
HL7 Conformance Profile

(R)IS OUTBOUND ORM O01 Outbound Enterprise Imaging

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About this Conformance Profile

HL7 ORM interface that sends order information (order updates, status updates, new orders) towards a AGFA Enterprise Imaging system

The interface uses the HL7 MLLP protocol with normal ack mode (enhanced ack is not supported).

The segments, fields, components marked as Required in this profile will always be filled (non empty) by the AGFA IMPAX RIS.

Segments, fields, components marked as Optional can be present in the message if the data is available in the AGFA IMPAX RIS database.

Segments, fields, components marked as Not Supported will not be populated in the message.

For more information on HL7 conformance profiles please consult HL7 ANSI standard chapter 2 and HL7 Implementation/Conformance Technical Committee documents at <http://www.hl7.org/special/committees/ictc/docs.cfm>

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Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: HL7
- Topics: confsig-AGFA HealthCare-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: ORM - Order message - Enterprise Imaging
- Message Type: ORM
- Trigger Event: O01
- Message Structure: ORM_O01
- Topics: confsig-AGFA HealthCare-2.4-static-ORM-O01-null-ORM_O01---Sender

Message structure

MSH [PID PV1 {[AL1]}] [ORC OBR [NTE] ZDS [OBX]]

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		227	R	1..1	
3.1	namespace ID	IS	HL70363	180	R	..	e.g. QDOC
3.2	universal ID	ST		3	O	..	
3.3	universal ID type	ID	HL70301	3	O	..	
4	Sending Facility	HD		227	R	1..1	
4.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
4.2	universal ID	ST		3	O	..	
4.3	universal ID type	ID	HL70301	3	O	..	
5	Receiving Application	HD		227	R	1..1	
5.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
5.2	universal ID	ST		3	O	..	
5.3	universal ID type	ID	HL70301	3	O	..	
6	Receiving Facility	HD		227	R	1..1	
6.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
6.2	universal ID	ST		3	O	..	
6.3	universal ID type	ID	HL70301	3	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		3	R	..	e.g. ORM
9.2	trigger event	ID		3	R	..	e.g. 001
9.3	message structure	ID		7	R	..	e.g. ORM_001
10	Message Control ID	ST		20	R	1..1	e.g. 1555580619430
11	Processing ID	PT		3	R	1..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
11.1	processing ID	ID	HL70103	3	R	..	e.g. P
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	..	
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	..	
18	Character Set	ID	HL70211	16	R	1..1	e.g. 8859/1

3. Sending Application

Based on script parameter MSH_SendingApplic

4. Sending Facility

Based on script parameter MSH_SendingFacility

5. Receiving Application

MSH_ReceivingApplicBased on script parameter MSH_ReceivingApplic

6. Receiving Facility

Based on script parameter MSH_ReceivingFacility

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		4	O	0..1	
3	Patient Identifier List	CX		1913	R	1..*	
3.1	ID	ST		3	R	..	
3.2	Check digit	ST		1	O	..	
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	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
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	..	
5	Patient Name	XPN		1103	R	1..*	
5.1	family name	FN		19	R	..	
5.1.1	surname	ST		3	O	..	
5.1.2	own surname prefix	ST		3	O	..	
5.1.3	own surname	ST		3	O	..	
5.1.4	surname prefix from partner/spouse	ST		3	O	..	
5.1.5	surname from partner/spouse	ST		3	O	..	
5.2	given name	ST		3	O	..	
5.3	second and further given names or initials thereof	ST		3	O	..	
7	Date/Time Of Birth	TS		26	R	1..1	
8	Administrative Sex	IS	HL70001	1	R	1..1	
10	Race	CE	HL70005	483	O	0..2	
10.2	text	ST		3	O	..	
10.3	name of coding system	IS	HL70396	3	O	..	
10.4	alternate identifier	ST		3	O	..	
10.5	alternate text	ST		3	O	..	
10.6	name of alternate coding system	IS	HL70396	3	O	..	
11	Patient Address	XAD		631	O	0..*	
11.1	street address (SAD)	SAD		11	O	..	
11.1.1	street or mailing address	ST		3	O	..	
11.1.2	street name	ST		3	O	..	
11.1.3	dwelling number	ST		3	O	..	
11.2	other designation	ST		3	O	..	
11.3	city	ST		3	O	..	
11.4	state or province	ST		3	O	..	
19	SSN Number - Patient	ST		16	O	0..1	

3. Patient Identifier List

Based on script parameter:

UseMultiplePatientIdentifiers

LocalDomainsToInclude

Only if UseMultiplePatientIdentifier is false: DefaultAssigningAuthority

19. SSN Number - Patient

PATIENT/P_SISCODE

PV1 - Patient visit

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - PV1	SI		4	O	0..1	
2	Patient Class	IS	HL70004	1	R	1..1	e.g. N
3	Assigned Patient Location	PL		1230	O	0..1	
3.1	point of care	IS	HL70302	3	O	..	
3.2	room	IS	HL70303	3	O	..	
3.3	bed	IS	HL70304	3	O	..	
3.4	facility (HD)	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	location status	IS	HL70306	3	O	..	
3.6	person location type	IS	HL70305	3	O	..	
3.7	building	IS	HL70307	3	O	..	
3.8	floor	IS	HL70308	3	O	..	
3.9	Location description	ST		3	O	..	
7	Attending Doctor	XCN	HL70010	3002	O	0..*	
7.1	ID number (ST)	ST		3	O	..	
7.2	family name	FN		19	O	..	
7.2.1	surname	ST		3	O	..	
7.2.2	own surname prefix	ST		3	O	..	
7.2.3	own surname	ST		3	O	..	
7.2.4	surname prefix from partner/spouse	ST		3	O	..	
7.2.5	surname from partner/spouse	ST		3	O	..	
7.3	given name	ST		3	O	..	
7.4	second and further given names or initials thereof	ST		3	O	..	
7.5	suffix (e.g., JR or III)	ST		3	O	..	
7.6	prefix (e.g., DR)	ST		3	O	..	
7.7	degree (e.g., MD)	IS	HL70360	3	O	..	
7.8	source table	IS	HL70297	3	O	..	
7.9	assigning authority	HD		11	O	..	
7.9.1	namespace ID	IS	HL70363	3	O	..	
7.9.2	universal ID	ST		3	O	..	
7.9.3	universal ID type	ID	HL70301	3	O	..	
7.10	name type code	ID	HL70200	3	O	..	
7.11	identifier check digit	ST		3	O	..	
7.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
7.13	identifier type code (IS)	IS		3	O	..	
7.14	assigning facility	HD		11	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
7.14.1	namespace ID	IS	HL70363	3	O	..	
7.14.2	universal ID	ST		3	O	..	
7.14.3	universal ID type	ID	HL70301	3	O	..	
7.15	Name Representation code	ID	HL70465	3	O	..	
7.16	name context	CE	HL70448	20	O	..	
7.16.1	identifier	ST			O	..	
7.16.2	text	ST		3	O	..	
7.16.3	name of coding system	IS	HL70396	3	O	..	
7.16.4	alternate identifier	ST		3	O	..	
7.16.5	alternate text	ST		3	O	..	
7.16.6	name of alternate coding system	IS	HL70396	3	O	..	
7.17	name validity range	DR		7	O	..	
7.17.1	range start date/time	TS		3	O	..	
7.17.2	range end date/time	TS		3	O	..	
7.18	name assembly order	ID	HL70444	3	O	..	
8	Referring Doctor	XCN	HL70010	3002	O	0..*	
8.1	ID number (ST)	ST		3	O	..	
8.2	family name	FN		19	O	..	
8.2.1	surname	ST		3	O	..	
8.2.2	own surname prefix	ST		3	O	..	
8.2.3	own surname	ST		3	O	..	
8.2.4	surname prefix from partner/spouse	ST		3	O	..	
8.2.5	surname from partner/spouse	ST		3	O	..	
8.3	given name	ST		3	O	..	
8.4	second and further given names or initials thereof	ST		3	O	..	
8.5	suffix (e.g., JR or III)	ST		3	O	..	
8.6	prefix (e.g., DR)	ST		3	O	..	
8.7	degree (e.g., MD)	IS	HL70360	3	O	..	
8.8	source table	IS	HL70297	3	O	..	
8.9	assigning authority	HD		11	O	..	
8.9.1	namespace ID	IS	HL70363	3	O	..	
8.9.2	universal ID	ST		3	O	..	
8.9.3	universal ID type	ID	HL70301	3	O	..	
8.10	name type code	ID	HL70200	3	O	..	
8.11	identifier check digit	ST		3	O	..	
8.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
8.13	identifier type code (IS)	IS		3	O	..	
8.14	assigning facility	HD		11	O	..	
8.14.1	namespace ID	IS	HL70363	3	O	..	
8.14.2	universal ID	ST		3	O	..	
8.14.3	universal ID type	ID	HL70301	3	O	..	
8.15	Name Representation code	ID	HL70465	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
8.16	name context	CE	HL70448	20	O	..	
8.16.1	identifier	ST			O	..	
8.16.2	text	ST		3	O	..	
8.16.3	name of coding system	IS	HL70396	3	O	..	
8.16.4	alternate identifier	ST		3	O	..	
8.16.5	alternate text	ST		3	O	..	
8.16.6	name of alternate coding system	IS	HL70396	3	O	..	
8.17	name validity range	DR		7	O	..	
8.17.1	range start date/time	TS		3	O	..	
8.17.2	range end date/time	TS		3	O	..	
8.18	name assembly order	ID	HL70444	3	O	..	
9	Consulting Doctor	XCN	HL70010	3002	B	0..*	
9.1	ID number (ST)	ST		3	O	..	
9.2	family name	FN		19	O	..	
9.2.1	surname	ST		3	O	..	
9.2.2	own surname prefix	ST		3	O	..	
9.2.3	own surname	ST		3	O	..	
9.2.4	surname prefix from partner/spouse	ST		3	O	..	
9.2.5	surname from partner/spouse	ST		3	O	..	
9.3	given name	ST		3	O	..	
9.4	second and further given names or initials thereof	ST		3	O	..	
9.5	suffix (e.g., JR or III)	ST		3	O	..	
9.6	prefix (e.g., DR)	ST		3	O	..	
9.7	degree (e.g., MD)	IS	HL70360	3	O	..	
9.8	source table	IS	HL70297	3	O	..	
9.9	assigning authority	HD		11	O	..	
9.9.1	namespace ID	IS	HL70363	3	O	..	
9.9.2	universal ID	ST		3	O	..	
9.9.3	universal ID type	ID	HL70301	3	O	..	
9.10	name type code	ID	HL70200	3	O	..	
9.11	identifier check digit	ST		3	O	..	
9.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
9.13	identifier type code (IS)	IS		3	O	..	
9.14	assigning facility	HD		11	O	..	
9.14.1	namespace ID	IS	HL70363	3	O	..	
9.14.2	universal ID	ST		3	O	..	
9.14.3	universal ID type	ID	HL70301	3	O	..	
9.15	Name Representation code	ID	HL70465	3	O	..	
9.16	name context	CE	HL70448	20	O	..	
9.16.1	identifier	ST			O	..	
9.16.2	text	ST		3	O	..	
9.16.3	name of coding system	IS	HL70396	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
9.16.4	alternate identifier	ST		3	O	..	
9.16.5	alternate text	ST		3	O	..	
9.16.6	name of alternate coding system	IS	HL70396	3	O	..	
9.17	name validity range	DR		7	O	..	
9.17.1	range start date/time	TS		3	O	..	
9.17.2	range end date/time	TS		3	O	..	
9.18	name assembly order	ID	HL70444	3	O	..	
15	Ambulatory Status	IS	HL70009	2	O	0..*	
16	VIP Indicator	IS	HL70099	2	O	0..1	
17	Admitting Doctor	XCN	HL70010	3002	O	0..*	
17.1	ID number (ST)	ST		3	O	..	
17.2	family name	FN		19	O	..	
17.2.1	surname	ST		3	O	..	
17.2.2	own surname prefix	ST		3	O	..	
17.2.3	own surname	ST		3	O	..	
17.2.4	surname prefix from partner/spouse	ST		3	O	..	
17.2.5	surname from partner/spouse	ST		3	O	..	
17.3	given name	ST		3	O	..	
17.4	second and further given names or initials thereof	ST		3	O	..	
17.5	suffix (e.g., JR or III)	ST		3	O	..	
17.6	prefix (e.g., DR)	ST		3	O	..	
17.7	degree (e.g., MD)	IS	HL70360	3	O	..	
17.8	source table	IS	HL70297	3	O	..	
17.9	assigning authority	HD		11	O	..	
17.9.1	namespace ID	IS	HL70363	3	O	..	
17.9.2	universal ID	ST		3	O	..	
17.9.3	universal ID type	ID	HL70301	3	O	..	
17.10	name type code	ID	HL70200	3	O	..	
17.11	identifier check digit	ST		3	O	..	
17.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
17.13	identifier type code (IS)	IS		3	O	..	
17.14	assigning facility	HD		11	O	..	
17.14.1	namespace ID	IS	HL70363	3	O	..	
17.14.2	universal ID	ST		3	O	..	
17.14.3	universal ID type	ID	HL70301	3	O	..	
17.15	Name Representation code	ID	HL70465	3	O	..	
17.16	name context	CE	HL70448	20	O	..	
17.16.1	identifier	ST			O	..	
17.16.2	text	ST		3	O	..	
17.16.3	name of coding system	IS	HL70396	3	O	..	
17.16.4	alternate identifier	ST		3	O	..	
17.16.5	alternate text	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
17.16.6	name of alternate coding system	IS	HL70396	3	O	..	
17.17	name validity range	DR		7	O	..	
17.17.1	range start date/time	TS		3	O	..	
17.17.2	range end date/time	TS		3	O	..	
17.18	name assembly order	ID	HL70444	3	O	..	
18	Patient Type	IS	HL70018	2	O	0..1	
19	Visit Number	CX		1913	O	0..1	
19.1	ID	ST		3	O	..	
19.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
19.4	assigning authority	HD		11	O	..	
19.4.1	namespace ID	IS	HL70363	3	O	..	
19.4.2	universal ID	ST		3	O	..	
19.4.3	universal ID type	ID	HL70301	3	O	..	
19.5	identifier type code (ID)	ID	HL70203	3	O	..	
19.6	assigning facility	HD		11	O	..	
19.6.1	namespace ID	IS	HL70363	3	O	..	
19.6.2	universal ID	ST		3	O	..	
19.6.3	universal ID type	ID	HL70301	3	O	..	
19.7	effective date (DT)	DT		3	O	..	
19.8	expiration date	DT		3	O	..	
40	Bed Status	IS	HL70116	1	B	0..*	
44	Admit Date/Time	TS		26	O	0..1	
52	Other Healthcare Provider	XCN	HL70010	3002	B	0..*	
52.1	ID number (ST)	ST		3	O	..	
52.2	family name	FN		19	O	..	
52.2.1	surname	ST		3	O	..	
52.2.2	own surname prefix	ST		3	O	..	
52.2.3	own surname	ST		3	O	..	
52.2.4	surname prefix from partner/spouse	ST		3	O	..	
52.2.5	surname from partner/spouse	ST		3	O	..	
52.3	given name	ST		3	O	..	
52.4	second and further given names or initials thereof	ST		3	O	..	
52.5	suffix (e.g., JR or III)	ST		3	O	..	
52.6	prefix (e.g., DR)	ST		3	O	..	
52.7	degree (e.g., MD)	IS	HL70360	3	O	..	
52.8	source table	IS	HL70297	3	O	..	
52.9	assigning authority	HD		11	O	..	
52.9.1	namespace ID	IS	HL70363	3	O	..	
52.9.2	universal ID	ST		3	O	..	
52.9.3	universal ID type	ID	HL70301	3	O	..	
52.10	name type code	ID	HL70200	3	O	..	
52.11	identifier check digit	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
52.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
52.13	identifier type code (IS)	IS		3	O	..	
52.14	assigning facility	HD		11	O	..	
52.14.1	namespace ID	IS	HL70363	3	O	..	
52.14.2	universal ID	ST		3	O	..	
52.14.3	universal ID type	ID	HL70301	3	O	..	
52.15	Name Representation code	ID	HL70465	3	O	..	
52.16	name context	CE	HL70448	20	O	..	
52.16.1	identifier	ST			O	..	
52.16.2	text	ST		3	O	..	
52.16.3	name of coding system	IS	HL70396	3	O	..	
52.16.4	alternate identifier	ST		3	O	..	
52.16.5	alternate text	ST		3	O	..	
52.16.6	name of alternate coding system	IS	HL70396	3	O	..	
52.17	name validity range	DR		7	O	..	
52.17.1	range start date/time	TS		3	O	..	
52.17.2	range end date/time	TS		3	O	..	
52.18	name assembly order	ID	HL70444	3	O	..	

2. Patient Class

If standard hl7 codes are used they will be picked from:
TRANSFERS/TR_PATTYPE

If not value will be picked from TRANSFERS/TR_TYPE

If still empty: then value will be "P"

3. Assigned Patient Location

Values taken from the TRANSFERS table.

7. Attending Doctor

TRANSFERS/TR_DOCTOR_RESP

8. Referring Doctor

TRANSFERS/TR_DOCTOR_MR

15. Ambulatory Status

When patient has patmobility P (pregnant) in request then we send value B6 otherwise nothing

19.1. ID

RQEX_REQUEST/PATHOSPITALNR

19.4.1. namespace ID

TRANSFERS/TR_VISITNR_CODEASSIGNER

44. Admit Date/Time

TRANSFERS/VISIT_ADMITDATE or TRANSFERS/TR_DATE_FROM

AL1 - Patient allergy information

- Usage: Optional

- Cardinality:0..*

- Implementation note: Only will be add if: PATIENT/PATIENT_ITEMS

Starts with ALLERGY

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - AL1	CE		483	O	0..1	
1.2	text	ST		3	O	..	
1.3	name of coding system	IS	HL70396	3	O	..	
1.4	alternate identifier	ST		3	O	..	
1.5	alternate text	ST		3	O	..	
1.6	name of alternate coding system	IS	HL70396	3	O	..	
2	Allergen Type Code	CE	HL70127	483	R	1..1	
2.2	text	ST		3	O	..	
2.3	name of coding system	IS	HL70396	3	O	..	
2.4	alternate identifier	ST		3	O	..	
2.5	alternate text	ST		3	O	..	
2.6	name of alternate coding system	IS	HL70396	3	O	..	
3	Allergen Code/Mnemonic/Description	CE		483	R	1..1	
3.2	text	ST		3	O	..	
3.3	name of coding system	IS	HL70396	3	O	..	
3.4	alternate identifier	ST		3	O	..	
3.5	alternate text	ST		3	O	..	
3.6	name of alternate coding system	IS	HL70396	3	O	..	
4	Allergy Severity Code	CE	HL70128	483	O	0..1	
4.2	text	ST		3	O	..	
4.3	name of coding system	IS	HL70396	3	O	..	
4.4	alternate identifier	ST		3	O	..	
4.5	alternate text	ST		3	O	..	
4.6	name of alternate coding system	IS	HL70396	3	O	..	
5	Allergy Reaction Code	ST		15	O	0..*	
6	Identification Date	DT		8	O	0..1	

6. Identification Date

PATIENT_ITEMS\PI_DATEFROM

End of segment group PATIENT

Segment group: Order

- Usage: Optional

- Cardinality: 0..1

ORC - Common Order

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Order Control	ID	HL70119	2	R	1..1	e.g. XX

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Placer Order Number	EI		427	O	0..1	
2.1	entity identifier	ST		3	O	..	
2.2	namespace ID	IS	HL70363	3	O	..	
2.3	universal ID	ST		3	O	..	
2.4	universal ID type	ID	HL70301	3	O	..	
3	Filler Order Number	EI		427	O	0..1	
3.1	entity identifier	ST		3	O	..	
3.2	namespace ID	IS	HL70363	3	O	..	
3.3	universal ID	ST		3	O	..	
3.4	universal ID type	ID	HL70301	3	O	..	
4	Placer Group Number	EI		427	O	0..1	
4.1	entity identifier	ST		3	O	..	
4.2	namespace ID	IS	HL70363	3	O	..	
4.3	universal ID	ST		3	O	..	
4.4	universal ID type	ID	HL70301	3	O	..	
5	Order Status	ID	HL70038	2	O	0..1	
7	Quantity/Timing	TQ		1545	O	0..*	
7.6	priority	ST		3	O	..	
10	Entered By	XCN		3002	O	0..*	
10.1	ID number (ST)	ST		3	O	..	
10.2	family name	FN		19	O	..	
10.2.1	surname	ST		3	O	..	
10.2.2	own surname prefix	ST		3	O	..	
10.2.3	own surname	ST		3	O	..	
10.2.4	surname prefix from partner/spouse	ST		3	O	..	
10.2.5	surname from partner/spouse	ST		3	O	..	
10.3	given name	ST		3	O	..	
10.4	second and further given names or initials thereof	ST		3	O	..	
10.5	suffix (e.g., JR or III)	ST		3	O	..	
10.6	prefix (e.g., DR)	ST		3	O	..	
10.7	degree (e.g., MD)	IS	HL70360	3	O	..	
10.8	source table	IS	HL70297	3	O	..	
10.9	assigning authority	HD		11	O	..	
10.9.1	namespace ID	IS	HL70363	3	O	..	
10.9.2	universal ID	ST		3	O	..	
10.9.3	universal ID type	ID	HL70301	3	O	..	
10.10	name type code	ID	HL70200	3	O	..	
10.11	identifier check digit	ST		3	O	..	
10.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
10.13	identifier type code (IS)	IS		3	O	..	
10.14	assigning facility	HD		11	O	..	
10.14.1	namespace ID	IS	HL70363	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
10.14.2	universal ID	ST		3	O	..	
10.14.3	universal ID type	ID	HL70301	3	O	..	
10.15	Name Representation code	ID	HL70465	3	O	..	
10.16	name context	CE	HL70448	20	O	..	
10.16.1	identifier	ST			O	..	
10.16.2	text	ST		3	O	..	
10.16.3	name of coding system	IS	HL70396	3	O	..	
10.16.4	alternate identifier	ST		3	O	..	
10.16.5	alternate text	ST		3	O	..	
10.16.6	name of alternate coding system	IS	HL70396	3	O	..	
10.17	name validity range	DR		7	O	..	
10.17.1	range start date/time	TS		3	O	..	
10.17.2	range end date/time	TS		3	O	..	
12	Ordering Provider	XCN		3002	O	0..*	
12.1	ID number (ST)	ST		3	O	..	
12.2	family name	FN		19	O	..	
12.2.1	surname	ST		3	O	..	
12.2.2	own surname prefix	ST		3	O	..	
12.2.3	own surname	ST		3	O	..	
12.2.4	surname prefix from partner/spouse	ST		3	O	..	
12.2.5	surname from partner/spouse	ST		3	O	..	
17	Entering Organization	CE		483	O	0..1	
17.2	text	ST		3	O	..	
21	Ordering Facility Name	XON		567	O	0..1	
21.1	organization name	ST		3	O	..	
21.2	organization name type code	IS	HL70204	3	O	..	
21.3	ID number (NM)	NM		3	O	..	
21.4	check digit	NM		3	O	..	
21.5	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
21.6	assigning authority	HD		11	O	..	
21.6.1	namespace ID	IS	HL70363	3	O	..	
21.6.2	universal ID	ST		3	O	..	
21.6.3	universal ID type	ID	HL70301	3	O	..	
21.7	identifier type code (IS)	IS		3	O	..	
21.8	assigning facility ID	HD	HL70300	11	O	..	
21.8.1	namespace ID	IS	HL70363	3	O	..	
21.8.2	universal ID	ST		3	O	..	
21.8.3	universal ID type	ID	HL70301	3	O	..	

1. Order Control

If statuschange = "PA" then OrderControl = "SC"

Otherwise following applies:

Parameters involved: CancelStatus

On Insert action:

Order: NW (or XO if QPQD_LINK/QPQD_QP_APPKEY") <> "")

Appointment: NW (or XO if QPQD_LINK/QPQD_ORDER_SESSION") <> "" and depending on parameter: CONNECTIVITY.EI_ORM_ORDERSTATUS)

Request: NW

On a update action

Order: if CancelStatus is mapped then "CA" else "XO"

Appointment: "XO"

Request: RQEX_FINISHED = "X" or "PX" => "CA" else "XO"

On a delete action:

Order: CA

Appointment: XO

Request: CA

2.1. entity identifier

ORDERINFO/ORDER/ORDERID

2.2. namespace ID

ORDERINFO/ORDER/PLACERID

3.1. entity identifier

QPQD_LINK/QPQD_GROUPIDENTIFIER

4.1. entity identifier

ORDERINFO/ORDER/ORDERSESSIONID

4.2. namespace ID

ORDERINFO/ORDER/PLACERID

7.6. priority

See parameter: ORC_Priority

10. Entered By

RQEX_REQUEST/CHANGEDBY

OBR - Observation Request

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		4	O	0..1	
2	Placer Order Number	EI		427	C	0..1	
2.1	entity identifier	ST		3	O	..	
2.2	namespace ID	IS	HL70363	3	O	..	
2.3	universal ID	ST		3	O	..	
2.4	universal ID type	ID	HL70301	3	O	..	
3	Filler Order Number	EI		427	C	0..1	
3.1	entity identifier	ST		3	O	..	
3.2	namespace ID	IS	HL70363	3	O	..	
3.3	universal ID	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3.4	universal ID type	ID	HL70301	3	O	..	
4	Universal Service Identifier	CE		483	R	1..1	
4.2	text	ST		3	O	..	
4.3	name of coding system	IS	HL70396	3	O	..	
4.4	alternate identifier	ST		3	O	..	
4.5	alternate text	ST		3	O	..	
4.6	name of alternate coding system	IS	HL70396	3	O	..	
6	Requested Date/Time	TS		26	O	0..1	
7	Observation Date/Time #	TS		26	O	0..1	
8	Observation End Date/Time #	TS		26	O	0..1	
13	Relevant Clinical Info.	ST		300	O	0..1	
16	Ordering Provider	XCN		3002	O	0..1	
16.1	ID number (ST)	ST		3	O	..	
16.2	family name	FN		19	O	..	
16.2.1	surname	ST		3	O	..	
16.2.2	own surname prefix	ST		3	O	..	
16.2.3	own surname	ST		3	O	..	
16.2.4	surname prefix from partner/spouse	ST		3	O	..	
16.2.5	surname from partner/spouse	ST		3	O	..	
16.3	given name	ST		3	O	..	
16.4	second and further given names or initials thereof	ST		3	O	..	
16.5	suffix (e.g., JR or III)	ST		3	O	..	
16.6	prefix (e.g., DR)	ST		3	O	..	
16.7	degree (e.g., MD)	IS	HL70360	3	O	..	
16.8	source table	IS	HL70297	3	O	..	
16.9	assigning authority	HD		11	O	..	
16.9.1	namespace ID	IS	HL70363	3	O	..	
16.9.2	universal ID	ST		3	O	..	
16.9.3	universal ID type	ID	HL70301	3	O	..	
16.10	name type code	ID	HL70200	3	O	..	
16.11	identifier check digit	ST		3	O	..	
16.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
16.13	identifier type code (IS)	IS		3	O	..	
16.14	assigning facility	HD		11	O	..	
16.14.1	namespace ID	IS	HL70363	3	O	..	
16.14.2	universal ID	ST		3	O	..	
16.14.3	universal ID type	ID	HL70301	3	O	..	
16.15	Name Representation code	ID	HL70465	3	O	..	
16.16	name context	CE	HL70448	20	O	..	
16.16.1	identifier	ST			O	..	
16.16.2	text	ST		3	O	..	
16.16.3	name of coding system	IS	HL70396	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
16.16.4	alternate identifier	ST		3	O	..	
16.16.5	alternate text	ST		3	O	..	
16.16.6	name of alternate coding system	IS	HL70396	3	O	..	
16.17	name validity range	DR		7	O	..	
16.17.1	range start date/time	TS		3	O	..	
16.17.2	range end date/time	TS		3	O	..	
17	Order Callback Phone Number	XTN		850	O	0..*	
17.7	Phone number	NM		3	O	..	
18	Placer Field 1	ST		60	O	0..1	
20	Filler Field 1 +	ST		60	O	0..1	
21	Filler Field 2 +	ST		60	O	0..1	
24	Diagnostic Serv Sect ID	ID	HL70074	10	O	0..1	
28	Result Copies To	XCN		3002	O	0..*	
28.1	ID number (ST)	ST		3	O	..	
28.2	family name	FN		19	O	..	
28.2.1	surname	ST		3	O	..	
28.2.2	own surname prefix	ST		3	O	..	
28.2.3	own surname	ST		3	O	..	
28.2.4	surname prefix from partner/spouse	ST		3	O	..	
28.2.5	surname from partner/spouse	ST		3	O	..	
28.3	given name	ST		3	O	..	
28.4	second and further given names or initials thereof	ST		3	O	..	
28.5	suffix (e.g., JR or III)	ST		3	C	..	
28.6	prefix (e.g., DR)	ST		3	C	..	
28.7	degree (e.g., MD)	IS	HL70360	3	C	..	
28.8	source table	IS	HL70297	3	C	..	
28.9	assigning authority	HD		11	C	..	
28.9.1	namespace ID	IS	HL70363	3	O	..	
28.9.2	universal ID	ST		3	O	..	
28.9.3	universal ID type	ID	HL70301	3	O	..	
28.10	name type code	ID	HL70200	3	C	..	
28.11	identifier check digit	ST		3	C	..	
28.12	code identifying the check digit scheme employed	ID	HL70061	3	C	..	
28.13	identifier type code (IS)	IS		3	C	..	
28.14	assigning facility	HD		11	C	..	
28.14.1	namespace ID	IS	HL70363	3	O	..	
28.14.2	universal ID	ST		3	O	..	
28.14.3	universal ID type	ID	HL70301	3	O	..	
28.15	Name Representation code	ID	HL70465	3	C	..	
28.16	name context	CE	HL70448	20	C	..	
28.16.1	identifier	ST			O	..	
28.16.2	text	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
28.16.3	name of coding system	IS	HL70396	3	O	..	
28.16.4	alternate identifier	ST		3	O	..	
28.16.5	alternate text	ST		3	O	..	
28.16.6	name of alternate coding system	IS	HL70396	3	O	..	
28.17	name validity range	DR		7	C	..	
28.17.1	range start date/time	TS		3	O	..	
28.17.2	range end date/time	TS		3	O	..	
28.18	name assembly order	ID	HL70444	3	C	..	
31	Reason for Study	CE		483	O	0..2	
31.2	text	ST		3	O	..	
31.3	name of coding system	IS	HL70396	3	O	..	
31.4	alternate identifier	ST		3	O	..	
31.5	alternate text	ST		3	O	..	
31.6	name of alternate coding system	IS	HL70396	3	O	..	
32	Principal Result Interpreter +	CM_NDL		835	O	0..1	
32.1	name	CN		59	O	..	
32.1.1	ID number (ST)	ST		3	O	..	
32.1.2	family name	FN		19	O	..	
32.1.3	given name	ST		3	O	..	
32.1.4	second and further given names or initials thereof	ST		3	O	..	
32.1.5	suffix (e.g., JR or III)	ST		3	O	..	
32.1.6	prefix (e.g., DR)	ST		3	O	..	
32.1.7	degree (e.g., MD)	IS	HL70360	3	O	..	
32.1.8	source table	IS	HL70297	3	O	..	
32.1.9	assigning authority	HD		11	O	..	
32.2	start date/time	TS		2	O	..	
32.2.1	Date/Time	NM			R	..	e.g. 20040328134602.1234+0600
32.3	end date/time	TS		2	O	..	
32.3.1	Date/Time	NM			R	..	e.g. 20040328134602.1234+0600
32.4	point of care (IS)	IS		3	O	..	
32.5	room	IS	HL70303	3	O	..	
32.6	bed	IS	HL70304	3	O	..	
32.7	facility (HD)	HD		11	O	..	
32.7.1	namespace ID	IS	HL70363	3	O	..	
32.7.2	universal ID	ST		3	O	..	
32.7.3	universal ID type	ID	HL70301	3	O	..	
32.8	location status	IS	HL70306	3	O	..	
32.9	person location type	IS	HL70305	3	O	..	
32.10	building	IS	HL70307	3	O	..	
32.11	floor	IS	HL70308	3	O	..	
34	Technician +	CM_NDL		835	O	0..*	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
34.1	name	CN		59	O	..	
34.1.1	ID number (ST)	ST		3	O	..	
34.1.2	family name	FN		19	O	..	
34.1.3	given name	ST		3	O	..	
34.1.4	second and further given names or initials thereof	ST		3	O	..	
34.1.5	suffix (e.g., JR or III)	ST		3	O	..	
34.1.6	prefix (e.g., DR)	ST		3	O	..	
34.1.7	degree (e.g., MD)	IS	HL70360	3	O	..	
34.1.8	source table	IS	HL70297	3	O	..	
34.1.9	assigning authority	HD		11	O	..	
34.2	start date/time	TS		2	O	..	
34.2.1	Date/Time	NM			R	..	
34.3	end date/time	TS		2	O	..	
34.3.1	Date/Time	NM			R	..	
34.4	point of care (IS)	IS		3	O	..	
34.5	room	IS	HL70303	3	O	..	
34.6	bed	IS	HL70304	3	O	..	
34.7	facility (HD)	HD		11	O	..	
34.7.1	namespace ID	IS	HL70363	3	O	..	
34.7.2	universal ID	ST		3	O	..	
34.7.3	universal ID type	ID	HL70301	3	O	..	
34.8	location status	IS	HL70306	3	O	..	
34.9	person location type	IS	HL70305	3	O	..	
34.10	building	IS	HL70307	3	O	..	
34.11	floor	IS	HL70308	3	O	..	
36	Scheduled Date/Time +	TS		26	O	0..1	

2. Placer Order Number

= ORC 2

3. Filler Order Number

= ORC 3

4. Universal Service Identifier

Parameter: OBR_Examgroup

Value 0:

RQEX_EXAM/

Value 1:

RQEX_EXAM/EX_PARENT

13. Relevant Clinical Info.

RQEX_REQUEST/CLININFO

16. Ordering Provider

= ORC.12

18. Placer Field 1

Accession number

20. Filler Field 1 +

Accession number

24. Diagnostic Serv Sect ID

RQEX_MACHINE/MA_DICOMTYPE

32.2.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+-ZZZZ]

32.3.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+-ZZZZ]

34.2.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+-ZZZZ]

34.3.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+-ZZZZ]

NTE - Notes and Comments

- Usage: Optional
- Cardinality: 0..1
- Implementation note: Parameter: IncludeProcedureProtocol

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - NTE	SI		4	O	0..1	
2	Source of Comment	ID	HL70105	8	O	0..1	
3	Comment	FT		65536	O	0..*	
4	Comment Type	CE	HL70364	483	O	0..1	
4.2	text	ST		3	O	..	
4.3	name of coding system	IS	HL70396	3	O	..	
4.4	alternate identifier	ST		3	O	..	
4.5	alternate text	ST		3	O	..	
4.6	name of alternate coding system	IS	HL70396	3	O	..	

ZDS

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	field 2	ST		1	R	1..1	e.g. AGFA_PACS
3	field 3	ST		1	R	1..1	e.g. Application
4	field 4	ST		1	R	1..1	e.g. DICOM

2. field 2

ApplicationID

3. field 3

Type of data application

4. field 4

Subtype: DICOM

OBX - Observation/Result

- Usage: Optional
- Cardinality: 0..1
- Implementation note: OBX lines will be generated for UDP's and attachments

User definable properties (UDP)

OBX(2) = TX

OBX(3.1) = UDP code

OBX(5) = UDP Value

Image attachements

Attachment type of PDF/Image for the reference pointer:

OBX(2) = RP

OBX(3.1) = Attachment code

OBX(5) = path + file name (TIFF)

Attachment type of Image for Base64 encoded encapsulated data:

OBX(2) = ED

OBX(3.1) = Attachment code

OBX(5.2) = IM

OBX(5.3) = TIFF

OBX(5.4) = Base64

OBX(5.5) = the encoded attachment

PDF & QNA attachements

Attachment type PDF for Base64 encoded encapsulated data:

OBX(2) = ED

OBX(3.1) = Attachment code

OBX(5.2) = TEXT

OBX(5.3) = PDF

OBX(5.4) = Base64

OBX(5.5) = the encoded attachment

Text attachements

Attachment type of Text for plain text

OBX(2) = TX

OBX(3.1) = Attachment code

OBX(5) = Plain text

Messageboard Text attachements

Attachment type of Messageboardtext for plain text

OBX(2) = TX

OBX(3.1) = Messageboardtext attachment code

OBX(5) = Plain text

OBX(13) = PUB or PRV - used to mark the message board item as 'public' (PUB) or 'private' (PRV)

OBX(16) = The user that added the message board item

OBX(16.1) = Code of the user (Employee Code field in QDoc for a user)

OBX(16.2) = Family name of the user

OBX(16.3) = Given name of the user

OBX(16.9) = Assigning authority

Patient arrived/un-arrival

OBX(2) = TX

OBX(3.1) = PATIENT_ARRIVED

OBX(5) = YES or NO “ YES: indicates the patient's arrived status is true; NO: indicates the patient's arrived status is false

Also see parameters:

OBXPatientArrivedForStatuses

UDPCode

UDPMAP

AttachmentCode

AttachmentMAP

MBA MAP (Messageboard text attachment)

...

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBX	SI		4	O	0..*	
2	Value Type	ID	HL70125	2	R	1..1	e.g. TX
3	Observation Identifier	CE		483	R	1..1	
3.1	identifier	ST		50	R	..	
3.2	text	ST		3	O	..	
3.3	name of coding system	IS	HL70396	3	O	..	
3.4	alternate identifier	ST		3	O	..	
3.5	alternate text	ST		3	O	..	
3.6	name of alternate coding system	IS	HL70396	3	O	..	
4	Observation Sub-Id	ST		20	C	0..1	
5	Observation Value	TX		65536	R	1..1	e.g. CLINICAL
11	Observation Result Status	ID	HL70085	1	O	0..1	e.g. 0
13	User Defined Access Checks	ST		20	O	0..*	
14	Date/Time of the Observation	TS		26	O	0..*	
16	Responsible Observer	XCN		3002	O	0..*	
16.1	ID number (ST)	ST		3	R	..	
16.2	family name	FN		147	O	..	
16.2.1	surname	ST		3	O	..	
16.3	given name	ST		3	O	..	
16.9	assigning authority	HD		210	R	..	
16.9.1	namespace ID	IS	HL70363	3	R	..	

2. Value Type

Depending on the type of attachment this will be: RP, TX, ED

For Messageboard text attachments: TX

3. Observation Identifier

Unique identifier for the attachment type

Example:

3.1. identifier

UDP code/Attachment code/PATIENT_ARRIVED/Messageboard text attachment code

3.2. text

UDP name

5. Observation Value

Please refer to the Implementation note

13. User Defined Access Checks

Used in combination with Messageboard text attachments. Possible values 'PUB' (Public) or 'PRV' (Private)

14. Date/Time of the Observation

For Messageboard text attachments:

Date/time of the creation of the message board item (format: YYYYMMDDHH24MISS).

16. Responsible Observer

Used in combination with Messageboard text attachments. User that added the messageboard text attachment.

End of segment group Order