Technical HL7 Conformance Profile

ENTERPRISE IMAGING INBOUND ADT_A47

Copyright notice: Copyright 2012 Agfa HealthCare

All rights reserved.

Agfa shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this publication.

Agfa reserves the right to revise this publication and to make changes to its content at any time, without obligation to notify any person or entity of such revisions and changes.

This publication may only be used in connection with the promotion, sales, installation and use of Agfa equipment by Agfa personnel.

Publication date: 3-2018
Publication number: V1.0 (technical)

Corporate address: Agfa HealthCare
SIV Connectivity
Septestraat 27
B-2640 Mortsel
Belgium
+32 3 444 7588
http://www.agfahealthcare.com/
email : connectivity@agfa.com

Message Profile

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
- Message Type: ADT
- Trigger Event: A47
- Message Structure: ADT_A30
- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-static-ADT-A47-null-ADT_A30-V1.0--Receiver

Message structure
MSH EVN PID [PD1] 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	HL70300	
3.2	Universal ID	C	0..	ST		
3.3	Universal ID Type	C	0..	ID	HL70301	
4	Sending Facility	O	0..1	HD	HL70362	
4.1	Namespace ID	O	0..	IS	HL70300	
4.2	Universal ID	C	0..	ST		
4.3	Universal ID Type	C	0..	ID	HL70301	
5	Receiving Application	O	0..1	HD	HL70361	
5.1	Namespace ID	O	0..	IS	HL70300	
5.2	Universal ID	C	0..	ST		
5.3	Universal ID Type	C	0..	ID	HL70301	
6	Receiving Facility	O	0..1	HD	HL70362	
6.1	Namespace ID	O	0..	IS	HL70300	
6.2	Universal ID	C	0..	ST		
6.3	Universal ID Type	C	0..	ID	HL70301	
7	Date/Time Of Message	R	1..1	TS		
7.1	Time	R	1..1	DTM		
7.2	Degree of Precision	B	..	ID	HL70529	
9	Message Type	R	1..1	MSG		

Seq.	Name	Opt.	Card.	Type	Table	Contents
9.1	Message Code	R	1..1	ID	HL70076	e.g. ADT
9.2	Trigger Event	R	1..1	ID	HL70003	e.g. A47
9.3	Message Structure	R	1..1	ID	HL70354	e.g. ADT_A30
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		
12.1	Version ID	R	1..1	ID	HL70104	e.g. 2.4
18	Character Set	O	0..*	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

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	Time	R	1..1	DTM		
6	Event Occurred	B	0..*	TS		

2. Recorded Date/Time

2.1. Time

YYYYMMDD[HHHMM[SS]][+-ZZZ Z]
If timezone information is present it overrules the timezone information if available in MSH-7

6. Event Occurred

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 Number	R	1..1	ST		
3.4	Assigning Authority	O	0..	HD	HL70363	
3.4.1	Namespace ID	O	0..	IS	HL70300	
3.5	Identifier Type Code	O	0..	ID	HL70203	
3.6	Assigning Facility	O	0..	HD		
3.6.1	Namespace ID	O	0..	IS	HL70300	
3.7	Effective Date	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		
5.5	Prefix (e.g., DR)	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	Time	O	0..	DTM		
8	Administrative Sex	O	0..1	IS	HL70001	
11	Patient Address	O	0..*	XAD		
11.1	Street Address	O	0..	SAD		
11.1.1	Street or Mailing Address	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
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..*	XTN		
13.1	Telephone Number	O	0..	ST		
13.2	Telecommunication Use Code	R	1..1	ID	HL70201	
13.3	Telecommunication Equipment Type	R	1..1	ID	HL70202	
13.4	Email Address	O	0..	ST		
14	Phone Number - Business	O	0..*	XTN		
14.1	Telephone Number	O	0..	ST		
14.2	Telecommunication Use Code	R	1..1	ID	HL70201	
14.3	Telecommunication Equipment Type	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	Time	R	1..1	DTM		
30	Patient Death Indicator	O	0..1	ID	HL70136	

3. Patient Identifier List

3.1. ID Number

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 an internal patient assigning authority for the system will be used

3.5. Identifier Type Code

Supported values:
- PI = Patient Primary Identifier,
- SS = Social Security number

* If empty PI will be used by default

5. Patient Name

5.1.1. Surname
Patient's lastname

5.1.2. Own Surname Prefix
For alphabetic name / maiden name, if PID.5.1.1 is empty, PID.5.1.2 and PID.5.1.3 are concatenated as last name.

5.1.3. Own Surname
For alphabetic name / maiden name, if PID.5.1.1 is empty, PID.5.1.2 and PID.5.1.3 are concatenated as last name.

5.2. Given Name
Patient's firstname

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. Time
YYYYMMDD[HHHMM[SS]]

8. Administrative Sex

11. Patient Address

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

11.1.1. Street or Mailing Address
Text value 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
Muncipality 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)

11.9. County/Parish Code
A lower logical subdivision of the State or Province

13. Phone Number - Home
Segment 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

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
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 home business channel

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

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
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 ""

29.1. Time
YYYYMMDD[HHHMM[SS]][+-ZZZ Z]
If timezone information is present it overrules the timezone information if available in MSH-7

30. Patient Death Indicator

PD1 - Patient Additional Demographic

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
4	Patient Primary Care Provider Name & ID No.	O	0..1	XCN		
4.1	ID Number	O	0..	ST		
4.2	Family Name	O	0..	FN		
4.2.1	Surname	O	0..	ST		
4.3	Given Name	O	0..	ST		
4.9	Assigning Authority	O	0..	HD	HL70363	
4.9.1	Namespace ID	O	0..	IS	HL70300	

4. Patient Primary Care Provider Name & ID No.

4.1. ID Number
Primary Care Physician code.

4.2. Family Name
Physician Family Name

4.3. Given Name
Physician given name.

4.9. Assigning Authority
Assigning authority that issued the physicians code.

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 Number	R	1..1	ST		
1.4	Assigning Authority	O	0..	HD	HL70363	
1.4.1	Namespace ID	O	0..	IS	HL70300	

1. Prior Patient Identifier List