

# 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
- Topics: confsig-Agfa Healthcare-2.3,2.3.1,2.4,2.5-profile-accNE\_accAL-Deferred

#### 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
- Topics: confsig-Agfa Healthcare-2.3,2.3.1,2.4,2.5-static-ACK-ALL-null--V1.0-DRAFT-Sender

### 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   |       |          |

| Seq.  | Name                   | Opt. | Card. | Type | Table   | Contents |
|-------|------------------------|------|-------|------|---------|----------|
| 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   |         |          |
| 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.