

HITSP EMS Transfer of Care Component

HITSP/C148



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	6
2.0	COMPONENT DEFINITION.....	7
2.1	Context Overview	7
2.1.1	Component Dependencies	7
2.2	Rules for Implementing.....	7
2.2.1	Data Mapping	7
2.3	Standards	9
2.3.1	Regulatory Guidance.....	9
2.3.2	Selected Standards	10
2.3.3	Informative Reference Standards.....	10
3.0	APPENDIX	11
4.0	DOCUMENT UPDATES	12
4.1	January 31, 2010.....	12



FIGURES AND TABLES

Table 1-1 Reference Documents	5
Table 2-1 Component Dependencies	7
Table 2-2 EMS Transfers of Care Content Modules.....	7
Table 2-3 Regulatory Guidance	9
Table 2-4 Selected Standards	10
Table 2-5 Informative Reference Standards	10



1.0 INTRODUCTION

1.1 OVERVIEW

This specification makes use of the HL7 Clinical Document Architecture standard to define a clinical document that enables the exchange of key clinical information between pre-hospital providers and emergency department personnel.

1.2 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) International. Copies of this standard may be retrieved from the [IHE Web Site](#).

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 HITSP 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	Developed as a reference document to provide the overall context for use of the HITSP Security and Privacy constructs
TN901 - Clinical Documents	TN901 is a reference document to provide the overall context for use of the HITSP Care Management and Health Records constructs
TN903 – Data Architecture	TN903 is a reference document that provides the overall context for use of the HITSP Data Architecture constructs
TN904 – Harmonization Framework and Exchange Architecture	TN904 is a reference document that provides the overall context for use of the HITSP Harmonization Framework and Exchange Architecture

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.



2.0 COMPONENT DEFINITION

A Component defines HITSP 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 Component meets the needs for reporting information generated by emergency responders occurring during pre-hospital care. It is based upon the Integrating the Healthcare Enterprise (IHE) Patient Care Coordination (PCC) Technical Framework Supplement EMS Transfers of Care Integration Profile.

2.1.1 COMPONENT DEPENDENCIES

Table 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)
HITSP/C148 - EMS Transfer of Care	HITSP/C83 - CDA Content Modules	General	Defines the content modules

2.2 RULES FOR IMPLEMENTING

2.2.1 DATA MAPPING

The HITSP EMS Transfer of Care Component enables the exchange of key clinical information between pre-hospital providers and emergency department personnel. Table 2-2 defines the HITSP constraints for an EMS Transfer of Care. In no case are the HITSP constraints below less strict than those defined by IHE.

The template identifier for this document is 2.16.840.1.113883.3.88.11.148.1

- C148-[CT1-1] Implementations of this component **SHALL** support the Integrating the Healthcare Enterprise (IHE) Patient Care Coordination (PCC) Technical Framework Supplement EMS Transfers of Care, Trial Implementation, August 10, 2009.
- C148-[CT1-2] A CDA Document **SHALL** declare conformance to this HITSP document, by including a <templateId> element with the root attribute containing the following value:
2.16.840.1.113883.3.88.11.148.1
- C148-[CT1-3] The CDA document **SHALL** declare conformance to the IHE EMS Transfers of Care document by including a <templateId> containing the following value:
1.3.6.1.4.1.19376.1.5.3.1.1.19.1

Table 2-2 EMS Transfers of Care Content Modules

Constraint ID	Content Module	HITSP Optional Entry	HITSP Repeatable Entry	Specification Reference
C148-[CT2—1]	Person Information	R	N	See HITSP/C83 Section 2.2.2.1 Personal Information
C148-[CT2—2]	Patient Contacts	R2	N	See HITSP/C83 Section 2.2.2.3 Support



Constraint ID	Content Module	HITSP Optional Entry	HITSP Repeatable Entry	Specification Reference
C148-[CT2—3]	Chief Complaint	R	N	See HITSP/C83 Section 2.2.1.5 Chief Complaint
C148-[CT2—4]	Injury Incident Description	C	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.19.2.1 Either this section or the History of Present Illness section below SHALL be present. Both MAY be present.
C148-[CT2—5]	History of Present Illness	C	N	See HITSP/C83 Section 2.2.1.7 History of Present Illness Either this section or the Injury Incident Description section above SHALL be present. Both MAY be present.
C148-[CT2—6]	Acuity Assessment	R	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.13.2.2
C148-[CT2—7]	Active Problems	C	N	See HITSP/C83 Section 2.2.1.3 Problem List The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—8]	Current Medications	C	N	See HITSP/C83 Section 2.2.1.12 Medications The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—9]	Allergies and Other Adverse Reactions	C	N	See HITSP/C83 Section 2.2.1.2 Allergies and Other Adverse Reactions The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—10]	Immunizations	O	N	See HITSP/C83 Section 2.2.1.17 Immunizations
C148-[CT2—11]	Past Medical History	C	N	See HITSP/C83 Section 2.2.1.2 History of Past Illness The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—12]	History of Pregnancies	C	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.5.3.4 The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—13]	Advance Directives	C	N	See HITSP/C83 Section 2.2.1.16 Advance Directives The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.



Constraint ID	Content Module	HITSP Optional Entry	HITSP Repeatable Entry	Specification Reference
C148-[CT2—14]	Family History	O	N	See HITSP/C83 Section 2.2.1.25 Family History
C148-[CT2—15]	Social History	O	N	See HITSP/C83 Section 2.2.1.26 Social History
C148-[CT2—16]	Vital Signs	R	N	See HITSP/C83 Section 2.2.1.19 Vital Signs
C148-[CT2—17]	Pertinent ROS	C	N	See HITSP/C83 Section 2.2.1.20 Review of Systems. The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—18]	Physical Examination	C	N	See HITSP/C83 Section 2.2.1.18 Physical Examination. The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—19]	Assessment	R	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.13.2.4
C148-[CT2—20]	Intravenous Fluids Administered	C	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.13.2.6 The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—21]	Medications Administered	C	N	See HITSP/C83 Section 2.2.1.15 Medications Administered The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent.
C148-[CT2—22]	Procedures Performed	C	N	See HITSP/C83 Section 2.2.2.17 Procedure The content creator SHALL demonstrate the ability to complete this section. If no data are available in an instance an indication that nothing is known SHOULD be sent. If the section is included, it SHALL contain procedure entries describing the type and timing of each intervention performed (e.g., CPR).
C148-[CT2—23]	Transport Mode	R	N	See IHE templateId 1.3.6.1.4.1.19376.1.5.3.1.1.10.3.2

Optionality = “R” for Required, “R2” for Required if Known or “O” for Optional, or “C” for Conditional. Repeatable = “Y” for Yes, “N” for No

2.3 STANDARDS

2.3.1 REGULATORY GUIDANCE

Table 2-3 Regulatory Guidance

Regulation	Description
No applicable regulatory guidance	



2.3.2 SELECTED STANDARDS

Table 2-4 Selected Standards

Standard	Description
Integrating the Healthcare Enterprise (IHE) Patient Care Coordination (PCC) Technical Framework Supplement EMS Transfers of Care, Trial Implementation, August 10, 2009	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 EMS Transfer of Care profile addresses the electronic exchange of key clinical information between EMS and emergency department personnel would improve the quality of care provided to emergency patients. For more information visit www.ihe.net
Health Level Seven (HL7) HL7 Version 3 Standard: Clinical Document Architecture (CDA), Release 2	The HL7 Clinical Document Architecture is an XML-based document markup standard that specifies the structure and semantics of clinical documents for the purpose of exchange. CDA is one instantiation of HL7's Version 3.0 Reference Information Model (RIM) into a specific message format. Of particular focus for HITSP Interoperability Specifications are message formats for Laboratory Results and Continuity of Care (CCD) documents. Release 2 of the HL7 Clinical Document Architecture (CDA) is an extension to the original CDA document markup standard that specifies the structure and semantics of clinical documents for the purpose of exchange. CDA R2 includes a prose document in HTML, XML schemas, data dictionary, and sample CDA documents. CDA R2 further builds upon other HL7 standards beyond just the Version 3.0 Reference Information Model (RIM) and incorporates Version 3.0 Data Structures, Vocabulary, and the XML Implementation Technology Specifications for Data Types and Structures. For more information visit www.hl7.org

2.3.3 INFORMATIVE REFERENCE STANDARDS

Table 2-5 Informative Reference Standards

Standard	Reason for Use
DEEDS 1.0 Data Elements for Emergency Departments	The Data Elements for Emergency Department Systems (DEEDS) 1.0 Implementation Guide identifies a number of data elements for emergency department use. For more information visit: http://www.cdc.gov/ncipc/pub-res/deedspage.htm
NEMSIS NHTSA Version 2.2.1 Data Dictionary	The National EMS Information System NHTSA Data Dictionary defines data that should be collected for EMS systems as the national, state and local levels. For more information visit: http://www.nemsis.org/



3.0 APPENDIX

No additional information at this time.



4.0 DOCUMENT UPDATES

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

4.1 JANUARY 31, 2010

No changes. This is the first published version of the document.

