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## HL7 Conformance Profile

# **(R)IS OUTBOUND ORU R01 Outbound Enterprise Imaging**

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## About this Conformance Profile

HL7 ORU interface that sends observation results to 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: ORU/ACK - Unsolicited transmission of an observation message
- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU\_R01
- Topics: confsig-AGFA HealthCare-2.4-static-ORU-R01-null-ORU\_R01---Sender

### Message structure

MSH [ PID PV1 ] [ [ORC] OBR 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. ORU           |
| 9.2  | trigger event         | ID     |         | 3    | R    | ..    | e.g. R01           |
| 9.3  | message structure     | ID     |         | 7    | R    | ..    | e.g. ORU_R01       |
| 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  |          |
| 2     | Patient ID                                       | CX   |         | 1913 | B    | 0..*  |          |
| 2.1   | ID                                               | ST   |         | 3    | O    | ..    |          |
| 2.3   | code identifying the check digit scheme employed | ID   | HL70061 | 3    | O    | ..    |          |
| 2.4   | assigning authority                              | HD   |         | 11   | O    | ..    |          |
| 2.4.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |          |
| 2.4.2 | universal ID                                     | ST   |         | 3    | O    | ..    |          |

| Seq.  | Name                                             | Type | Table   | Len. | Opt. | Card. | Contents |
|-------|--------------------------------------------------|------|---------|------|------|-------|----------|
| 2.4.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |          |
| 2.5   | identifier type code (ID)                        | ID   | HL70203 | 3    | O    | ..    |          |
| 2.6   | assigning facility                               | HD   |         | 11   | O    | ..    |          |
| 2.6.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |          |
| 2.6.2 | universal ID                                     | ST   |         | 3    | O    | ..    |          |
| 2.6.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |          |
| 2.7   | effective date (DT)                              | DT   |         | 3    | O    | ..    |          |
| 2.8   | expiration date                                  | DT   |         | 3    | O    | ..    |          |
| 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    | ..    |          |
| 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    | ..    |          |
| 4     | Alternate Patient ID - PID                       | CX   |         | 1913 | B    | 0..*  |          |
| 4.1   | ID                                               | ST   |         | 3    | O    | ..    |          |
| 4.3   | code identifying the check digit scheme employed | ID   | HL70061 | 3    | O    | ..    |          |
| 4.4   | assigning authority                              | HD   |         | 11   | O    | ..    |          |
| 4.4.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |          |
| 4.4.2 | universal ID                                     | ST   |         | 3    | O    | ..    |          |
| 4.4.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |          |
| 4.5   | identifier type code (ID)                        | ID   | HL70203 | 3    | O    | ..    |          |
| 4.6   | assigning facility                               | HD   |         | 11   | O    | ..    |          |
| 4.6.1 | namespace ID                                     | IS   | HL70363 | 3    | O    | ..    |          |
| 4.6.2 | universal ID                                     | ST   |         | 3    | O    | ..    |          |
| 4.6.3 | universal ID type                                | ID   | HL70301 | 3    | O    | ..    |          |
| 4.7   | effective date (DT)                              | DT   |         | 3    | O    | ..    |          |
| 4.8   | expiration date                                  | DT   |         | 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    | ..    |          |

| Seq.   | Name                                               | Type | Table   | Len. | Opt. | Card. | Contents |
|--------|----------------------------------------------------|------|---------|------|------|-------|----------|
| 5.2    | given name                                         | ST   |         | 3    | O    | ..    |          |
| 5.3    | second and further given names or initials thereof | ST   |         | 3    | O    | ..    |          |
| 5.4    | suffix (e.g., JR or III)                           | ST   |         | 3    | O    | ..    |          |
| 5.5    | prefix (e.g., DR)                                  | ST   |         | 3    | O    | ..    |          |
| 5.6    | degree (e.g., MD)                                  | IS   | HL70360 | 3    | O    | ..    |          |
| 5.7    | name type code                                     | ID   | HL70200 | 3    | O    | ..    |          |
| 5.8    | Name Representation code                           | ID   | HL70465 | 3    | O    | ..    |          |
| 5.9    | name context                                       | CE   | HL70448 | 20   | O    | ..    |          |
| 5.9.1  | identifier                                         | ST   |         |      | O    | ..    |          |
| 5.9.2  | text                                               | ST   |         | 3    | O    | ..    |          |
| 5.9.3  | name of coding system                              | IS   | HL70396 | 3    | O    | ..    |          |
| 5.9.4  | alternate identifier                               | ST   |         | 3    | O    | ..    |          |
| 5.9.5  | alternate text                                     | ST   |         | 3    | O    | ..    |          |
| 5.9.6  | name of alternate coding system                    | IS   | HL70396 | 3    | O    | ..    |          |
| 5.10   | name validity range                                | DR   |         | 7    | O    | ..    |          |
| 5.10.1 | range start date/time                              | TS   |         | 3    | O    | ..    |          |
| 5.10.2 | range end date/time                                | TS   |         | 3    | O    | ..    |          |
| 5.11   | name assembly order                                | ID   | HL70444 | 3    | O    | ..    |          |
| 7      | Date/Time Of Birth                                 | TS   |         | 26   | R    | 1..1  |          |
| 8      | Administrative Sex                                 | IS   | HL70001 | 1    | R    | 1..1  |          |
| 11     | Patient Address                                    | SAD  |         | 184  | O    | 0..2  |          |
| 11.1   | street or mailing address                          | ST   |         |      | O    | ..    |          |
| 11.2   | street name                                        | ST   |         |      | O    | ..    |          |
| 11.3   | dwelling number                                    | ST   |         |      | O    | ..    |          |
| 13     | Phone Number - Home                                | XTN  |         | 850  | O    | 0..*  |          |
| 13.7   | Phone number                                       | NM   |         | 3    | O    | ..    |          |
| 14     | Phone Number - Business                            | XTN  |         | 850  | O    | 0..*  |          |
| 14.7   | Phone number                                       | NM   |         | 3    | O    | ..    |          |
| 15     | Primary Language                                   | CE   | HL70296 | 483  | O    | 0..1  |          |
| 15.1   | identifier                                         | ST   |         | 1    | O    | ..    |          |
| 16     | Marital Status                                     | CE   | HL70002 | 483  | O    | 0..1  |          |
| 16.1   | identifier                                         | ST   |         | 1    | O    | ..    |          |
| 19     | SSN Number - Patient                               | ST   |         | 16   | O    | 0..1  |          |
| 23     | Birth Place                                        | ST   |         | 250  | O    | 0..1  |          |
| 28     | Nationality                                        | CE   | HL70212 | 483  | B    | 0..*  |          |
| 28.1   | identifier                                         | ST   |         | 1    | O    | ..    |          |
| 29     | Patient Death Date and Time                        | TS   |         | 26   | B    | 0..*  |          |

### 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   |
| 16   | VIP Indicator      | IS   | HL70099 | 2    | O    | 0..1  |          |
| 19   | Visit Number       | CX   |         | 1913 | O    | 0..1  |          |
| 19.1 | ID                 | ST   |         | 3    | O    | ..    |          |
| 40   | Bed Status         | IS   | HL70116 | 1    | B    | 0..*  |          |
| 44   | Admit Date/Time    | TS   |         | 26   | O    | 0..1  |          |
| 50   | Alternate Visit ID | CX   | HL70203 | 1913 | O    | 0..1  |          |
| 50.1 | ID                 | ST   |         | 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"

### 19.1. ID

RQEX\_REQUEST/PATHOSPITALNR

### 44. Admit Date/Time

TRANSFERS/VISIT\_ADMITDATE or TRANSFERS/TR\_DATE\_FROM

### 50.1. ID

RQ\_EXAMS/RQ\_EXAM/QP\_REQUEST/QPREQ\_EXTID

**End of segment group PATIENT**

## Segment group: Order

- Usage: Optional

- Cardinality: 0..1

## ORC - Common Order

- Usage: Optional

- Cardinality: 0..1

| Seq. | Name                | Type | Table   | Len. | Opt. | Card. | Contents |
|------|---------------------|------|---------|------|------|-------|----------|
| 1    | Order Control       | ID   | HL70119 | 2    | R    | 1..1  | e.g. XX  |
| 2    | Placer Order Number | EI   |         | 427  | C    | 0..1  |          |
| 2.1  | entity identifier   | ST   |         | 3    | O    | ..    |          |

| Seq.   | Name                                               | Type | Table   | Len. | Opt. | Card. | Contents                         |
|--------|----------------------------------------------------|------|---------|------|------|-------|----------------------------------|
| 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    | ..    |                                  |
| 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  | e.g. CM                          |
| 7      | Quantity/Timing                                    | TQ   |         | 1545 | O    | 0..*  |                                  |
| 7.4    | start date/time                                    | TS   |         | 2    | O    | ..    |                                  |
| 7.4.1  | Date/Time                                          | NM   |         |      | R    | ..    | e.g.<br>20040328134602.1234+0600 |
| 10     | Entered By                                         | XCN  |         | 3002 | O    | 0..*  |                                  |
| 10.1   | ID number (ST)                                     | ST   |         | 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    | ..    |                                  |
| 12.3   | given name                                         | ST   |         | 3    | O    | ..    |                                  |
| 12.4   | second and further given names or initials thereof | ST   |         | 3    | O    | ..    |                                  |
| 12.5   | suffix (e.g., JR or III)                           | ST   |         | 3    | O    | ..    |                                  |
| 12.6   | prefix (e.g., DR)                                  | ST   |         | 3    | O    | ..    |                                  |
| 12.7   | degree (e.g., MD)                                  | IS   | HL70360 | 3    | O    | ..    |                                  |
| 12.8   | source table                                       | IS   | HL70297 | 3    | O    | ..    |                                  |
| 12.9   | assigning authority                                | HD   |         | 11   | O    | ..    |                                  |
| 12.9.1 | namespace ID                                       | IS   | HL70363 | 3    | O    | ..    |                                  |
| 12.9.2 | universal ID                                       | ST   |         | 3    | O    | ..    |                                  |
| 12.9.3 | universal ID type                                  | ID   | HL70301 | 3    | O    | ..    |                                  |
| 12.10  | name type code                                     | ID   | HL70200 | 3    | O    | ..    |                                  |
| 12.11  | identifier check digit                             | ST   |         | 3    | O    | ..    |                                  |
| 12.12  | code identifying the check digit scheme employed   | ID   | HL70061 | 3    | O    | ..    |                                  |
| 12.13  | identifier type code (IS)                          | IS   |         | 3    | O    | ..    |                                  |



| Seq.    | Name                            | Type | Table   | Len. | Opt. | Card. | Contents |
|---------|---------------------------------|------|---------|------|------|-------|----------|
| 12.14   | assigning facility              | HD   |         | 11   | O    | ..    |          |
| 12.14.1 | namespace ID                    | IS   | HL70363 | 3    | O    | ..    |          |
| 12.14.2 | universal ID                    | ST   |         | 3    | O    | ..    |          |
| 12.14.3 | universal ID type               | ID   | HL70301 | 3    | O    | ..    |          |
| 12.15   | Name Representation code        | ID   | HL70465 | 3    | O    | ..    |          |
| 12.16   | name context                    | CE   | HL70448 | 20   | O    | ..    |          |
| 12.16.1 | identifier                      | ST   |         |      | O    | ..    |          |
| 12.16.2 | text                            | ST   |         | 3    | O    | ..    |          |
| 12.16.3 | name of coding system           | IS   | HL70396 | 3    | O    | ..    |          |
| 12.16.4 | alternate identifier            | ST   |         | 3    | O    | ..    |          |
| 12.16.5 | alternate text                  | ST   |         | 3    | O    | ..    |          |
| 12.16.6 | name of alternate coding system | IS   | HL70396 | 3    | O    | ..    |          |
| 12.17   | name validity range             | DR   |         | 7    | O    | ..    |          |
| 12.17.1 | range start date/time           | TS   |         | 3    | O    | ..    |          |
| 12.17.2 | range end date/time             | TS   |         | 3    | O    | ..    |          |
| 17      | Entering Organization           | CE   |         | 483  | O    | 0..1  |          |
| 17.1    | identifier                      | ST   |         | 1    | O    | ..    |          |
| 17.2    | text                            | ST   |         | 3    | O    | ..    |          |
| 17.3    | name of coding system           | IS   | HL70396 | 3    | O    | ..    |          |
| 21      | Ordering Facility Name          | XON  |         | 567  | O    | 0..1  |          |
| 21.1    | organization name               | ST   |         | 3    | O    | ..    |          |

## 1. Order Control

'RE' 'or SC' (CD BURN)

### 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

## 5. Order Status

CM

### 7.4.1. Date/Time

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

## 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    | ..    |          |
| 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  |          |
| 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    | ..    |          |
| 18     | Placer Field 1                        | ST   |         | 60   | O    | 0..1  |          |
| 19     | Placer Field 2                        | ST   |         | 60   | O    | 0..1  |          |
| 20     | Filler Field 1 +                      | ST   |         | 60   | O    | 0..1  |          |
| 21     | Filler Field 2 +                      | ST   |         | 60   | O    | 0..1  |          |
| 22     | Results Rpt/Status Chng - Date/Time + | TS   |         | 26   | O    | 0..1  |          |
| 24     | Diagnostic Serv Sect ID               | ID   | HL70074 | 10   | O    | 0..1  |          |
| 25     | Result Status +                       | ID   | HL70123 | 1    | R    | 1..1  |          |
| 27     | Quantity/Timing                       | TQ   |         | 1545 | O    | 0..1  |          |
| 27.4   | start date/time                       | TS   |         | 3    | O    | ..    |          |
| 27.4.1 | Date/Time                             | NM   |         | 1    | O    | ..    |          |
| 28     | Result Copies To                      | XCN  |         | 3002 | O    | 0..*  |          |
| 28.1   | ID number (ST)                        | ST   |         | 3    | O    | ..    |          |
| 28.2   | family name                           | FN   |         | 19   | O    | ..    |          |

| Seq.    | Name                                               | Type   | Table   | Len. | Opt. | Card. | Contents |
|---------|----------------------------------------------------|--------|---------|------|------|-------|----------|
| 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    | O    | ..    |          |
| 28.6    | prefix (e.g., DR)                                  | ST     |         | 3    | O    | ..    |          |
| 28.7    | degree (e.g., MD)                                  | IS     | HL70360 | 3    | O    | ..    |          |
| 28.8    | source table                                       | IS     | HL70297 | 3    | O    | ..    |          |
| 28.9    | assigning authority                                | HD     |         | 11   | O    | ..    |          |
| 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    | O    | ..    |          |
| 28.11   | identifier check digit                             | ST     |         | 3    | O    | ..    |          |
| 28.12   | code identifying the check digit scheme employed   | ID     | HL70061 | 3    | O    | ..    |          |
| 28.13   | identifier type code (IS)                          | IS     |         | 3    | O    | ..    |          |
| 28.14   | assigning facility                                 | HD     |         | 11   | O    | ..    |          |
| 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    | O    | ..    |          |
| 28.16   | name context                                       | CE     | HL70448 | 20   | O    | ..    |          |
| 28.16.1 | identifier                                         | ST     |         |      | O    | ..    |          |
| 28.16.2 | text                                               | ST     |         | 3    | O    | ..    |          |
| 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    | O    | ..    |          |
| 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    | O    | ..    |          |
| 30      | Transportation Mode                                | ID     | HL70124 | 20   | O    | 0..1  |          |
| 32      | Principal Result Interpreter +                     | CM_NDL |         | 835  | O    | 0..1  |          |
| 32.1    | name                                               | CN     |         | 48   | 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                  | ST     |         | 3    | O    | ..    |          |

| Seq.   | Name                                               | Type   | Table   | Len. | Opt. | Card. | Contents                         |
|--------|----------------------------------------------------|--------|---------|------|------|-------|----------------------------------|
|        | initials thereof                                   |        |         |      |      |       |                                  |
| 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    | ..    |                                  |
| 33     | Assistant Result Interpreter +                     | CM_NDL |         | 835  | O    | 0..1  |                                  |
| 33.1   | name                                               | CN     |         | 48   | O    | ..    |                                  |
| 33.1.1 | ID number (ST)                                     | ST     |         | 3    | O    | ..    |                                  |
| 33.1.2 | family name                                        | FN     |         | 19   | O    | ..    |                                  |
| 33.1.3 | given name                                         | ST     |         | 3    | O    | ..    |                                  |
| 33.1.4 | second and further given names or initials thereof | ST     |         | 3    | O    | ..    |                                  |
| 33.1.5 | suffix (e.g., JR or III)                           | ST     |         | 3    | O    | ..    |                                  |
| 33.1.6 | prefix (e.g., DR)                                  | ST     |         | 3    | O    | ..    |                                  |
| 33.1.7 | degree (e.g., MD)                                  | IS     | HL70360 | 3    | O    | ..    |                                  |
| 33.1.8 | source table                                       | IS     | HL70297 | 3    | O    | ..    |                                  |
| 34     | Technician +                                       | CM_NDL |         | 835  | O    | 0..*  |                                  |
| 34.1   | name                                               | CN     |         | 96   | 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    | ..    |                                  |
| 34.4   | point of care (IS)                                 | IS     |         | 3    | O    | ..    |                                  |
| 34.5   | room                                               | IS     | HL70303 | 3    | O    | ..    |                                  |
| 34.6   | bed                                                | IS     | HL70304 | 3    | O    | ..    |                                  |
| 35     | Transcriptionist +                                 | CM_NDL |         | 835  | O    | 0..1  |                                  |
| 35.1   | name                                               | CN     |         | 48   | O    | ..    |                                  |
| 35.1.1 | ID number (ST)                                     | ST     |         | 3    | O    | ..    |                                  |
| 35.1.2 | family name                                        | FN     |         | 19   | O    | ..    |                                  |
| 35.1.3 | given name                                         | ST     |         | 3    | O    | ..    |                                  |
| 35.1.4 | second and further given names or initials thereof | ST     |         | 3    | O    | ..    |                                  |
| 35.1.5 | suffix (e.g., JR or III)                           | ST     |         | 3    | O    | ..    |                                  |
| 35.1.6 | prefix (e.g., DR)                                  | ST     |         | 3    | O    | ..    |                                  |
| 35.1.7 | degree (e.g., MD)                                  | IS     | HL70360 | 3    | O    | ..    |                                  |
| 35.1.8 | source table                                       | IS     | HL70297 | 3    | O    | ..    |                                  |
| 36     | Scheduled Date/Time +                              | TS     |         | 26   | O    | 0..1  |                                  |
| 36.1   | Date/Time                                          | NM     |         | 1    | O    | ..    | e.g.<br>20040328134602.1234+0600 |

## 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

**19. Placer Field 2**  
Accession number

**20. Filler Field 1 +**  
Accession number

**24. Diagnostic Serv Sect ID**  
RQEX\_MACHINE/MA\_DICOMTYPE

**25. Result Status +**  
Validated = "F"  
Deleted = "X"  
Partial = "P"

**27.4.1. Date/Time**  
YYYYMMDD[HHMM[SS[.SSSS]]][+ -ZZZZ]

**30. Transportation Mode**  
GBPRESTATIEGROEP/PATMOBIL

1 = WALK  
2 = CART  
3 = WHLC

**36.1. Date/Time**  
YYYYMMDD[HHMM[SS[.SSSS]]][+ -ZZZZ]

## **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

Also see parameters:

OBXPatientArrivedForStatuses

UDPCode

UDPMAP

AttachmentCode

AttachmentMAP

...

| 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  |               |
| 3.2  | text                      | ST   |         | 3     | O    | ..    | e.g. GDT      |
| 3.3  | name of coding system     | IS   | HL70396 | 3     | O    | ..    |               |
| 3.4  | alternate identifier      | ST   |         | 3     | O    | ..    |               |
| 3.5  | alternate text            | ST   |         | 3     | O    | ..    |               |
| 5    | Observation Value         | TX   |         | 65536 | R    | 1..1  | e.g. CLINICAL |
| 11   | Observation Result Status | ID   | HL70085 | 1     | O    | 0..1  | e.g. 0        |
| 15   | Producer's ID             | CE   |         | 483   | O    | 0..1  |               |
| 15.2 | text                      | ST   |         | 3     | O    | ..    |               |
| 15.3 | name of coding system     | IS   | HL70396 | 3     | O    | ..    |               |
| 15.4 | alternate identifier      | ST   |         | 3     | O    | ..    |               |
| 15.5 | alternate text            | ST   |         | 3     | O    | ..    |               |

### **2. Value Type**

ED

### **3. Observation Identifier**

Unique identifier for the attachment type

ex:

### **11. Observation Result Status**

Validated = "F"

Partial = "S"

Preliminary 1 = "P" else = "R"

Deleted = "X"

### **15. Producer's ID**

RQEX\_ACCOUNT/A\_CODE

***End of segment group Order***