
HL7 Conformance Profile

ORU Lab

Copyright notice:

Copyright 2017 AGFA HealthCare
All rights reserved

Agfa, the Agfa rhombus, Point of Knowledge, and See More. Do More, ... (other trademarks) are trademarks of Agfa Gevaert N.V., Belgium or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement.

The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications which must be met by Agfa. All information contained herein is intended for guidance purposes only, and characteristics of the products described in this publication can be changed at any time without notice.

Products may not be available for your local area. Please contact your local sales representative for availability information.

Agfa diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

Publication date:

October, 2017

Corporate address:

AGFA HealthCare
SEPTESTRAAT 27
B-2640 MORTSEL
BELGIUM
+32(3)4448400

Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: HL7
- Topics: confsig-Agfa-2.4-profile-accNE_accAL-Deferred

Encoding Method

ER7

Interaction 1

Dynamic Definition

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

Static Definition

- Event Description: ORU/ACK - Unsolicited transmission of an observation message
- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU_R01
- Topics: confsig-Agfa-2.4-static-ORU-R01-null-ORU_R01-2005.1.4--Sender

Message structure

MSH { [PID [PV1]] { OBR {[NTE]} { [OBX] {[NTE]} } } }

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Field Separator	ST		1	R	1..1	
2	Encoding Characters	ST		4	R	1..1	
3	Sending Application	HD	HL70361	227	O	0..1	
3.1	namespace ID	IS	HL70363	180	O	..	
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS	HL70363	3	O	..	
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS	HL70363	180	O	..	
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS	HL70363	180	O	..	
7	Date/Time Of Message	TS		26	R	1..1	
8	Security	ST		40	O	0..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	7	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	..	
12	Version ID	VID	HL70104	973	R	1..1	
12.1	version ID	ID	HL70104	3	O	..	

3.1. namespace ID

parameter: MSH_SendingApplic, value: 'QDOC'

4.1. namespace ID

parameter:MSH_SendingFacility, value: 'AGFA'

5.1. namespace ID

parameter: MSH_ReceivingApplic, value: 'RAPP'

6.1. namespace ID

parameter: MSH_ReceivingFacility, value: 'RFAC'

9.1. message type

fixed value: 'ORM'

9.2. trigger event

fixed value: '001'

9.3. message structure

fixed value: 'ORM_O01'

Segment group: PATIENT RESULT

- Usage: Required
- Cardinality: 1..*

Segment group: PATIENT

- Usage: Optional
- Cardinality: 0..1

PID - Patient identification

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - PID	SI		20	O	0..1	
2	Patient ID	CX		1913	O	0..1	
2.1	ID	ST		20	O	..	
3	Patient Identifier List	CX		1913	O	0..*	
3.1	ID	ST		3	R	..	
3.4	assigning authority	HD		407	O	..	
3.4.1	namespace ID	IS	HL70363	200	O	..	
3.5	identifier type code (ID)	ID	HL70203	200	O	..	
3.6	assigning facility	HD		407	O	..	
3.6.1	namespace ID	IS	HL70363	200	O	..	
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID	ST		20	O	..	
5	Patient Name	XPN		1103	O	0..*	
5.1	family name	FN		174	O	..	
5.1.1	surname	ST		30	O	..	
5.2	given name	ST		30	O	..	
5.3	second and further given names or initials thereof	ST		30	O	..	
5.4	suffix (e.g., JR or III)	ST		3	O	..	
5.5	prefix (e.g., DR)	ST		3	O	..	
6	Mother's Maiden Name	XPN		1103	O	0..*	
6.1	family name	FN		174	O	..	
6.1.1	surname	ST		30	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
6.2	given name	ST		30	O	..	
6.7	name type code	ID	HL70200	1	O	..	
7	Date/Time Of Birth	TS		26	O	0..1	
7.1	Date/Time	NM		14	R	..	e.g. 20040328134602
8	Administrative Sex	IS	HL70001	3	O	0..1	
11	Patient Address	XAD		631	O	0..*	
11.1	street address (SAD)	SAD		328	O	..	
11.1.1	street or mailing address	ST		264	O	..	
11.3	city	ST		30	O	..	
11.4	state or province	ST		40	O	..	
11.5	zip or postal code	ST		20	O	..	
11.6	country	ID	HL70399	40	O	..	
13	Phone Number - Home	XTN		850	O	0..1	
13.7	Phone number	NM		31	O	..	
19	SSN Number - Patient	ST		50	O	0..1	
29	Patient Death Date and Time	TS		26	O	0..1	
29.1	Date/Time	NM		14	O	..	e.g. 20040328134602

2.1. ID

patients.p_extracode, patients.p_code

3.1. ID

patient_identifiers.pid_id, patients.p_natnumber

3.4.1. namespace ID

patient_id_assigning_auth.pidasauth_nam espaceid

3.5. identifier type code (ID)

patient_id_assigning_auth.pidasauth_nam espaceid

3.6.1. namespace ID

patient_id_assigning_facility.pidasfac_na mespaceid

4.1. ID

patients.p_extracode

5.1.1. surname

patients.p_name

5.2. given name

patients.p_fname

5.3. second and further given names or initials thereof

patients.p_mname

6.1.1. surname

patients.p_name

6.2. given name

patients.p_fname

6.7. name type code

fixed value: 'B'

7.1. Date/Time

YYYYMMDDHHMMSS patients.p_born

8. Administrative Sex

patients.p_sex

11.1.1. street or mailing address

patients.p_street & patients.p_streetnr

11.3. city

patients.p_town

11.4. state or province

patient_items['PROVINCE'].pi_value

11.5. zip or postal code

patients.p_zip

11.6. country

patients.p_country

13.7. Phone number

patients.p_phone ~ patients.p_secondphone

19. SSN Number - Patient

patients.p_siscode

29.1. Date/Time

YYYYMMDDHHMMSS patients.p_datedied

Segment group: VISIT

- Usage: Optional
- Cardinality: 0..1

PV1 - Patient visit

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
19	Visit Number	CX		1913	O	0..1	
19.1	ID	ST		20	O	..	

19.1. ID

used in select service_episodes.se_admission_number

End of segment group VISIT

End of segment group PATIENT

Segment group: ORDER OBSERVATION

- Usage: Required
- Cardinality: 1..*

OBR - Observation Request

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		3	O	0..1	
3	Filler Order Number	EI		427	O	0..1	
3.1	entity identifier	ST		20	O	..	
4	Universal Service Identifier	CE		483	O	0..1	
4.1	identifier	ST		25	O	..	
4.2	text	ST		45	O	..	
4.3	name of coding system	IS	HL70396	20	O	..	
4.4	alternate identifier	ST		10	O	..	
6	Requested Date/Time	TS		26	O	0..1	
6.1	Date/Time	NM		14	O	..	e.g. 20040328134602
7	Observation Date/Time #	TS		26	O	0..1	
7.1	Date/Time	NM		14	O	..	e.g. 20040328134602
13	Relevant Clinical Info.	ST		254	O	0..1	
15	Specimen Source	CM_SPS	HL70070	4436	O	0..1	
15.1	specimen source name or code	CE		513	O	..	
15.1.1	identifier	ST		50	O	..	
16	Ordering Provider	XCN		3002	O	0..*	
16.1	ID number (ST)	ST		20	O	..	
16.2	family name	FN		244	O	..	
16.2.1	surname	ST		100	O	..	
16.3	given name	ST		30	O	..	
24	Diagnostic Serv Sect ID	ID	HL70074	20	O	0..1	
25	Result Status +	ID	HL70123	3	O	0..1	
26	Parent Result +	CM_PRL		755	O	0..1	
26.1	OBX-3 observation identifier of parent result	CE		8	O	..	
26.1.1	identifier	ST		3	O	..	
26.2	OBX-4 sub-ID of parent result	ST		3	O	..	
27	Quantity/Timing	TQ		1545	O	0..1	
27.6	priority	ST		3	O	..	

3.1. entity identifier

la_request.lar_sampleid

4.1. identifier

la_testen.ltt_testkey

4.2. text

la_testen.ltt_testname

4.3. name of coding system

la_testen.ltt_codingsystem

4.4. alternate identifier

la_testen.ltt_testposition

6.1. Date/Time

YYYYMMDDHHMMSS la_request.lar_date

7.1. Date/Time

YYYYMMDDHHMMSS la_request.lar_date

13. Relevant Clinical Info.

la_request.lar_clininfo

15.1.1. identifier

la_request.lar_specimen_source

16.1. ID number (ST)

doctors.d_hospitalkey

16.2.1. surname

doctors.d_lname

16.3. given name

doctors.d_fname

24. Diagnostic Serv Sect ID

la_request.lar_section_id

25. Result Status +

fixed values: 'X', 'F'

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..1	

3. Comment

la_request.lar_clininfo

Segment group: OBSERVATION

- Usage: Required
- Cardinality:1..*

OBX - Observation/Result

- Usage: Optional
- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Value Type	ID	HL70125	3	O	0..1	
3	Observation Identifier	CE		483	O	0..1	
3.1	identifier	ST		25	O	..	
3.2	text	ST		45	O	..	
3.3	name of coding system	IS	HL70396	20	O	..	
3.4	alternate identifier	ST		10	O	..	
4	Observation Sub-Id	ST		30	O	0..1	
5	Observation Value	*		3	O	0..1	
6	Units	CE		483	O	0..1	
6.1	identifier	ST		25	O	..	
7	References Range	ST		25	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
8	Abnormal Flags	IS	HL70078	10	O	0..1	
11	Observation Result Status	ID	HL70085	4	O	0..1	
14	Date/Time of the Observation	TS		26	O	0..1	
14.1	Date/Time	NM		14	O	..	e.g. 20040328134602

2. Value Type

fixed values: 'FT', 'CE', 'DT' la_fastresult.lfr_valuetype

3.1. identifier

la_fastresult.lfr_testposition, la_testen.ltt_testkey

3.2. text

la_fastresult.lfr_testposition, la_testen.ltt_testname

3.3. name of coding system

la_testen.ltt_codingsystem

3.4. alternate identifier

la_testen.ltt_testposition

4. Observation Sub-Id

la_fastresult.lfr_observ_sub_id

6.1. identifier

la_fastresult.lfr_units

7. References Range

la_testen.ltt_refs

8. Abnormal Flags

la_fastresult.lfr_resultflags

11. Observation Result Status

la_fastresult.lfr_statustype

14.1. Date/Time

YYYYMMDDHHMMSS

NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..1	

3. Comment

la_protocol.lpk_prottext

End of segment group OBSERVATION

End of segment group ORDER_OBSERVATION

End of segment group PATIENT_RESULT