

# HL7 Conformance Profile

# **MDM T01Inbound**

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## Conformance parameters

### Message Profile

- HL7 Version: 2.5
- Profile Type: HL7
- Topics: confsig-Agfa-2.5-profile-accNE\_accAL-Deferred

### Encoding Method

ER7

## Interaction 1

### Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: NE
- Acknowledgement Mode: Immediate

### Static Definition

- Event Description: MDM/ACK - Original document notification
- Message Type: MDM
- Trigger Event: T01
- Message Structure: MDM\_T01
- Topics: confsig-Agfa-2.5-static-MDM-T01-null-MDM\_T01-1.0--Receiver

### Message structure

MSH [EVN] PID PV1 TXA

### MSH - Message Header

- Usage: Required
- Cardinality:1..1

| Seq.   | Name                            | Type   | Table   | Len. | Opt. | Card. | Contents      |
|--------|---------------------------------|--------|---------|------|------|-------|---------------|
| 1      | Field Separator                 | ST     |         | 1    | R    | 1..1  | e.g.          |
| 2      | Encoding Characters             | ST     |         | 4    | R    | 1..1  | e.g. ^~\&     |
| 3      | Sending Application             | HD     | HL70361 | 227  | R    | 1..1  |               |
| 3.1    | namespace ID                    | IS     | HL70363 | 15   | R    | ..    | e.g. ALLGEIER |
| 3.2    | universal ID                    | ST     |         | 3    | O    | ..    |               |
| 3.3    | universal ID type               | ID     | HL70301 | 3    | O    | ..    |               |
| 7      | Date/Time Of Message            | TS     |         | 26   | R    | 1..1  |               |
| 7.1    | Date/Time                       | NM     |         | 6    | R    | ..    | e.g. 20060328 |
| 8      | Security                        | ST     |         | 40   | R    | 1..1  |               |
| 9      | Message Type                    | CM_MSG | HL70076 | 15   | R    | 1..1  |               |
| 9.1    | message type                    | ID     | HL70076 | 3    | O    | ..    |               |
| 9.2    | trigger event                   | ID     | HL70003 | 3    | O    | ..    |               |
| 9.3    | message structure               | ID     | HL70354 | 3    | O    | ..    |               |
| 10     | Message Control ID              | ST     |         | 20   | R    | 1..1  |               |
| 11     | Processing ID                   | PT     |         | 3    | R    | 1..1  |               |
| 11.1   | processing ID                   | ID     | HL70103 | 3    | O    | ..    |               |
| 11.2   | processing mode                 | ID     | HL70207 | 3    | O    | ..    |               |
| 12     | Version ID                      | VID    | HL70104 | 973  | R    | 1..1  |               |
| 12.1   | version ID                      | ID     | HL70104 | 3    | R    | ..    | e.g. 2.4      |
| 12.2   | internationalization code       | CE     | HL70399 | 20   | O    | ..    |               |
| 12.2.1 | identifier                      | ST     |         |      | O    | ..    |               |
| 12.2.2 | text                            | ST     |         | 3    | O    | ..    |               |
| 12.2.3 | name of coding system           | IS     | HL70396 | 3    | O    | ..    |               |
| 12.2.4 | alternate identifier            | ST     |         | 3    | O    | ..    |               |
| 12.2.5 | alternate text                  | ST     |         | 3    | O    | ..    |               |
| 12.2.6 | name of alternate coding system | IS     | HL70396 | 3    | O    | ..    |               |

| Seq.   | Name                            | Type | Table   | Len. | Opt. | Card. | Contents |
|--------|---------------------------------|------|---------|------|------|-------|----------|
| 12.3   | international version ID        | CE   |         | 20   | O    | ..    |          |
| 12.3.1 | identifier                      | ST   |         |      | O    | ..    |          |
| 12.3.2 | text                            | ST   |         | 3    | O    | ..    |          |
| 12.3.3 | name of coding system           | IS   | HL70396 | 3    | O    | ..    |          |
| 12.3.4 | alternate identifier            | ST   |         | 3    | O    | ..    |          |
| 12.3.5 | alternate text                  | ST   |         | 3    | O    | ..    |          |
| 12.3.6 | name of alternate coding system | IS   | HL70396 | 3    | O    | ..    |          |

## 1. Field Separator

This field contains the separator between the segment ID and the first real field, MSH-2- encoding characters. As such it serves as the separator and defines the character to be used as a separator for the rest of the message. Recommended value and used by Agfa is |, (ASCII 124).

## 2. Encoding Characters

This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. Recommended values and used by Agfa Healthcare are ^~\&, (ASCII 94, 126, 92, and 38).

## 3. Sending Application

This field uniquely identifies the sending application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for Agfa.

## 7. Date/Time Of Message

This field contains the date/time that the sending system created the message. If the time zone is specified, it is expected to be the local time zone !

## 9. Message Type

Should be MDM^T01^MDM^T01 for an original document notification.

## 9.3. message structure

Only used when input is hl7 v2.xml

## 10. Message Control ID

This field contains a number or other identifier that uniquely identifies the message. The receiving system echoes this ID back to the sending system in the Message acknowledgment segment (MSA).

## 11. Processing ID

No difference in processing by HL7SERVER5 if Production or Test

## 12.1. version ID

Versions supported by HL7SERVER5 are 2.2, 2.3, 2.3.1, 2.4

## EVN - Event Type

- Usage: Optional
- Cardinality: 0..1

| Seq. | Name           | Type | Table | Len. | Opt. | Card. | Contents      |
|------|----------------|------|-------|------|------|-------|---------------|
| 6    | Event Occurred | TS   |       | 26   | O    | 0..1  |               |
| 6.1  | Date/Time      | NM   |       | 6    | O    | ..    | e.g. 20060329 |

## 6.1. Date/Time

This field contains the date/time that the event actually occurred. For example, on a cancellation event, this field should contain the date/time that the event being canceled occurred.

## PID - Patient identification

- Usage: Required
- Cardinality:1..1

| Seq.  | Name                                             | Type | Table   | Len. | Opt. | Card. | Contents        |
|-------|--------------------------------------------------|------|---------|------|------|-------|-----------------|
| 3     | Patient Identifier List                          | CX   |         | 1913 | R    | 1..*  |                 |
| 3.1   | ID                                               | ST   |         | 10   | R    | ..    | e.g. P_code     |
| 3.3   | code identifying the check digit scheme employed | ID   | HL70061 | 3    | O    | ..    |                 |
| 3.4   | assigning authority                              | HD   |         | 11   | O    | ..    |                 |
| 3.4.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |                 |
| 3.4.2 | universal ID                                     | ST   |         | 3    | O    | ..    |                 |
| 3.4.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |                 |
| 3.5   | identifier type code (ID)                        | ID   | HL70203 | 3    | O    | ..    |                 |
| 3.6   | assigning facility                               | HD   |         | 11   | O    | ..    |                 |
| 3.6.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |                 |
| 3.6.2 | universal ID                                     | ST   |         | 3    | O    | ..    |                 |
| 3.6.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |                 |
| 3.7   | effective date (DT)                              | DT   |         | 3    | O    | ..    |                 |
| 3.8   | expiration date                                  | DT   |         | 3    | O    | ..    |                 |
| 5     | Patient Name                                     | XPN  |         | 1103 | O    | 0..*  |                 |
| 5.1   | family name                                      | FN   |         | 174  | O    | ..    |                 |
| 5.1.1 | surname                                          | ST   |         | 30   | O    | ..    | e.g. Lastname   |
| 5.2   | given name                                       | ST   |         | 30   | O    | ..    | e.g. First name |
| 7     | Date/Time Of Birth                               | TS   |         | 26   | O    | 0..1  |                 |
| 7.1   | Date/Time                                        | NM   |         | 8    | R    | ..    | e.g. 28121913   |

### 7.1. Date/Time

YYYYMMDD

## PV1 - Patient visit

- Usage: Required
- Cardinality:1..1

| Seq.  | Name                | Type | Table   | Len. | Opt. | Card. | Contents         |
|-------|---------------------|------|---------|------|------|-------|------------------|
| 2     | Patient Class       | IS   | HL70004 | 1    | O    | 0..1  |                  |
| 7     | Attending Doctor    | XCN  | HL70010 | 3002 | R    | 1..*  |                  |
| 7.1   | ID number (ST)      | ST   |         | 15   | O    | ..    | e.g. PerfDocCode |
| 7.9   | assigning authority | HD   |         | 222  | R    | ..    |                  |
| 7.9.1 | namespace ID        | IS   | HL70363 | 15   | O    | ..    | e.g. PerfDepCode |
| 8     | Referring Doctor    | XCN  | HL70010 | 3002 | R    | 1..*  |                  |
| 8.1   | ID number (ST)      | ST   |         | 15   | O    | ..    | e.g. ReqDocCode  |
| 8.9   | assigning authority | HD   |         | 222  | R    | ..    |                  |
| 8.9.1 | namespace ID        | IS   | HL70363 | 15   | O    | ..    | e.g. ReqDepCode  |
| 19    | Visit Number        | CX   |         | 1913 | R    | 1..1  |                  |
| 19.1  | ID                  | ST   |         | 20   | C    | ..    | e.g. 0123456789  |

## 2. Patient Class

Set to 'N' if no admission number is provided in PV1.19.1.

### 7.1. ID number (ST)

performing physician

### 7.9.1. namespace ID

Performing department

### 8.1. ID number (ST)

Requesting physician

### 8.9.1. namespace ID

Requesting department

## 19.1. ID

This field contains the admission number if PV1.2 is not "N" (not applicable)

## **TXA - Transcription Document Header**

- Usage: Required

- Cardinality:1..1

| Seq. | Name                         | Type | Table   | Len. | Opt. | Card. | Contents        |
|------|------------------------------|------|---------|------|------|-------|-----------------|
| 2    | Document Type                | IS   | HL70270 | 30   | R    | 1..1  |                 |
| 4    | Activity Date/Time           | TS   |         | 26   | O    | 0..1  |                 |
| 4.1  | Date/Time                    | NM   |         | 8    | O    | ..    | e.g. 20060510   |
| 6    | Origination Date/Time        | TS   |         | 26   | O    | 0..1  |                 |
| 6.1  | Date/Time                    | NM   |         | 8    | O    | ..    | e.g. 20060516   |
| 9    | Originator Code/Name         | XCN  |         | 3002 | R    | 1..1  |                 |
| 9.1  | ID number (ST)               | ST   |         | 15   | R    | ..    | e.g. AuthorCode |
| 12   | Unique Document Number       | EI   |         | 427  | R    | 1..1  |                 |
| 12.1 | entity identifier            | ST   |         | 80   | R    | ..    | e.g. doc_id     |
| 16   | Unique Document File Name    | ST   |         | 30   | R    | 1..1  |                 |
| 17   | Document Completion Status   | ID   | HL70271 | 2    | R    | 1..1  | e.g. LA         |
| 19   | Document Availability Status | ID   | HL70273 | 2    | O    | 0..1  | e.g. AV         |

## 2. Document Type

The user definable HL7 table 0270 is used.

### 4.1. Date/Time

Activity date: date the procedure was performed, not the date of creation of the report.

### 6.1. Date/Time

Date on which the document was created.

### 9.1. ID number (ST)

The document author

### 12.1. entity identifier

This field contains the document ID as used in the sending system

### 16. Unique Document File Name

Used when a file name exists. As this field is mandatory in HL7, the document ID can be used when no specific file name is present

### 17. Document Completion Status

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Status of the document. Only status LA can be used in regards to HL7.

**19. Document Availability Status**

Two statuses are to be used: AV, Available for patient use, indicating the document can be consulted OB, Obsolete, indicating the document is set to invalid.