

Technical HL7 Conformance Profile

ENTERPRISE IMAGING

OUTBOUND ACK

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Message Profile

About this Conformance

This profile describes the reply message EI sends when receiving a HL7 inbound message.

Conformance parameters

Message Profile

- HL7 Version: 2.3,2.3.1,2.4,2.5
- Profile Type: HL7

Encoding Method

ER7

Interaction 1

Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: AL
- Acknowledgement Mode: Deferred

Static Definition

- Event Description: ACK/ALL - General ACK Message
- Message Type: ACK
- Trigger Event: ALL

Message structure

MSH MSA [ERR]

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Field Separator	R	1..1	ST		
2	Encoding Characters	R	1..1	ST		
7	Date/Time Of Message	R	1..1	TS		
7.1	time	R	1..1	DTM		e.g. 20040328134602+0600
9	Message Type	R	1..1	MSG		
9.1	message code	R	1..1	ID	HL70076	e.g. ACK
9.2	trigger event	R	1..1	ID	HL70003	
9.3	message structure	R	1..1	ID	HL70354	
10	Message Control ID	R	1..1	ST		
12	Version ID	R	1..1	VID		
12.1	version ID	R	1..1	ID	HL70104	

1. Field Separator

2. Encoding Characters

7. Date/Time Of Message

7.1. time

The date time on which the application message is sent out.
YYYYMMDD[HHMM[SS]][+-ZZZZ]

9. Message Type

the acknowledgement type based on the original message type

9.1. message code

Fixed value == ACK

9.2. trigger event

Depending on original message type

9.3. message structure

Fixed value = ACK

10. Message Control ID

12. Version ID

HL7 version

12.1. version ID

Default: v2.4. supported versions (pipeline property, HL7 version): 2.3.1 - 2.4 - 2.5

MSA - Message Acknowledgment

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Acknowledgment Code	R	1..1	ID	HL70008	
2	Message Control ID	R	1..1	ST		

1. Acknowledgment Code

Supported values: AA, AR, AE

2. Message Control ID

The message control id of the original message

ERR - Error

- Usage: Optional

- Cardinality:0..1

- Implementation note: When we have a processing problem for the message in application acknowledgement mode, this segment will be added.

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Error Code and Location	O	0..1	ELD		
1.1	segment ID	O	0..	ST		
1.2	segment sequence	O	0..	NM		
1.3	field position	O	0..	NM		
1.4	code identifying error	O	0..	CE		
1.4.1	identifier	O	0..	ST		
1.4.5	alternate text	O	0..	ST		
3	HL7 Error Code	O	0..1	CWE	HL70357	
3.1	identifier	O	0..	ST		
3.2	text	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
4	Severity	R	1..1	ID	HL70516	
5	Application Error Code	R	1..1	CWE	HL70533	
5.1	identifier	R	1..1	ST		
5.2	text	R	1..1	ST		

1. Error Code and Location

Indicates the position in the message which caused the processing problem.

1.4.1. identifier

Error code

1.4.5. alternate text

Description of the error in the processing application.

3. HL7 Error Code

Applicable for HL7 version 2.5.

3.1. identifier

Error code

3.2. text

Description of error type

4. Severity**5. Application Error Code**

The code and description of the error in the processing application. Applicable for HL7 version 2.5.

5.1. identifier

Internal error code

5.2. text

Description of the error in the processing application.