

Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ACK

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Message Profile

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		
3	Sending Application	O	0..1	HD	HL70361	
3.1	namespace ID	O	0..	IS	HL70300	
4	Sending Facility	O	0..1	HD	HL70362	
4.1	namespace ID	O	0..	IS	HL70300	
5	Receiving Application	O	0..1	HD	HL70361	
5.1	namespace ID	O	0..	IS	HL70300	
6	Receiving Facility	O	0..1	HD	HL70362	
6.1	namespace ID	O	0..	IS	HL70300	
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		
11	Processing ID	R	1..1	PT		
11.1	processing ID	R	1..1	ID	HL70103	
12	Version ID	R	1..1	VID		
12.1	version ID	R	1..1	ID	HL70104	

1. Field Separator**2. Encoding Characters****3. Sending Application**

Receiving application for the original HL7 message

4. Sending Facility

Receiving facility for the original HL7 message

5. Receiving Application

Sending application for the original HL7 message

6. Receiving Facility

Sending facility for the original HL7 message

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

Depending on original message type

10. Message Control ID**11. Processing ID****11.1. processing ID**

The processing id of the original message

12. Version ID

Supported versions: 2.3 - 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		
2	Error Location	O	0..*	ERL		
2.1	segment ID	O	0..	ST		
2.2	segment sequence	O	0..	NM		
2.3	field position	O	0..	NM		
2.4	field repetition	O	0..	NM		
2.5	component number	O	0..	NM		
2.6	sub-component number	O	0..	NM		
3	HL7 Error Code	O	0..*	CWE	HL70357	
3.1	identifier	O	0..	ST		
3.2	text	O	0..	ST		
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.

1.4.5. alternate text

Description of the error in the processing application.

2. Error Location

Indicates the position in the message which caused the processing problem. Applicable for HL7 version 2.5.

3. HL7 Error Code

Applicable for HL7 version 2.5.

4. Severity

Applicable for HL7 version 2.5.

5. Application Error Code

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