

HITSP Emergency Care Summary Document Using IHE Emergency Department Encounter Summary (EDES) Component

HITSP/C28



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TABLE OF CONTENTS

1.0	INTRODUCTION	5
1.1	Overview	5
1.2	Component Construct Roadmap	5
1.3	Copyright Permissions.....	6
1.4	Reference Documents.....	7
2.0	COMPONENT DEFINITION.....	8
2.1	Context Overview	8
2.1.1	Component Constraints.....	9
2.1.2	Component Dependencies	9
2.2	Rules for Implementing.....	10
2.2.1	Data Mapping	10
2.2.2	Guidelines and Examples.....	10
2.3	List of Standards.....	10
3.0	TECHNICAL IMPLEMENTATION	11
3.1	Conformance	11
3.1.1	Conformance Criteria	11
3.1.2	Conformance Scoping, Subsetting and Options	11
4.0	APPENDIX	12
5.0	CHANGE HISTORY	13
5.1	December 5, 2007	13
5.2	December 13, 2007	13



FIGURES AND TABLES

Figure 1.2-1 Component Construct Roadmap	6
Table 2.1.1-1 Component Constraints	9
Table 2.1.2-1 Component Dependencies	9
Table 2.3-1 List of Standards	10



1.0 INTRODUCTION

As an introduction to the HITSP Emergency Care Summary Document Using IHE Emergency Department Encounter Summary (EDES) Component, this section provides a high level overview of the information sharing scenario enabled by following this specification, provides a document map of the construct relationships for this specification, acknowledges the copyright protections that pertain, and provides links to key reference documents and background material. If you are already familiar with this information, proceed to Section 2.0 Component Definition.

1.1 OVERVIEW

This section describes the contents of this specification and provides a high level definition of this Component and background information about the underlying standards that the Component is based on.

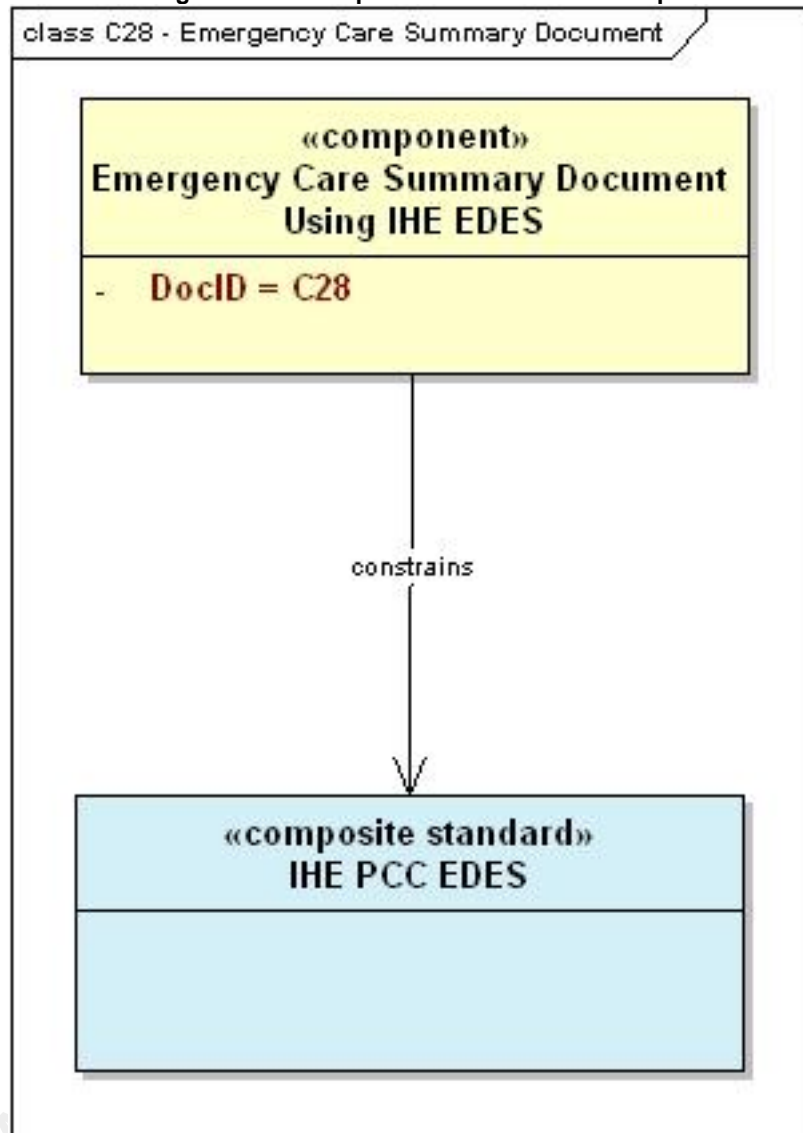
An Emergency Department (ED) summary document is the collection of data from multiple sources (such as physicians, nurses, technologists, etc.) recording the assessments and care delivered by the ED team in response to an ED visit. It is a summary of the patient's current health status and care tendered in the ED between arrival and ED departure. It is not the complete "ED Chart" that may be the legal document of care, but a collection of medical summaries.

1.2 COMPONENT CONSTRUCT ROADMAP

Each HITSP Interoperability Specification (IS) is comprised of a suite of constructs that, taken as a whole, define how to integrate and constrain existing standards and specifications that will satisfy the requirements imposed by a given Use Case. The IS groups specific actions and actors to describe the relevant contexts using HITSP constructs that further identify and constrain standards where necessary. There are four types of HITSP constructs called Interoperability Specifications (IS), Transaction Packages (TP), Transactions (T), and Components (C). The current Emergency Care Summary Document Using IHE Emergency Department Encounter Summary (EDES) Component specification is used with other constructs to meet the requirements of one or more ISs. Review Section 1.2 (Interoperability Specification Construct Roadmap) from the relevant IS to better understand the context, dependencies, and relationships between the constructs that are used to meet the IS requirements. The roadmap in Figure 1.2-1 depicts primary standards that are selected, constrained, or referenced to define the atomic constructs used in an information exchange, or to meet an infrastructure requirement. Implementers should read the documents that describe the standards represented in the diagram for their details and specific uses.



Figure 1.2-1 Component Construct Roadmap



1.3 COPYRIGHT PERMISSIONS

COPYRIGHT NOTICE

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IHE materials used in this document have been extracted from relevant copyrighted materials with permission of Integrating the Healthcare Enterprise (IHE). Copies of this standard may be retrieved from the IHE Web Site at www.ihe.net.



1.4 REFERENCE DOCUMENTS

This section contains links to key reference documents and background material.

The [HITSP Interoperability Specification Overview](#) provides the background information about the HITSP and its role in the overall U.S. efforts to realize large scale interoperability of health information. The document also provides a description of the HITSP process for healthcare standards harmonization and explains how to use the Interoperability Specifications and other related documents to inform your health IT product development or product refinement.

The conventions that are used to convey the full descriptions and usage of standards in the HITSP specifications are contained in the [HITSP Conventions List](#).

The acronyms used in this document are contained in the [HITSP Acronyms List](#).

The [HITSP Glossary](#) provides definitions for relevant terms used by HITSP documents.

The [HITSP Harmonization Framework](#) describes the current framework within which the Interoperability Specifications are built.

A Technical Note, [TN900 - Security and Privacy](#), has been developed as a reference document to provide the overall context for use of the HITSP Security and Privacy constructs. It includes the following:

- The scope, reference policy background, and Security and Privacy principles used in the development of the constructs
- A detailed description and schematics of the conceptual relationship between the Security and Privacy constructs
- A mapping of existing standards and constructs to be used in meeting the stated requirements of the AHIC Use Cases
- A list of identified gaps and the recommended approaches to resolving those gaps
- A roadmap for how the Security and Privacy constructs will evolve and eventually align with other HITSP Interoperability Specifications
- A conceptual framework for Security and Privacy management, including reference information on privacy policies, risk assessment, and risk management
- A glossary of terms used in all the Security and Privacy construct documents
- A description of the application of the Security and Privacy constructs to the HITSP Interoperability Specifications for the three initial AHIC Use Cases – Biosurveillance, Electronic Health Records - Laboratory Results Reporting, and Consumer Empowerment

HITSP will periodically update this Technical Note as required by the introduction of new contexts for use.



2.0 COMPONENT DEFINITION

A Component defines atomic constructs used to support an information exchange or to meet an infrastructure requirement. This is accomplished by:

- (a) Referencing one or more underlying standards
- (b) Specifying constraints and other rules for using the standards

2.1 CONTEXT OVERVIEW

This section provides a general description of the Component. It includes a detailed definition of the Component and the reason for its use. It also provides all the necessary background information that further describes the context in which the Component is needed, and the base or composite standard that the Component is based on.

This Component is based upon the output developed by the Integrating the Healthcare Enterprise Patient Care Coordination Committee (IHE PCC). This Component specifies the use of the Emergency Department Encounter Summary (EDES), Technical Framework Supplement, Volume I, Revision 3.0, 2007-2008.

As stated in IHE PCC-TF:

The text for the PCC-TF specification begins here:

The ED Encounter Summary is a folder in XDS that defines a collection of documents. Separate content profiles must be created for the various kinds of documents that might be included to represent the various kinds of documents that might be found in the EDES Folder. These content profiles include:

- ED Triage Note – this document contains data compiled during the ED triage process.
- ED Nursing Note – this document contains data compiled during the on-going care (after initial triage) of the ED patient.
- Composite ED Triage and ED Nursing Note – this document can be used in lieu of individual triage and ED Nursing notes by implementers where both above documents may be consolidated into a single document.
- ED Physician Note – this document is a summary view of ED physician documentation.
- Prehospital Care Report – this document has been identified as a future work product and is on the PCC Roadmap for 2008.
- EDR (Emergency Department Referral) – this document was developed in the 2006 IHE cycle to support referral of a patient to the emergency department.
- Diagnostic Imaging Reports – shall be shared using XDS-I.



- Lab Reports – Laboratory reports shall be shared using XD*-LAB.
- Consultations – future document type specification.
- Transfer Summary – future document type specification.
- Summary of Death – future document type specification.

The text for the PCC-TF specification ends here.

IHE has not defined all of the content profiles in the above list. This Component specifies the support for the ED Triage Note, ED Nursing Note and ED Physician Note.

2.1.1 COMPONENT CONSTRAINTS

This section describes the constraints that limit the context in which the Component may be used. A constraint describes a rule that limits the use of the actors, actions or data within the given context, or to which the interactions must conform to be used within the described context. It is a description of the limits and scope of the interactions and can describe actions or events that are not part of the initial definition for the context.

Implementations of this Component shall support the specification defined by the IHE PCC document; Emergency Department Encounter Summary (EDES), Technical Framework Supplement, Volume I, Revision 3.0, 2007-2008. No additional constraints are defined in this Component.

Table 2.1.1-1 Component Constraints

Constraint Code	Constraint
No applicable constraints	

2.1.2 COMPONENT DEPENDENCIES

This section describes any specific mapping criteria for the standards underlying the Component. It elaborates on the relationships between different standards used by this Component, and how they map to each other. Additional required mapping criteria not currently enforced by the underlying standards, and any specific elements that are required for this mapping to succeed, are also provided.

Dependencies are defined by the IHE Emergency Department Encounter Summary (EDES), Technical Framework Supplement. No additional dependencies are defined in this Component.

Table 2.1.2-1 Component Dependencies

Standard/HITSP Component	Depends On (Name of standard/HITSP Component that it depends on)	Dependency Type (Pre-condition, Post-condition, General)	Purpose (Reason for this dependency)
No applicable dependencies			



2.2 RULES FOR IMPLEMENTING

The following section documents the content of the Component. It provides the basic elements and secondary standards that are supported by this Component and the constraints that are being placed on those standards. Specifically, it describes the subset or constraints that are required for this Component, and the minimum attributes of the Component as it relates to the base or composite standards on which it is based.

2.2.1 DATA MAPPING

This section describes the specific data elements used by this Component. Due to the potentially large number of data elements in a particular standard, only the fields that HITSP is constraining differently from the standard will be described here.

No applicable data mappings

2.2.2 GUIDELINES AND EXAMPLES

This section provides additional guidelines and examples that support the underlying base or composite standards for this Component. It describes how these specifications differ from the underlying standards, and provides guidelines and examples for implementation.

See IHE PCC Emergency Department Encounter Summary (EDES), Technical Framework Supplement, Volume I, Revision 3.0, 2007-2008 for guidelines and examples.

2.3 LIST OF STANDARDS

It is important to understand that the standards selected here are within the context of the specific Use Case requirements and do not necessarily reflect selection in other contexts. The following standards are used to implement this Component specification:

Table 2.3-1 List of Standards

Standard	Description
Integrating the Healthcare Enterprise (IHE) Patient Care Coordination (PCC) - Emergency Department Encounter Summary (EDES), Technical Framework Supplement, Volume I, Revision 3.0, 2007-2008.	The IHE Patient Care Coordination Technical Framework (PCC TF) defines specific implementations (called Integration Profiles) of established standards to deal with integration issues that cross providers, patient problems or time. The Emergency Department Encounter Summary (EDES) enables the sharing of emergency department summary information between enterprises of a regional health network, and further describes how to map content in a CDA medical document into registry metadata. In the registry, healthcare providers publish pointers to documents stored in distributed repositories. Other healthcare providers may search and retrieve these and other documents. Visit www.ihe.net for more information.
See the above IHE Technical Framework for standards required by its specifications	



3.0 TECHNICAL IMPLEMENTATION

3.1 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.

3.1.1 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 be constrained as specified in table 2.1.1-1, and implement all of the required actors, where defined, 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 with which this construct is associated.

3.1.2 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 actor 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.



4.0 APPENDIX

The following sections include relevant materials referenced throughout this document.

No additional information at this time.



5.0 CHANGE HISTORY

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

5.1 DECEMBER 5, 2007

The changes in this cycle address the following comments:

536, 1218, 1220, and 1222

The full text of the comments along with the Technical Committee's disposition can be reviewed on the [HITSP Public Web Site](#).

5.2 DECEMBER 13, 2007

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

