



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ADT_A40

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Message Profile

About this Conformance

Remarks:

Segments present in the message structure, but marked as -not supported- are allowed to be present in the message, but are not processed. The same counts for fields, components, subcomponents marked as not supported.

Conformance parameters

Message Profile

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

- Message Type: ADT
- Trigger Event: A40
- Message Structure: ADT_A39
- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-static-ADT-A40-null-ADT_A39-V1.0-DRAFT-Receiver

Message structure

MSH EVN { PID MRG }

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	HL70363	
4	Sending Facility	O	0..1	HD	HL70362	
4.1	namespace ID	O	0..	IS	HL70363	
5	Receiving Application	O	0..1	HD	HL70361	
5.1	namespace ID	O	0..	IS	HL70363	
6	Receiving Facility	O	0..1	HD	HL70362	
6.1	namespace ID	O	0..	IS	HL70363	
7	Date/Time Of Message	O	0..1	TS		
9	Message Type	R	1..1	CM_MSG	HL70076	
9.1	message type	R	1..1	ID	HL70076	e.g. ADT
9.2	trigger event	R	1..1	ID	HL70003	e.g. A40
9.3	message structure	O	0..	ID	HL70354	e.g. ADT_A39
10	Message Control ID	R	1..1	ST		
11	Processing ID	O	0..1	PT		
11.1	processing ID	O	0..	ID	HL70103	
12	Version ID	R	1..1	VID	HL70104	
12.1	version ID	R	1..1	ID	HL70104	e.g. 2.4
18	Character Set	O	0..1	ID	HL70211	

1. Field Separator

2. Encoding Characters

3. Sending Application

4. Sending Facility

5. Receiving Application

6. Receiving Facility

7. Date/Time Of Message

9. Message Type

9.1. message type

ADT

9.2. trigger event

A40

9.3. message structure

ADT_A39

10. Message Control ID

11. Processing ID

12. Version ID

Highest supported version 2.5

18. Character Set

EVN - Event Type

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
2	Recorded Date/Time	R	1..1	TS		
2.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600

2. Recorded Date/Time

2.1. Date/Time

YYYYMMDD[HHHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7



Segment group: PATIENT

- Usage: Required
- Cardinality:1..*

PID - Patient identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Patient Identifier List	R	1..*	CX		
3.1	ID	R	1..1	ST		
3.4	assigning authority	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70363	
3.5	identifier type code (ID)	O	0..	ID	HL70203	
3.6	assigning facility	O	0..	HD		
3.6.1	namespace ID	O	0..	IS	HL70363	
3.7	effective date (DT)	O	0..	DT		
3.8	expiration date	O	0..	DT		
5	Patient Name	R	1..*	XPN		
5.1	family name	R	1..1	FN		
5.1.1	surname	R	1..1	ST		
5.1.2	own surname prefix	O	0..	ST		
5.1.3	own surname	O	0..	ST		
5.2	given name	O	0..	ST		
5.3	second and further given names or initials thereof	O	0..	ST		
5.4	suffix (e.g., JR or III)	O	0..	ST		
5.7	name type code	O	0..	ID	HL70200	
5.8	Name Representation code	O	0..	ID	HL70465	
7	Date/Time Of Birth	O	0..1	TS		
7.1	Date/Time	O	0..	NM		
8	Administrative Sex	O	0..1	IS	HL70001	
11	Patient Address	O	0..*	XAD		
11.1	street address (SAD)	O	0..	SAD		
11.1.1	street or mailing address	O	0..	ST		
11.1.2	street name	O	0..	ST		
11.1.3	dwelling number	O	0..	ST		
11.2	other designation	O	0..	ST		
11.3	city	O	0..	ST		
11.4	state or province	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
11.5	zip or postal code	O	0..	ST		
11.6	country	O	0..	ID	HL70399	
11.7	address type	O	0..	ID	HL70190	
11.8	other geographic designation	O	0..	ST		
11.9	county/parish code	O	0..	IS	HL70289	
13	Phone Number - Home	O	0..1	XTN		
13.1	Telephone Number	O	0..	TN		
13.2	telecommunication use code	R	1..1	ID	HL70201	
13.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
13.4	Email address	O	0..	ST		
14	Phone Number - Business	O	0..1	XTN		
14.1	Telephone Number	O	0..	TN		
14.2	telecommunication use code	R	1..1	ID	HL70201	
14.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
14.4	Email address	O	0..	ST		
19	SSN Number - Patient	O	0..1	ST		
23	Birth Place	O	0..1	ST		
29	Patient Death Date and Time	C	0..1	TS		
29.1	Date/Time	O	0..	NM		
30	Patient Death Indicator	O	0..1	ID	HL70136	

3. Patient Identifier List

3.1. ID

Identification number or code for the patient.

3.4.1. namespace ID

Identifier of the Assigning Authority that issued the patient id.

If not available the default patient assigning authority for the system will be used.

3.5. identifier type code (ID)

Supported values:

- PI = Patient Primary Identifier
- SS = Social Security number

If empty PI will be used by default

5. Patient Name

5.1. family name

if Surname (PID.5.1.1) is empty, Own Surname Prefix (PID.5.1.2) and Own Surname (PID.5.1.3) are concatenated as last name.

**5.1.1. surname**

Patient's lastname

5.2. given name

Patient's firstname

5.4. suffix (e.g., JR or III)

Patient's suffix

5.7. name type code

M = maiden name, only support storing last name for maiden name.

5.8. Name Representation code

Supported are :

- A = Alphabetic
- I = Ideographic
- P = Phonetic

7. Date/Time Of Birth**7.1. Date/Time**

YYYYMMDD[HHMM[SS]]

8. Administrative Sex**11. Patient Address****11.1. street address (SAD)**

This component specifies the street or mailing address of a person or institution.

11.1.1. street or mailing address

This is used when SAD-2 (Street Name) is empty

11.1.2. street name

Name of the street.

11.1.3. dwelling number

House number.

11.3. city

Municipality code of the city.

If field is empty, the city will be listed as 'Unknown' (code UKW).

11.4. state or province

Is always the highest region level, but there can be a lower subdividing region level for a state or province.

**11.5. zip or postal code**

Zip or postal code of the city.

11.6. country

A 3-digit code defining the county.

This is necessary in EI for the address segment to be processed.

It defaults to UKW (Unknown country) when left empty.

11.7. address type

O (office), H (home address) are supported.

L (Legal Address) defaults to office and the rest defaults to H (home address)

13. Phone Number - Home

Segment is used for all home communicationSegment is used for all home communication.

First one is the primary home communication channel.

13.1. Telephone Number

In case of telephone number/fax number/cellular number, the phone number is put in this field

[(999)] 999-9999 [X99999][C any text]

13.2. telecommunication use code

Required. If this is empty the communication cannot be registered.

Supported are:

- Primary Residence Number (PRN)
- Work Number (WPN)
- Other Residence Number (ORN)
- Network (email) Address (NET)

13.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

Supported are:

- Telephone (PH)
- Fax (FX)
- Cellular Phone(CP)
- Internet Address (Internet)

13.4. Email address

In case of Network Email Address, this needs to be filled in.

14. Phone Number - Business

Segment is used for all business communication.

First one is the primary business channel.

14.1. Telephone Number

In case of telephone number/fax number/cellular number, the phone number is put in this field

[(999)] 999-9999 [X99999][C any text]



14.2. telecommunication use code

Required. If this is empty the communication cannot be registered.

Supported are:

- Primary Residence Number (PRN)
- Work Number (WPN)
- Other Residence Number (ORN)
- Network (email) Address (NET)

14.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

Supported are:

- Telephone (PH)
- Fax (FX)
- Cellular Phone (CP)
- Internet Address (Internet)

14.4. Email address

In case of Network Email Address, this needs to be filled in.

19. SSN Number - Patient

23. Birth Place

29. Patient Death Date and Time

YYYYMMDDHHMMSS or ""

Condition Predicate:

If PID.30 has a value, this field also needs a value.

29.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information available in MSH-7

30. Patient Death Indicator

Y or N

MRG - Merge patient information

- Usage: Required

- Cardinality: 1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Prior Patient Identifier List	R	1..*	CX		
1.1	ID	R	1..1	ST		
1.4	assigning authority	O	0..	HD		
1.4.1	namespace ID	O	0..	IS	HL70363	
1.5	identifier type code (ID)	O	0..	ID	HL70203	

1. Prior Patient Identifier List

1.1. ID

Identification number or code of the prior patient id.

1.4.1. namespace ID

Identifier of the Assigning Authority that issued the prior patient id.

If not available the default patient assigning authority for the system will be used.

1.5. identifier type code (ID)

Supported values:

- PI = Patient Primary Identifier
- SS = Social Security number

If empty PI will be used by default

Remark : Value entered should match PID 3.5 for succesfull merge

End of segment group PATIENT