be used for second line of Street Address
TP22-[DET-1-9]	PID 11.3 – City	1.03 Person Address	O	
TP22-[DET-1-10]	PID 11.4 - State/Province	1.03 Person Address	O	C154-[DE-1.03-1] The state part of an address in the United States SHALL be recorded using HITSP/C80 Section 2.2.1.1.1 State
TP22-[DET-1-11]	PID 11.5 - ZIP/Postal Code	1.03 Person Address	O	C154-[DE-1.03-2] The postal code part of an address in the United States SHALL be recorded using HITSP/C80 Section 2.2.1.1.2 Postal Code
TP22-[DET-1-12]	PID 11.6 – Country	1.03 Person Address	O	C154-[DE-1.03-3] The country part of an address SHALL be recorded using HITSP/C80 Section 2.2.1.1.3 Country
TP22-[DET-1-13]	PID 13 - Phone Number – Home	1.04 - Person Phone/Email/URL	O	TP22-[DE-1.04-2-1] If repetition occurs, then first occurrence SHALL be the primary telephone number used for patient contact ⁴
TP22-[DET-1-14]	PID 13.5 - Country Code (Phone Number – Home)	1.04 - Person Phone/Email/URL	O	
TP22-[DET-1-15]	PID 13.6 - Area/City Code	1.04 - Person Phone/Email/URL	O	
TP22-[DET-1-16]	PID 13.7 - Local Number	1.04 - Person Phone/Email/URL	O	

Optionality = “R” for Required, “RE” for Required if Known or “O” for Optional, or “C” for Conditional

Use of the PID segment is described in IHE-ITI TF-2 §3.8.4.2.2.4 and IHE-ITI TF-2 Table 3.8-4. The Table 2-5 HITSP Additional MRG Segment Constraints: HL7 Segment-MRG-Merge Patient Information shows additional HITSP constraints on this usage.

Table 2-5 HITSP Additional MRG Segment Constraints: HL7 Segment-MRG-Merge Patient Information

Constraint ID	HL7 V2 Data Element	HITSP Data Element Identifier and Name	Optionality	Additional Specification
TP22-[DET-2-1]	MRG 7.3 - Middle Names	1.05 - Person Name	R2	TP22-[DE-1.05-1] If more than one middle name is available, all available middle names SHALL be concatenated with separating spaces in this component

Optionality = “R” for Required, “RE” for Required if Known or “O” for Optional, or “C” for Conditional

There are no additional HITSP constraints on the additional elements as specified in the Pediatrics Demographics option supplement.

⁴HL7 version 2.5 §3.4.2.13



2.2 LIST OF HITSP CONSTRUCTS

2.2.1 CONSTRUCT DEPENDENCIES

Table 2-6 Construct Dependencies

Construct	Depends On (Name of Component that it depends on)	Dependency Type (Pre-condition, post-condition, general)	Purpose (Reason for this dependency)
HITSP/TP22-Patient ID Cross-Referencing Component	HITSP/C154-HITSP Data Dictionary	General	Identifies HITSP Data Elements that map to the HL7 Data Elements constrained by this Component
HITSP/TP22-Patient ID Cross-Referencing Component	HITSP/C80-HITSP Clinical Document and Message Terminology Component	General	Identifies HITSP Vocabularies that constrain the HL7 Data Elements in this Component

2.2.2 ADDITIONAL CONSTRAINTS ON REQUIRED CONSTRUCTS

Table 2-7 Additional Constraints on Required Constructs

Constraint ID	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 2-8 Regulatory Guidance

Regulation	Description
No applicable regulatory standards	

2.3.2 SELECTED STANDARDS

Table 2-9 Selected Standards

Standard	Description
Health Level Seven (HL7) Version 2.3.1 Chapter 2 – Control, Chapter 3 – Patient Administration	The HL7 Version 2.3.1 Messaging Standard is an application protocol for electronic data exchange in healthcare. It and prior versions have widespread use in the U.S. and internationally. Both message formats and value sets/code tables are contained in the standard. For more information visit www.hl7.org
Health Level Seven (HL7) Version 2.5, Chapter 2 – Control, Chapter 3 – Patient Administration, Chapter 5 - Query	The HL7 Version 2.5 Messaging Standard is an application protocol for electronic data exchange in healthcare. It and prior versions have widespread use in the U.S. and internationally. Both message formats and value sets/code tables (e.g., diagnosis type, gender, patient class, result status, specimen collection method, abnormal flags, observation result status codes interpretation, timestamp format) are contained in the standard. For more information visit www.hl7.org



Standard	Description
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 4.0 or later, Patient Identifier Cross-Referencing Integration Profile (PIX)	The Patient Identifier Cross-referencing Integration Profile (PIX) is targeted at healthcare enterprises of a broad range of sizes (hospital, a clinic, a physician office, etc.). It supports the cross-referencing of patient identifiers from multiple Patient Identifier Domains via the following interactions: 1) The transmission of patient identity information from an identity source to the Patient Identifier Cross-reference Manager. 2) The ability to access the list(s) of cross-referenced patient identifiers either via a query/ response or via update notification. By specifying the above transactions among specific interfaces, this integration profile does not define any specific enterprise policies or cross-referencing algorithms. By encapsulating these behaviors in a single interface, this integration profile provides the necessary interoperability while maintaining the flexibility to be used with any cross-referencing policy and algorithm as deemed adequate by the enterprise. For more information visit www.ihe.net
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Supplement 2009 - 2010, Pediatric Demographics, Draft for Trial Implementation (August)	The experience of immunization registries and other public health population databases has shown that matching and linking patient records from different sources for the same individual person in environments with large proportions of pediatric records requires additional demographic data. Pediatric Demographics makes use of the following six additional demographic fields to aid record matching in databases with many pediatric records. The latest version of the IHE Technical Framework is available at www.ihe.net

2.3.3 INFORMATIVE REFERENCE STANDARDS

The following table lists standards that provide additional background information or guidance; however, they are not required for the implementation of the Transaction Package specification.

Table 2-10 Informative Reference Standards

Standard	Reason for Use
No applicable informative reference standards	



3.0 APPENDIX

There is no additional information at this time.

RELEASED FOR IMPLEMENTATION



4.0 DOCUMENT UPDATES

The following sections provide the details of updates made to this document.

4.1 MAY 11, 2007

This document is now Released for Implementation.

4.2 MARCH 19, 2008

This document has been updated to include the HITSP Security and Privacy constructs and has been updated to reflect the new template.

The following changes have been made to the construct:

- Updated Table 2-1 with IHE content
- Updated Section 2.3 – updated to IHE ITI TFv2 Revision 4

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. Name of IHE profile standard was clarified.

4.5 AUGUST 27, 2008

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

4.6 SEPTEMBER 26, 2008

This document has been modified to include a new option from the underlying IHE supplement for Pediatrics Demographics query, as documented in Section 2.0. This option is available for Interoperability Specifications to include as additional requirements for implementation.

4.7 DECEMBER 10, 2008

The changes in this construct address the following comments received during the Public Comment and Inspection Testing period (September 29 – October 24, 2008).

No comments were received.

The use of HL7 2.3.1 for the Patient Identity Feed has been clarified in Section 2.1 Context Overview.

Changed the optionality for the interfaces: Patient Identifier Cross-Reference Manager, and Patient Identity Source in Section 2.1.1 Interfaces.

Provided specific standard reference for HL7 V2.3.1 and HL7 V2.5 in Table 2-9 Selected Standards.

Minor editorial changes were made to this construct.



4.8 DECEMBER 18, 2008

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

4.9 JUNE 30, 2009

This document has been updated to include changes based upon Public Comment:

- 5214

The term “PIX Transaction” was updated to the correct term “PIX Query Transaction” throughout the document. The full text of the comments along with the disposition can be reviewed on the HITSP Public Web Site.

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

4.10 JULY 8, 2009

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

4.11 NOVEMBER 9, 2009

This document has been modified to incorporate the guidance provided by TN903 the Data Architecture Technical Note and updates required by the HITSP Security and Privacy Technical Committee. This includes:

- Updated all references to the latest IHE Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework Version 6.0 and Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Supplement 2008-2009
 - Section 2.1.1 Transaction Package Constraints moved and re-formatted as number constraints within the Section 2.1.6
 - 2.1.6 Data flows:
 - Text is much more specific regarding SHALL/SHALL NOT etc. This text was previously in Table 2-1
 - Editorial corrections made to the constraints moved from the previous Table 2-1 (now deleted) and inserted in Section 2.1.6. Specifically this includes deleting the text “PIX and” from the first constraint (TP22-[MSG-1-1] and the deleting the text “store and” from TP22-[MSG-1-2])
 - The constraint “The Document Registry described in IHE-ITI TF-2 §3.8.2 is not applicable” is not relevant and has been removed
 - 2.1.6.1 and 2.1.6.2 and Table 2-8, Table 2-9, and Table 2-10: The OID requirement to be an ISO Object Identifier (OID) has been removed. Table 2-8 has been deleted accordingly, and Table 2-9 has been modified (first two rows deleted)
- Table 2-9:
- The constraint for PID 10.2 and 10.4 using HITSP/C80 Section 2.2.1.2.7 Race has been added to Table 2-9
 - Text associated with PID 11.1.1 and PID 11.3 - under “Additional Specification” has been removed
 - PID 11.4 has been modified to reflect HITSP/C154 constraints and be specific to the U.S.
 - PID 11.5, PID11.6, PID 13, PID 13.5 are modified to reflect HITSP/C80
 - Table 2-9: HITSP/C154 referenced as an additional HITSP construct in the table

Table 2-10:



- The constraint for PID 10.2 and 10.4 using HITSP/C80 Section 2.2.1.2.7 Race has been added to Table 2-9

4.12 JANUARY 18, 2010

The document has been updated to reflect changes made to the HITSP Transaction Package Template Version 2.7.

4.13 JANUARY 25, 2010

Upon approval by the HITSP Panel on January 25, 2010, this document is now Released for Implementation.

