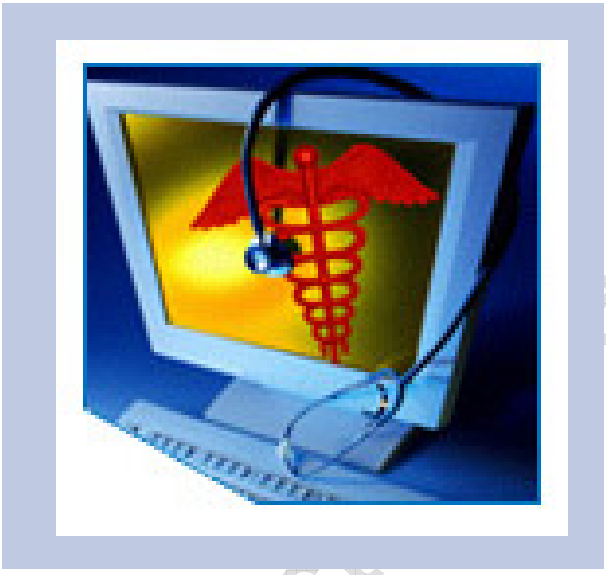
August 18, 2006
Version 1.0

HITSP Interoperability Specification: Acknowledgements Component

HITSP/ISC-45



Submitted to:

Healthcare Information Technology Standards Panel

Submitted by:

Biosurveillance Technical Committee Use Case
Consumer Empowerment Technical Committee Use Case
Electronic Health Records Technical Committee Use Case

DOCUMENT CHANGE HISTORY

Version Number	Description of Change	Name of Author	Date Published
1.0	Final Draft	Biosurveillance TC Consumer Empowerment TC Electronic Health Records TC	08/18/2006

1.0 FOREWORD

Healthcare Information Technology Standards Panel (HITSP) is a multi-stakeholder coordinating body designed to provide the process within which affected parties can identify, select, and harmonize standards for communicating healthcare information throughout the healthcare spectrum. HITSP functions as a partnership of the public and private sectors and operates with a neutral and inclusive governance model administered by the American National Standards Institute. The goal of the Panel is to:

- Facilitate the development of harmonized interoperability specifications and information policies, including SDO work products (e.g. standards, technical reports). These policies, profiles and work products are essential for establishing privacy, security and interoperability among healthcare software applications.
- Coordinate, as appropriate, with other national, regional and international groups addressing healthcare informatics to ensure that the resulting standards are globally relevant.
- Be use-case driven, utilize information from stakeholders and base its decisions on industry needs.

The HITSP shall serve the public good by working to ensure that the combined work of various healthcare information standards organizations supports interoperability, accurate use, access, privacy and security of shared health information.

In order to advance the goal of expanding harmonized interoperability specifications and information policies, HITSP was tasked with developing interoperability specifications for three main use case "breakthroughs areas" in which specific, near term value to the health care consumer could be realized. The harmonized use case areas are:

1.	Biosurveillance	Transmit essential ambulatory care and emergency department visit, utilization, and lab result data from electronically enabled health care delivery and public health systems in standardized and anonymized format to authorized Public Health Agencies with less than one day lag time.
2.	Consumer Empowerment	Allow consumers to establish and manage permissions access rights and informed consent for authorized and secure exchange, viewing, and querying of their linked patient registration summaries and medication histories between designated caregivers and other health professionals.
3.	Electronic Health Record	Allow ordering clinicians to electronically access laboratory results, and allow non-ordering authorized clinicians to electronically access historical and other laboratory results for clinical care.

The interoperability specification provides a detailed mapping of existing standards and specifications such as implementation guides, integration profiles to actions and actors that satisfy the requirements imposed by the relevant use cases. It identifies and constrains standards where necessary, and creates groupings of specific actions and actors to further describe the relevant contexts. Where gaps and

overlaps are identified, the interoperability specification provides recommendations and a roadmap for corrections to be made.

2.0 INTRODUCTION

The Acknowledgements Component is a general purpose message used to report receipt of messages sent using transaction, transaction package, and interoperability messages. Acknowledgements may be either for successful receipt or un-successful receipt.

Acknowledgements messages will be sent by recipients of transaction, transaction package, and interoperability messages where it is determined that notice of successful or unsuccessful receipt of such messages is appropriate and some other suitable response message is not considered sufficient or timely.

2.1 OVERVIEW

This Acknowledgements Component document extracts the Health Level Seven (HL7) version 2.5 General Acknowledgement data mapping for Original Mode acknowledgements. The detailed processing rules for Original Mode acknowledgements are contained in section 2.9.2 of the HL7 version 2.5 standard available from HL7:

3300 Washtenaw Avenue, Suite 227
Ann Arbor, Michigan 48104-4261
Phone: 734-677-7777 FAX: 734-677-6622
www.HL7.org HQ@HL7.org

2.2 AUDIENCE

The interoperability specification is designed to be used by analysts who need to understand the interoperability requirements for the described use case, and by implementers working to develop interoperable applications. Understanding and using the relevant interoperability set of specifications is a key requirement for establishing interoperability compliance.

This document is primarily intended for information technology staff focused on programming inter-computer message transmissions and receipts, and/or building message translators. Knowledge of structures and contents of messages from a communications perspective is most essential. Understanding of the business use of data contained within the messages could be useful in some cases, but is generally not key for this Acknowledgements Component.
Familiarity with Health Level Seven (HL7) version 2 is required. Familiarity with HL7 version 2.5 is preferred.

2.3 TERMS AND DEFINITIONS

The definitions used for the purposes of this document can be found in the glossary found in the appendix.

2.4 CONVENTIONS

This specification uses the following to convey the full descriptions and usage of standards:

UML sequence and activity diagrams

In these diagrams, the actors and transactions are highlighted within the framework of the specific scenario or context. The actors involved in the specified use-scenario or context are mapped out, and the interactions between each action and actor for a particular context, and the flow of data are provided through the use of arrows. Diagrams are named according to the section in which they reside, and will use the following naming convention:

Figure <section number>-<consecutive number for the diagram, e.g. 1, 2, 3, etc.>. <Short name/description of diagram>. For example, a diagram residing in section 3.1.3 showing the Actor Interactions for the Send Lab Results transaction package is named:

Figure 3.1.3-1. Send Lab Results Transaction Package

Tables

Tables are used to indicate standards categorizations, as well as dependencies and constraints between constructs. Tables are named according to the section in which they reside, and will use the following naming convention:

Table <section number>-<consecutive number for the table, e.g. 1, 2, 3, etc.>. <Short name/description of table>. For example, a table residing in section 2.7.1 showing the Dependencies between the transactions for the Send Lab Results transaction package is named:

Table 2.7.1-1. Send Lab Results Transaction Package dependencies

References

When references are made to another section within an Interoperability Specification a section number is used by itself. When references are made to other constructs that are related to the Interoperability Specification, such as Transaction Packages, Components or Composite Standards, the HITSP document short name and section number are displayed as follows:

<HITSP Document short name or Composite Standard Short Name>-<Volume Number>: <section number>

where:

<HITSP document short name> is a short designator for the construct (e.g. HITSP/ISTP-013)

<Composite Standard Short Name> is a short designator for the composite standard (e.g. IHE-ITI TF)

<Volume Number> is the applicable volume within the given composite standard (e.g. 1)

<section number> is the applicable section number (e.g. 3.1)

For example: HITSP/ISTP-013: 3.1 refers to Section 3.1 in the Interoperability Specification for a Transaction Package, IHE-ITI TF-2: 4.33 refers to Section 4.33 in volume 2 of the IHE IT Infrastructure Technical Framework.

This document uses two additional conventions.

(a) HL7 message, segment and field layouts as defined and illustrated in HL7 version 2.5. Segments and fields used are shown in normal text. Unused segments and fields are indicated by a lighter colored gray text. All unused segments that follow the last segment used in a message are not shown. Similarly, all unused fields that follow the last field used in a segment are not shown.

(b) Explanations of each field used organized according to the following table:

Identifier		
Description		
Source – where created		
Rationale – where used		
Data Type		
Conformance		
Repetitions		
Code Domain		

2.5 COMMENTS

To submit comments for this interoperability specification, please download the Comment Submission sheet from the HITSP site at www.hitsp.org and provide all relevant information, and then email the completed document to hitspcomments@ansi.org. Comments are consolidated periodically and sent to the Technical Committees for review.

2.6 COPYRIGHT PERMISSIONS

3.0 STANDARDS REFERENCES

The standard presented here is the only standard that was selected for use with this component.

3.1 LIST OF BASE STANDARDS

Information Interchange Standards

Standard	Description/Reason for selection/Reference
HL7 v 2.5 Messaging	Acknowledgement

3.2 LIST OF COMPOSITE STANDARDS

Not Applicable

4.0 COMPONENT

The Acknowledgements component is a common response to received content (e.g., ADT, encounter, results) messages. An Acknowledgements message is always sent from the receiver of a content message back to the sender unless:

(a) a particular content message requires a pre-defined specific response; e.g., an Immediate mode response to a query, or

(b) Sending and receiving organizations have explicitly pre-negotiated the circumstances under which an Acknowledgements message is not to be sent.

4.1 CONTEXT OVERVIEW

The Acknowledgements component is intended for use wherever Health Level Seven (HL7) content messages are used.

4.1.1 CONTEXTUAL CONSTRAINTS

The Acknowledgements component is used by any pairs of systems capable of exchanging HL7 messages. For the purposes of this document, it is presumed that only real-time HL7 messaging is occurring. Additionally, this Acknowledgements component specification is restricted to HL7 single messaging only; i.e., acknowledgement of multiple messages contained in batches (bracketed by BHS – BTS segments) or files (bracketed by FHS – FTS segments) is not described.

4.1.2 TECHNICAL ACTORS

The Technical Actors in the Acknowledgements component are all pairs of systems who have agreed to exchange HL7 messages and who do not satisfy the exceptions listed in 3.0, above.

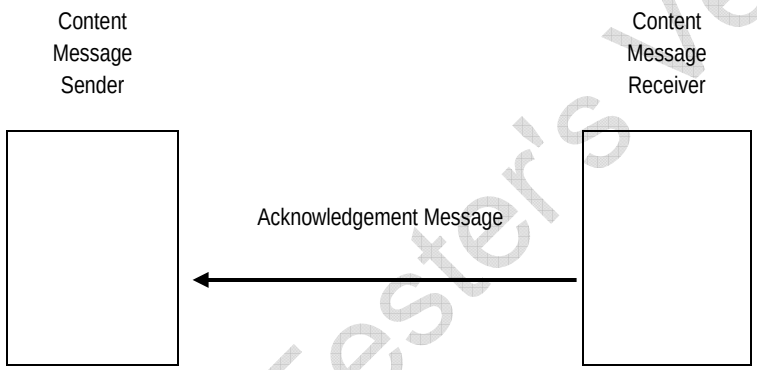
4.2 INFORMATION INTERCHANGE COMPONENTS: RULES FOR IMPLEMENTING

The following sections provide details about the Acknowledgements component

4.2.1 PROCESS FLOWS

This document describes the acknowledgement message in Step 3 in the following chart.

Step	Process
Step 1	Sending system constructs an HL7 content message from application data and sends it to the receiving system
Step 2	Receiving system receives content message and processes it
Step 3	Receiving system of content message sends acknowledgement message
Step 4	Sending system of content message receives and processes acknowledgement message



4.2.2 PROCESS PRE-CONDITIONS

This section contains a number of tables taken from HL7 v2.5 ACK. Each table so copied will identify the HL7 table name.

Content Message Sender: none specifically related to this transaction.

Content Message Receiver: receipt of the content message to a degree that permits, at a minimum, parsing the content message to determine its relevant HL7 segments, fields, components, and subcomponents.

4.2.2.1 PROCESS TRIGGERS

Content Message Sender: sending of a content message.
Content Message Receiver: receipt of a content message.

4.2.3 PROCESS POST-CONDITIONS

Content Message Sender – now the Acknowledgement Message Receiver: receipt of the acknowledgement message.

Content Message Receiver – now the Acknowledgement Message Sender: none specifically related to this transaction.

4.2.3.1 PROCESS OUTPUTS

Content Message Sender – now the Acknowledgment Message Receiver:

If a successful acknowledgement is received, no further actions are required.

If an error acknowledgement is received, corrective actions on the originally sent content message.

Content Message Receiver – now the Acknowledgment Message Sender:

If a successful acknowledgement is sent, process the content message.

If an error acknowledgement is sent, results of corrective actions, if any, on the originally sent content message.

4.2.4 DATA STRUCTURE

Only one data flow occurs in this Acknowledgement Component.

ACKNOWLEDGEMENT

The Acknowledgements Component uses one HL7 message, General Acknowledgement, ACK, consisting of three segments: MSH, MSA and ERR. Only Original Mode acknowledgements are used.

ACK^varies^ACK_varies	General Acknowledgment
MSH	Message Header
[{ SFT }]	Software segment
MSA	Message Acknowledgment
[{ ERR }]	Error

HL7 Segment - MSH - Message Header

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	1	ST	R			00001	Field Separator
2	4	ST	R			00002	Encoding Characters
3	227	HD	O			00003	Sending Application
4	227	HD	O			00004	Sending Facility
5	227	HD	O			00005	Receiving Application
6	227	HD	O			00006	Receiving Facility
7	26	TS	R			00007	Date/Time Of Message
8	40	ST	O			00008	Security
9	15	MSG	R			00009	Message Type
10	20	ST	R			00010	Message Control ID
11	3	PT	R			00011	Processing ID
12	60	VID	R			00012	Version ID
13	15	NM	O			00013	Sequence Number

Identifier	MSH-1

Description	Field Separator	
Source – where created	Sending Software Application	
Rationale – where used	Indicates the character that will separate fields in all segments contained in Acknowledgement Component messages	
Data Type	ST	String
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	HL7	Only HL7 default value shall be used

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Identifier	MSH-2	
Description	Encoding Characters	
Source – where created	Sending Software Application	
Rationale – where used	Contains four characters that indicate, in order: Character that separates components of fields Character that indicates repetitions of data Character that identifies a following escape character Character that separates subcomponents of components	
Data Type	ST	String
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	HL7	Only HL7 default values shall be used

Identifier	MSH-3	
Description	Identification of Content Message Receiving / Acknowledgement Message Sending Application	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Contains information that identifies the software system that is sending the acknowledgment message	
Data Type	HD	Hierarchic Designator
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Free text

Identifier	MSH-4	
Description	Identification of Content Message Receiving / Acknowledgement Message Sending Facility	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Contains information that identifies the facility or organization that is sending the acknowledgement message	
Data Type	HD	Hierarchic Designator
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Free text

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Identifier	MSH-5	
Description	Identification of Content Message Sending / Acknowledgment Message Receiving Application	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application as obtained from content message being acknowledged	
Rationale – where used	Contains information that identifies the software system that is receiving the acknowledgment message	
Data Type	HD	Hierarchic Designator
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Free text

Identifier	MSH-6	
Description	Identification of Content Message Sending / Acknowledgment Message Receiving Facility	
Source – where created	Content Message Sending / Acknowledgment Message Receiving Software Application as obtained from content message being acknowledged	
Rationale – where used	Contains information that identifies the facility or organization that is receiving the acknowledgement message	
Data Type	HD	Hierarchic Designator
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Free text

Identifier	MSH-7	
Description	Date/Time of Acknowledgement Message	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving system uses as needed	
Data Type	TS	Time Stamp
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Formatted text

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Identifier	MSH-9	
Description	Message Type	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving system uses as needed	
Data Type	MSG	Message Type
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	fixed value	Only the value ACK may be used for Acknowledgement Messages

Identifier	MSH-10	
Description	Message Control ID of the Acknowledgement Message	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Receiving system uses as needed	
Data Type	ST	String
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Formatted text

Identifier	MSH-12	
Description	Version ID	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Receiving system uses as needed	
Data Type	VID	Version Identifier
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	fixed value	Only the value 2.5 may be used for Acknowledgement Messages

Identifier	MSH-13	
Description	Sequence Number	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Receiving system uses as needed	
Data Type	NM	Numeric
Conformance	O	Value may be included at sender's discretion
Repetitions	N	Does not repeat
Code Domain	n/a	Incrementing value used as Acknowledgement Message sequence number

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HL7 Segment - MSA - Message Acknowledgment

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	2	ID	R		0008	00018	Acknowledgment Code
2	20	ST	R			00010	Message Control ID
3	80	ST	B			00020	Text Message
4	15	NM	O			00021	Expected Sequence Number

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Identifier	MSA-1	
Description	Acknowledgement Code	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Indicates status of received content message being acknowledged	
Data Type	ID	Coded value from predetermined list
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	Table 0008	HL7 Acknowledgement Codes

HL7 Table 0008 - Acknowledgment Code

Value	Description
AA	Original mode: Application Accept - Enhanced mode: Application acknowledgement: Accept
AE	Original mode: Application Error - Enhanced mode: Application acknowledgment: Error
AR	Original mode: Application Reject - Enhanced mode: Application acknowledgment: Reject

Identifier	MSA-2	
Description	Message Control ID of the message being acknowledged	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application from the content message being acknowledged	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving Software Application for the message being acknowledged uses as needed	
Data Type	ST	String
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	n/a	Formatted text

Identifier	MSA-4	
Description	Expected sequence number	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application for the content message being acknowledged	
Rationale – where used	Content Message Receiving / Acknowledgement Message Sending Software Application sends sequence number of content message it expected but did not receive in the content message being acknowledged. Content Message Sending / Acknowledgement Message Receiving software application uses as needed.	
Data Type	NM	Numeric
Conformance	O	Value may be included at sender's discretion
Repetitions	N	Does not repeat
Code Domain	n/a	Formatted text

HL7 Segment - ERR –Error

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	493	ELD	B	Y		00024	Error Code and Location
2	18	ERL	O	Y		01812	Error Location
3	705	CWE	R		0357	01813	HL7 Error Code
4	2	ID	R		0516	01814	Severity
5	705	CWE	O		0533	01815	Application Error Code
6	80	ST	O	Y/10		01816	Application Error Parameter
7	2048	TX	O			01817	Diagnostic Information
8	250	TX	O			01818	User Message
9	20	IS	O	Y	0517	01819	Inform Person Indicator
10	705	CWE	O		0518	01820	Override Type
11	705	CWE	O	Y	0519	01821	Override Reason Code
12	652	XTN	O	Y		01822	Help Desk Contact Point

Identifier	ERR-2	
Description	Error Location	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	ERL	Error Location
Conformance	O	Value may be included at sender's discretion
Repetitions	Y	May contain an unlimited number of repetitions
Code Domain	n/a	Formatted text

Identifier	ERR-3	
Description	Error Code	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	CWE	Coded With Exceptions
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	Table 0357	Message Error Condition Codes

280 HL7 Table 0357 - Message Error Condition Codes

Value	Description	Comment
0	Message accepted	Success. Optional, as the AA conveys success. Used for systems that must always return a status code.
100	Segment sequence error	Error: The message segments were not in the proper order, or required segments are missing.
101	Required field missing	Error: A required field is missing from a segment
102	Data type error	Error: The field contained data of the wrong data type, e.g. an NM field contained "FOO".
103	Table value not found	Error: A field of data type ID or IS was compared against the corresponding table, and no match was found.
200	Unsupported message type	Rejection: The Message Type is not supported.
201	Unsupported event code	Rejection: The Event Code is not supported.
202	Unsupported processing id	Rejection: The Processing ID is not supported.
203	Unsupported version id	Rejection: The Version ID is not supported.
204	Unknown key identifier	Rejection: The ID of the patient, order, etc., was not found. Used for transactions *other than* additions, e.g. transfer of a non-existent patient.

Value	Description	Comment
205	Duplicate key identifier	Rejection: The ID of the patient, order, etc., already exists. Used in response to addition transactions (Admit, New Order, etc.).

Identifier	ERR-4	
Description	Error Severity	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	ID	Coded value from predetermined list
Conformance	R	Value must always be supplied (no nulls)
Repetitions	N	Does not repeat
Code Domain	Table 0516	Error Severity

HL7 Table 0516 – Error Severity

Value	Description	Comment
W	Warning	Transaction successful, but there may issues
I	Information	Transaction was successful but includes information e.g., inform patient
E	Error	Transaction was unsuccessful

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Identifier	ERR-7	
Description	Diagnostic Information	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	TX	Text Data
Conformance	O	Value may be included at sender's discretion
Repetitions	N	Does not repeat
Code Domain	ASCII	Free text

Identifier	ERR-8
Description	User Message

Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Human user of Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	TX	Text Data
Conformance	O	Value may be included at sender's discretion
Repetitions	N	Does not repeat
Code Domain	ASCII	Free text

Identifier	ERR-9	
Description	Inform Person Indicator	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Human user of Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	IS	Coded value from open-ended list
Conformance	O	Value may be included at sender's discretion
Repetitions	Y	May repeat sufficient times to include all appropriate code values
Code Domain	Table 0517	Inform Person Code

User-Defined Table 0517 – Inform Person Code

Value	Description
PAT	Inform patient
NPAT	Do NOT inform patient
USR	Inform User
HD	Inform help desk

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Identifier	ERR-10	
Description	Override Type	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Human user of Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	CWE	Coded With Exceptions
Conformance	O	Value may be included at sender's discretion
Repetitions	N	Does not repeat
Code Domain	Table 0518	Override Type

User-Defined Table 0518 – Override Type

Value	Description	Comment
EXTN	Extension Override	Identifies an override where a service is being performed for longer than the ordered period of time.
INLV	Interval Override	Identifies an override where a repetition of service is being performed sooner than the ordered frequency.
EQV	Equivalence Override	Identifies an override where a service is being performed against an order that the system does not recognize as equivalent to the ordered service.

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Identifier	ERR-11	
Description	Override Reason Code	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Human user of Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	CWE	Coded With Exceptions
Conformance	O	Value may be included at sender's discretion
Repetitions	Y	May repeat sufficient times to include all necessary code values
Code Domain	Table 0519	Override Reasons Note: HL7 version 2.5 has no suggested values for User-Defined Table 0519. As a consequence, Table 0519 is not shown for this Acknowledgement Component.

Identifier	ERR-12	
Description	Help Desk Contact Point	
Source – where created	Content Message Receiving / Acknowledgement Message Sending Software Application	
Rationale – where used	Human user of Content Message Sending / Acknowledgement Message Receiving Software Application uses as needed	
Data Type	XTN	Extended Telecommunications Number
Conformance	O	Value may be included at sender's discretion
Repetitions	Y	May repeat to include all applicable contact points
Code Domain	n/a	Free text

300 #### 4.2.4.1 MINIMUM DATA SET

The only data required by the Acknowledgements Component are those contained in the content message being responded to.

5.0 CONSTRAINTS FOR REUSE

305 There are no constraints regarding use or reuse of this Acknowledgements Component. It may be used wherever Health Level Seven (HL7) Original Mode acknowledgements are required.

6.0 APPENDIX

6.1 GLOSSARY

The HITSP glossary that spans all the interoperability specifications, which can be found in the following folder on the HITSP site:
http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx?RootFolder=http%3a%2f%2fpublicaa%2eansi%2eorg%2fsites%2fapdl%2fDocuments%2fStandards%20Activities%2fHealthcare%20Informatics%20Technology%20Standards%20Panel