

# HL7 Conformance Profile

# **MDM T01Inbound**

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**Publication date:**

January, 2014

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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.