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# HL7 Conformance Profile

# ORM 001 Outbound HL7Pacs

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## About this Conformance Profile

HL7 ORM interface that sends order information (order updates, status updates, new orders) to a HL7PACS 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 RIS.

Segments, fields, components marked as Optional can be present in the message if the data is available in the Agfa 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>

## Conformance parameters

### Message Profile

- HL7 Version: 2.3.1
- Profile Type: Constraining
- Topics: confsig-QUADRAT N.V.-2.3.1-profile-accNE\_accNE-Immediate

### Encoding Method (s)

ER7, XML

## Interaction 1

### Dynamic Definition

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

### Static Definition

- Event Description: ORM - Order message - HL7PACS
- Message Type: ORM
- Trigger Event: O01
- Message Structure: ORM\_O01
- Topics: confsig-QUADRAT N.V.-2.3.1-static-ORM-O01-null-ORM\_O01---Sender

### Message structure

```
MSH [ PID [ PV1 ] ] { ORC [ OBR [ ZDS ] ] }
```

### 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     |         | 180  | R    | ..    | e.g. QDOC           |
| 4    | Sending Facility      | HD     | HL70362 | 227  | O    | 0..1  |                     |
| 4.1  | namespace ID          | IS     |         | 180  | O    | ..    | e.g. AGFA           |
| 5    | Receiving Application | HD     |         | 227  | R    | 1..1  |                     |
| 5.1  | namespace ID          | IS     |         | 180  | R    | ..    | e.g. XXXX           |
| 6    | Receiving Facility    | HD     |         | 227  | O    | 0..1  |                     |
| 6.1  | namespace ID          | IS     |         | 180  | O    | ..    | e.g. XXXX           |
| 7    | Date/Time Of Message  | TS     |         | 26   | R    | 1..1  |                     |
| 7.1  | Date/Time             | NM     |         | 14   | R    | ..    | e.g. 20051018104416 |
| 9    | Message Type          | CM_MSG | HL70076 | 15   | R    | 1..1  |                     |
| 9.1  | message type          | ID     | HL70076 | 3    | O    | ..    | e.g. ORM            |
| 9.2  | trigger event         | ID     | HL70003 | 3    | O    | ..    | e.g. O01            |
| 9.3  | message structure     | ID     | HL70354 | 7    | O    | ..    | e.g. ORM_O01        |
| 10   | Message Control ID    | ST     |         | 20   | R    | 1..1  | e.g. 45             |
| 11   | Processing ID         | PT     |         | 3    | R    | 1..1  |                     |
| 11.1 | processing ID         | ID     | HL70103 | 3    | R    | ..    | e.g. P              |
| 12   | Version ID            | VID    | HL70104 | 973  | R    | 1..1  |                     |
| 12.1 | version ID            | ID     | HL70104 | 3    | R    | ..    | e.g. 2.4            |
| 18   | Character Set         | ID     | HL70211 | 6    | O    | 0..1  | e.g. 8859/1         |

### 1. Field Separator

This field contains the separator between the segment ID and the first real field, MSH-2 encoding characters. As such it serves as the separator and defines the character to be used as a separator for the rest of the message. Recommended value and used by Agfa is |, (ASCII 124).

## 2. Encoding Characters

This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. Recommended values and used by Agfa Healthcare are ^~\&, (ASCII 94, 126, 92, and 38).

### 3.1. namespace ID

ID for the sending application: default value = QDOC Parameter: MSH\_SendingApplic

### 4.1. namespace ID

Parameter:MSH\_SendingFacility Default value: AGFA

### 5.1. namespace ID

Parameter: MSH\_ReceivingApplic Default value: XXXX

### 6.1. namespace ID

Parameter: MSH\_ReceivingFacility Default value: XXXX

## 7. Date/Time Of Message

Date/time the hl7 message was created by the AGFA interface.

## 10. Message Control ID

A unique identifier for the message. Should be returned by the receiving application in the ACK message.

### 11.1. processing ID

Fixed value P

### 12.1. version ID

Fixed value: 2.4

## 18. Character Set

fixed value: "8859/1"

## Segment group: PATIENT

- Usage: Required but may be empty
- Cardinality: 0..1

## PID - Patient identification

- Usage: Required
- Cardinality:1..1

| Seq.  | Name   | Type | Table   | Len. | Opt. | Card. | Contents      |
|-------|--|------|---------|------|------|-------|---------------|
| 1     | Set ID - PID                                     | SI   |         | 1    | R    | 1..1  | e.g. 1        |
| 2     | Patient ID                                       | CX   |         | 1913 | O    | 0..1  |               |
| 2.1   | ID   | ST   |         | 20   | O    | ..    | e.g. 10000019 |
| 2.2   | Check digit                                      | ST   |         | 1    | O    | ..    |               |
| 2.3   | code identifying the check digit scheme employed | ID   | HL70061 | 1    | O    | ..    |               |
| 2.4   | assigning authority                              | HD   |         | 5    | O    | ..    |               |
| 2.4.1 | namespace ID                                     | IS   | HL70363 | 1    | O    | ..    |               |
| 2.4.2 | universal ID                                     | ST   |         | 1    | O    | ..    |               |
| 2.4.3 | universal ID type                                | ID   | HL70301 | 1    | O    | ..    |               |
| 2.5   | identifier type code (ID)                        | ID   | HL70203 | 1    | O    | ..    |               |
| 2.6   | assigning facility                               | HD   |         | 5    | O    | ..    |               |
| 2.6.1 | namespace ID                                     | IS   | HL70363 | 1    | O    | ..    |               |
| 2.6.2 | universal ID                                     | ST   |         | 1    | O    | ..    |               |

| Seq.   | Name   | Type | Table   | Len. | Opt. | Card. | Contents                |
|--------|--|------|---------|------|------|-------|-------------------------|
| 2.6.3  | universal ID type                                  | ID   | HL70301 | 1    | O    | ..    |                         |
| 3      | Patient Identifier List                            | CX   |         | 1913 | R    | 1..*  |                         |
| 3.1    | ID   | ST   |         | 200  | R    | ..    | e.g. 100000019          |
| 3.2    | Check digit  | ST   |         | 200  | O    | ..    |                         |
| 3.3    | code identifying the check digit scheme employed   | ID   | HL70061 | 200  | O    | ..    |                         |
| 3.4    | assigning authority                                | HD   |         | 602  | O    | ..    |                         |
| 3.4.1  | namespace ID                                       | IS   |         | 200  | O    | ..    | e.g. HIS                |
| 3.4.2  | universal ID                                       | ST   |         | 200  | O    | ..    |                         |
| 3.4.3  | universal ID type                                  | ID   | HL70301 | 200  | O    | ..    |                         |
| 3.5    | identifier type code (ID)                          | ID   | HL70203 | 200  | O    | ..    | e.g. MR                 |
| 3.6    | assigning facility                                 | HD   |         | 405  | O    | ..    |                         |
| 3.6.1  | namespace ID                                       | IS   |         | 200  | O    | ..    |                         |
| 3.6.2  | universal ID                                       | ST   |         | 200  | O    | ..    |                         |
| 3.6.3  | universal ID type                                  | ID   | HL70301 | 3    | O    | ..    |                         |
| 3.8    | expiration date                                    | DT   |         | 18   | O    | ..    |                         |
| 5      | Patient Name                                       | XPN  |         | 1103 | R    | 1..*  |                         |
| 5.1    | family name  | FN   |         | 174  | R    | ..    |                         |
| 5.1.1  | surname  | ST   |         | 30   | R    | ..    | e.g. Vannieuwenhuyze    |
| 5.2    | given name   | ST   |         | 30   | O    | ..    | e.g. Nico               |
| 5.3    | second and further given names or initials thereof | ST   |         | 30   | O    | ..    |                         |
| 7      | Date/Time Of Birth                                 | TS   |         | 26   | R    | 1..1  |                         |
| 7.1    | Date/Time  | NM   |         | 14   | R    | ..    | e.g. 19740612           |
| 8      | Administrative Sex                                 | IS   | HL70001 | 1    | O    | 0..1  | e.g. M                  |
| 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    | ..    | e.g. Deinsesteenweg 114 |
| 11.3   | city   | ST   |         | 20   | O    | ..    | e.g. Drongen            |
| 11.4   | state or province                                  | ST   |         | 40   | O    | ..    | e.g. OVL                |
| 11.5   | zip or postal code                                 | ST   |         | 20   | O    | ..    | e.g. 9830               |
| 11.6   | country  | ID   | HL70399 | 40   | O    | ..    | e.g. BEL                |
| 19     | SSN Number - Patient                               | ST   |         | 20   | O    | 0..1  |                         |
| 23     | Birth Place  | ST   |         | 30   | O    | 0..1  | e.g. Deinze             |
| 28     | Nationality  | CE   | HL70212 | 483  | O    | 0..1  |                         |
| 28.1   | identifier   | ST   |         | 20   | O    | ..    | e.g. BEL                |

## 1. Set ID - PID

Fixed value: 1

## 2. Patient ID

Patient external ID Please use PID-3 for patient id !

### 2.1. ID

Default HIS ID of the patient. Depends on parameter PatientId

### 3. Patient Identifier List

List of (unique) patient identifiers known in the AGFA RIS database.

### 3.8. expiration date

Depending on parameter IncludeExpiredIdentifiers

### 5.1.1. surname

Patient name can also include the name of the partner depending on parameter UsePatientPartnerName

### 5.3. second and further given names or initials thereof

Used for middle name

### 8. Administrative Sex

M,F or U

### 11. Patient Address

List of patient addresses known in the AGFA RIS.

## Segment group: PATIENT VISIT

- Usage: Required but may be empty

- Cardinality: 0..1

### 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 | 10   | R    | 1..1  | e.g. I   |
| 3     | Assigned Patient Location                          | PL   |         | 1230 | O    | 0..1  |          |
| 3.1   | point of care                                      | IS   |         | 100  | O    | ..    |          |
| 3.2   | room   | IS   |         | 3    | O    | ..    |          |
| 3.3   | bed  | IS   |         | 25   | O    | ..    |          |
| 3.4   | facility (HD)                                      | HD   |         | 307  | O    | ..    |          |
| 3.4.1 | namespace ID                                       | IS   |         | 100  | O    | ..    |          |
| 3.9   | Location description                               | ST   |         | 100  | O    | ..    |          |
| 7     | Attending Doctor                                   | XCN  | HL70010 | 3002 | O    | 0..*  |          |
| 7.1   | ID number (ST)                                     | ST   |         | 20   | O    | ..    |          |
| 7.2   | family name  | FN   |         | 244  | O    | ..    |          |
| 7.2.1 | surname  | ST   |         | 100  | O    | ..    |          |
| 7.3   | given name   | ST   |         | 30   | O    | ..    |          |
| 7.4   | second and further given names or initials thereof | ST   |         | 3    | O    | ..    |          |
| 7.6   | prefix (e.g., DR)                                  | ST   |         | 30   | O    | ..    |          |
| 8     | Referring Doctor                                   | XCN  | HL70010 | 3002 | O    | 0..*  |          |
| 8.1   | ID number (ST)                                     | ST   |         | 15   | O    | ..    |          |
| 8.2   | family name  | FN   |         | 244  | O    | ..    |          |
| 8.2.1 | surname  | ST   |         | 100  | O    | ..    |          |
| 8.3   | given name   | ST   |         | 30   | O    | ..    |          |
| 8.4   | second and further given names or initials thereof | ST   |         | 12   | O    | ..    |          |

| Seq.   | Name                | Type | Table   | Len. | Opt. | Card. | Contents            |
|--------|---------------------|------|---------|------|------|-------|---------------------|
| 8.6    | prefix (e.g., DR)   | ST   |         | 30   | O    | ..    |                     |
| 15     | Ambulatory Status   | IS   | HL70009 | 3    | O    | 0..1  |                     |
| 16     | VIP Indicator       | IS   | HL70099 | 3    | O    | 0..1  |                     |
| 18     | Patient Type        | IS   |         | 10   | O    | 0..1  | e.g. A1             |
| 19     | Visit Number        | CX   |         | 1913 | O    | 0..1  |                     |
| 19.1   | ID                  | ST   |         | 20   | O    | ..    | e.g. 4646464        |
| 19.4   | assigning authority | HD   |         | 257  | O    | ..    |                     |
| 19.4.1 | namespace ID        | IS   |         | 50   | O    | ..    | e.g. HIS1           |
| 44     | Admit Date/Time     | TS   |         | 26   | O    | 0..1  |                     |
| 44.1   | Date/Time           | NM   |         | 14   | O    | ..    | e.g. 19990405153054 |

## 2. Patient Class

Patient Class linked to the visit (received from the HIS)

## 3. Assigned Patient Location

Location of the patients bed at the time of generation of the ORM message.

### 3.1. point of care

Care unit Parameter: ServiceId

#### 3.4.1. namespace ID

Hospital code

### 7.1. ID number (ST)

Parameter : DoctorId

### 8.1. ID number (ST)

Parameter : DoctorId

### 19.1. ID

Visit number linked to the service request

**End of segment group PATIENT\_VISIT**

**End of segment group PATIENT**

## Segment group: ORDER

- Usage: Required

- Cardinality: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. SC       |
| 2    | Placer Order Number | EI   |         | 427  | O    | 0..1  |               |
| 2.1  | entity identifier   | ST   |         | 50   | O    | ..    | e.g. 00046    |
| 2.2  | namespace ID        | IS   |         | 20   | O    | ..    | e.g. HIS1     |
| 2.3  | universal ID        | ST   |         | 1    | O    | ..    |               |
| 3    | Filler Order Number | EI   |         | 427  | R    | 1..1  |               |
| 3.1  | entity identifier   | ST   |         | 50   | R    | ..    | e.g. 00000027 |

| Seq.   | Name   | Type | Table   | Len. | Opt. | Card. | Contents                  |
|--------|--|------|---------|------|------|-------|---------------------------|
| 3.2    | namespace ID                                       | IS   |         | 100  | R    | ..    | e.g. RX                   |
| 4      | Placer Group Number                                | EI   |         | 427  | O    | 0..1  |                           |
| 4.1    | entity identifier                                  | ST   |         | 50   | O    | ..    |                           |
| 5      | Order Status                                       | ID   | HL70038 | 2    | R    | 1..1  | e.g. IP                   |
| 7      | Quantity/Timing                                    | TQ   |         | 1545 | R    | 1..*  |                           |
| 7.4    | start date/time                                    | TS   |         | 16   | R    | ..    |                           |
| 7.4.1  | Date/Time  | NM   |         | 14   | R    | ..    | e.g. 20050401141500       |
| 7.6    | priority   | ST   |         | 1    | O    | ..    | e.g. R                    |
| 10     | Entered By   | XCN  |         | 3002 | O    | 0..*  |                           |
| 10.1   | ID number (ST)                                     | ST   |         | 40   | O    | ..    | e.g. QUADRAT              |
| 12     | Ordering Provider                                  | XCN  |         | 3002 | O    | 0..*  |                           |
| 12.1   | ID number (ST)                                     | ST   |         | 20   | O    | ..    | e.g. REQDOC1              |
| 12.2   | family name  | FN   |         | 244  | O    | ..    |                           |
| 12.2.1 | surname  | ST   |         | 100  | O    | ..    | e.g. Requesting Physician |
| 12.3   | given name   | ST   |         | 30   | O    | ..    | e.g. John                 |
| 12.4   | second and further given names or initials thereof | ST   |         | 30   | O    | ..    |                           |
| 12.6   | prefix (e.g., DR)                                  | ST   |         | 30   | O    | ..    | e.g. Dr .                 |
| 13     | Enterer's Location                                 | PL   |         | 1230 | O    | 0..1  |                           |
| 13.1   | point of care                                      | IS   |         | 100  | O    | ..    | e.g. ORTHO                |
| 16     | Order Control Code Reason                          | CE   |         | 483  | O    | 0..1  |                           |
| 17     | Entering Organization                              | CE   |         | 483  | O    | 0..1  |                           |
| 17.1   | identifier   | ST   |         | 20   | O    | ..    | e.g. FAC1                 |
| 17.2   | text   | ST   |         | 30   | O    | ..    | e.g. Facility Name        |
| 21     | Ordering Facility Name                             | XON  |         | 567  | O    | 0..*  |                           |
| 21.1   | organization name                                  | ST   |         | 100  | O    | ..    |                           |
| 24     | Ordering Provider Address                          | XAD  |         | 631  | O    | 0..1  |                           |
| 24.1   | street address (SAD)                               | SAD  |         | 572  | O    | ..    |                           |
| 24.1.1 | street or mailing address                          | ST   |         | 508  | O    | ..    |                           |
| 24.3   | city   | ST   |         | 30   | O    | ..    |                           |
| 24.5   | zip or postal code                                 | ST   |         | 7    | O    | ..    |                           |
| 25     | Order Status Modifier                              | CWE  |         | 705  | O    | 0..1  |                           |
| 25.1   | identifier (ST)                                    | ST   |         | 2    | O    | ..    | e.g. A                    |
| 25.2   | text   | ST   |         | 30   | O    | ..    | e.g. PATIENT ARRIVED      |

## 1. Order Control

\* When an order is created in RIS the field will contain "NW" \* In case of a pure status update the field will contain "SC" \* When the order was canceled in the RIS the field will contain "CA"

## 2. Placer Order Number

Identifier of the order in the order placer system. Depends on parameter ORC\_2\_PlacerOrderNumber

## 3. Filler Order Number

AGFA RIS Order Identifier

### 3.1. entity identifier

Depends on parameter ORC\_3\_FillerOrderNumber

### 3.2. namespace ID

Performing department ID

### 4. Placer Group Number

If the order placer supports order procedure grouping this field will contain the group number received from the order placer. Depends on parameter UseExamGrouping (boolean)

### 5. Order Status

CA=canceled CM=completed DC=discontinued HD=on hold IP=in progress SC=in progress scheduled  
Depends on parameter MapExamStatus

#### 7.4.1. Date/Time

Date/time the exam is performed

### 7.6. priority

S=STAT A=ASAP R=ROUTINE P=PREOP C=CALLBACK T=TIMING CRITICAL PRN=AS  
NEEDED Depends on parameter MapOrderPriority

### 10.1. ID number (ST)

User that last changed the order in RIS

### 12. Ordering Provider

Requesting physician

#### 12.1. ID number (ST)

HIS Code of the physician

### 13. Enterer's Location

Requesting department

### 17. Entering Organization

Requesting hospital/facility

### 21. Ordering Facility Name

Requesting Department

### 24. Ordering Provider Address

Address of the requesting physician

### 25. Order Status Modifier

RIS Procedure status (codes and descriptions are configured via QManager) Examples: A^PATIENT  
ARRIVED S^PROCEDURE STARTED F^PROCEDURE FINISHED

## Segment group: ORDER DETAIL

- Usage: Required but may be empty
- Cardinality: 0..1

## OBR - Observation Request

- Usage: Required
- Cardinality: 1..1

| Seq. | Name                | Type | Table | Len. | Opt. | Card. | Contents   |
|------|---------------------|------|-------|------|------|-------|------------|
| 2    | Placer Order Number | EI   |       | 427  | O    | 0..1  |            |
| 2.1  | entity identifier   | ST   |       | 50   | O    | ..    | e.g. 00046 |
| 2.2  | namespace ID        | IS   |       | 20   | O    | ..    | e.g. HIS1  |
| 2.3  | universal ID        | ST   |       | 3    | O    | ..    |            |

| Seq.   | Name   | Type | Table   | Len. | Opt. | Card. | Contents                        |
|--------|--|------|---------|------|------|-------|---------------------------------|
| 2.4    | universal ID type                                  | ID   | HL70301 | 3    | O    | ..    |                                 |
| 3      | Filler Order Number                                | EI   |         | 427  | R    | 1..1  |                                 |
| 3.1    | entity identifier                                  | ST   |         | 50   | O    | ..    | e.g. 000000027                  |
| 3.2    | namespace ID                                       | IS   |         | 100  | O    | ..    | e.g. RX                         |
| 3.3    | universal ID                                       | ST   |         | 3    | O    | ..    |                                 |
| 3.4    | universal ID type                                  | ID   | HL70301 | 3    | O    | ..    |                                 |
| 4      | Universal Service Identifier                       | CE   |         | 483  | O    | 0..1  |                                 |
| 4.1    | identifier   | ST   |         | 64   | O    | ..    | e.g. RXTHORAX                   |
| 4.2    | text   | ST   |         | 250  | O    | ..    | e.g. RX Thorax                  |
| 4.3    | name of coding system                              | IS   |         | 100  | O    | ..    | e.g. L                          |
| 4.4    | alternate identifier                               | ST   |         | 20   | O    | ..    |                                 |
| 4.5    | alternate text                                     | ST   |         | 100  | O    | ..    |                                 |
| 4.6    | name of alternate coding system                    | IS   |         | 8    | O    | ..    |                                 |
| 5      | Priority   | ID   |         | 3    | O    | 0..1  | e.g. R                          |
| 6      | Requested Date/Time                                | TS   |         | 26   | R    | 1..1  |                                 |
| 6.1    | Date/Time  | NM   |         | 14   | R    | ..    | e.g. 20050401141500             |
| 7      | Observation Date/Time #                            | TS   |         | 26   | R    | 1..1  |                                 |
| 7.1    | Date/Time  | NM   |         | 14   | R    | ..    | e.g. 20050401141500             |
| 13     | Relevant Clinical Info.                            | ST   |         | 2048 | O    | 0..1  | e.g. Patient had a car accident |
| 16     | Ordering Provider                                  | XCN  |         | 3002 | O    | 0..*  |                                 |
| 16.1   | ID number (ST)                                     | ST   |         | 20   | O    | ..    | e.g. REQDOC1                    |
| 16.2   | family name  | FN   |         | 244  | O    | ..    |                                 |
| 16.2.1 | surname  | ST   |         | 100  | O    | ..    |                                 |
| 16.3   | given name   | ST   |         | 30   | O    | ..    |                                 |
| 16.4   | second and further given names or initials thereof | ST   |         | 30   | O    | ..    |                                 |
| 16.6   | prefix (e.g., DR)                                  | ST   |         | 30   | O    | ..    |                                 |
| 18     | Placer Field 1                                     | ST   |         | 30   | O    | 0..1  | e.g. 000000027                  |
| 19     | Placer Field 2                                     | ST   |         | 15   | O    | 0..1  | e.g. 000000027                  |
| 20     | Filler Field 1 +                                   | ST   |         | 10   | O    | 0..1  | e.g. 458                        |
| 24     | Diagnostic Serv Sect ID                            | ID   |         | 100  | O    | 0..1  | e.g. CR                         |
| 27     | Quantity/Timing                                    | TQ   |         | 1545 | R    | 1..*  |                                 |
| 27.4   | start date/time                                    | TS   |         | 16   | R    | ..    |                                 |
| 27.4.1 | Date/Time  | NM   |         | 14   | R    | ..    | e.g. 20050401141500             |
| 27.6   | priority   | ST   |         | 3    | O    | ..    | e.g. R                          |
| 28     | Result Copies To                                   | XCN  |         | 3002 | O    | 0..*  |                                 |
| 28.1   | ID number (ST)                                     | ST   |         | 15   | O    | ..    | e.g. REQDOC2                    |
| 28.2   | family name  | FN   |         | 163  | O    | ..    |                                 |
| 28.2.1 | surname  | ST   |         | 100  | O    | ..    | e.g. Janssens                   |
| 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    | ..    |                                 |
| 28.3   | given name   | ST   |         | 30   | O    | ..    | e.g. Johnny                     |

| Seq.   | Name   | Type   | Table | Len. | Opt. | Card. | Contents                         |
|--------|--|--------|-------|------|------|-------|----------------------------------|
| 31     | Reason for Study                                   | CE     |       | 483  | O    | 0..1  |                                  |
| 31.2   | text   | ST     |       | 1000 | O    | ..    | e.g. Heave pain in the upper arm |
| 32     | Principal Result Interpreter +                     | CM_NDL |       | 835  | O    | 0..1  |                                  |
| 32.1   | name   | CN     |       | 244  | O    | ..    |                                  |
| 32.1.1 | ID number (ST)                                     | ST     |       | 15   | O    | ..    | e.g. 9784                        |
| 32.1.2 | family name  | FN     |       | 112  | O    | ..    |                                  |
| 32.1.3 | given name   | ST     |       | 30   | O    | ..    | e.g. Sofie                       |
| 32.1.4 | second and further given names or initials thereof | ST     |       | 30   | O    | ..    |                                  |
| 34     | Technician +                                       | CM_NDL |       | 835  | O    | 0..*  |                                  |
| 34.1   | name   | CN     |       | 149  | O    | ..    |                                  |
| 34.1.1 | ID number (ST)                                     | ST     |       | 20   | O    | ..    | e.g. TECH1                       |
| 34.1.2 | family name  | FN     |       | 42   | O    | ..    |                                  |
| 34.5   | room   | IS     |       | 10   | O    | ..    | e.g. RXROOM1                     |
| 35     | Technician +                                       | CM_NDL |       | 835  | O    | 0..1  |                                  |
| 35.1   | name   | CN     |       | 127  | O    | ..    |                                  |
| 35.1.1 | ID number (ST)                                     | ST     |       | 20   | O    | ..    | e.g. TECH2                       |
| 35.1.2 | family name  | FN     |       | 20   | O    | ..    |                                  |
| 35.5   | room   | IS     |       | 10   | O    | ..    | e.g. TEST                        |
| 37     | Scheduled Date/Time +                              | TS     |       | 26   | R    | 1..1  |                                  |
| 37.1   | Date/Time  | NM     |       | 14   | R    | ..    | e.g. 20050401141500              |
| 46     | Procedure Code Modifier                            | CE     |       | 483  | O    | 0..1  |                                  |
| 46.1   | identifier   | ST     |       | 20   | O    | ..    | e.g. PP                          |

## 2. Placer Order Number

Same as ORC-2

## 3. Filler Order Number

Same as ORC-3

## 4. Universal Service Identifier

Procedure Code. Depending on parameter UseExamOrderMappings we can use the order placer procedure id or the RIS procedure id. If you've chosen to use the RIS procedure id, depending on parameter UseAlternateIDInOBR4 the QPlanner or QDoc procedure is used.

### 4.4. alternate identifier

If order placer procedures are used, this field contains the order placer alternate procedure id.

### 4.5. alternate text

action\_items.acit\_description

## 5. Priority

Copied from ORC-7-6

## 6. Requested Date/Time

Date/Time the order was received by the radiology department.

## 7. Observation Date/Time #

Date/Time the exam was performed

## 16. Ordering Provider

Requesting physician (copy from ORC-12)

## 18. Placer Field 1

Accession Number (RIS generated) Depends on ris parameter HL7PACS.AccessionNr

## 19. Placer Field 2

Requested procedure ID Depends on parameter OBR\_19\_PlacerField2

## 20. Filler Field 1 +

Scheduled Procedure Step ID OR Number of report copies that should be printed for the requesting physician Depends on parameter OBR\_20\_FillerField1

## 24. Diagnostic Serv Sect ID

Performing department or Modality DICOM Type Depends on parameter OBR\_24\_DiagnosticServSectID (1/2)

## 27. Quantity/Timing

Copied from ORC-7

## 28. Result Copies To

Physicians that will receive a copy of the report

## 32. Principal Result Interpreter +

Performing physician

### 32.1.1. ID number (ST)

Value depends on parameter DoctorId

## 34. Technician +

List of technicians

### 34.5. room

Room where the exam is performed

### 37.1. Date/Time

Date/Time the exam is performed

## 46. Procedure Code Modifier

Comment linked to the paymode specified in the service request.

## ZDS - IHE imaging custom segment

- Usage: Required but may be empty

- Cardinality: 0..1

| Seq.  | Name               | Type | Table | Len. | Opt. | Card. | Contents                             |
|-------|--------------------|------|-------|------|------|-------|--------------------------------------|
| 1     | Study Instance UID | RP   |       | 273  | R    | 1..1  |                                      |
| 1.1   | Reference Pointer  | ST   |       | 64   | R    | ..    | e.g.<br>1.3.51.0.1.1.10.233.85.110.3 |
| 1.2   | application ID     | HD   |       | 228  | O    | ..    |                                      |
| 1.2.1 | namespace ID       | IS   |       | 20   | O    | ..    | e.g. QDOC                            |
| 1.3   | type of data       | ID   |       | 20   | R    | ..    | e.g. Application                     |
| 1.4   | subtype            | ID   |       | 10   | R    | ..    | e.g. DICOM                           |

### 1.1. Reference Pointer

DICOM compliant Study Instance UID value

### 1.2. application ID

---

QSender script parameter ZDS\_ApplicationID

**1.3. type of data**

Fixed value: Application

**1.4. subtype**

Fixed value: DICOM

***End of segment group ORDER\_DETAIL***

***End of segment group ORDER***