



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ORM_O01

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Message Profile

About this Conformance

This profile describes the ORM message structure used to import order messages from a 3rd party order filler application into Enterprise Imaging Ris.

ORM messages treated by this interface are seen as Orders from an Order placer system, and are available in the Order waiting list in Impax RIS.

The orders will appear in Enterprise Imaging Ris as if they were created with Receptionist's desktop application.

The use case is described in the IHE Radiology Technical Framework - Chapter 4.4 & Chapter 4.13.

- * Transaction 4 : Procedure Scheduled.

- * Transaction 13: Procedure Update

Remarks:

Segments present in the message structure, but marked as -not supported- are allowed to be present in the message, but are not processed. The same counts for fields, components, subcomponents marked as not supported.

Conformance parameters

Message Profile

- HL7 Version: 2.3, 2.3.1, 2.4, 2.5

- Profile Type: Constrainable

- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-profile-accAL_accNE-Immediate

Encoding Method

ER7



Interaction 1

Dynamic Definition

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

Static Definition

- Message Type: ORM
- Trigger Event: O01
- Message Structure: ORM_O01
- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-static-ORM-O01-null-ORM_O01-V1.0-DRAFT-Receiver

Message structure

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

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Field Separator	R	1..1	ST		
2	Encoding Characters	R	1..1	ST		
3	Sending Application	O	0..1	HD	HL70361	
3.1	namespace ID	O	0..	IS	HL70363	
4	Sending Facility	O	0..1	HD	HL70362	
4.1	namespace ID	O	0..	IS	HL70363	
4.2	universal ID	O	0..	ST		
4.3	universal ID type	O	0..	ID	HL70301	
7	Date/Time Of Message	O	0..1	TS		
7.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
9	Message Type	R	1..1	CM_MSG	HL70076	
9.1	message type	R	1..1	ID	HL70076	e.g. ORM
9.2	trigger event	R	1..1	ID	HL70003	e.g. 001
9.3	message structure	O	0..	ID	HL70354	e.g. ORM_O01
10	Message Control ID	R	1..1	ST		
12	Version ID	R	1..1	VID	HL70104	
12.1	version ID	R	1..1	ID	HL70104	e.g. 2.4
18	Character Set	O	0..1	ID	HL70211	

1. Field Separator**2. Encoding Characters****3. Sending Application****4. Sending Facility****7. Date/Time Of Message****7.1. Date/Time**

YYYYMMDD[HHMM[SS]][+ -ZZZ Z]

If timezone information is present, it is taken into account for all date/time fields in the message. If timezone information is present also in other datetime fields, it overrules the timezone information in this field.

9. Message Type**9.1. message type**

ORM

9.2. trigger event

O01

9.3. message structure

ORM_O01

10. Message Control ID**12. Version ID**

Highest supported version 2.5

18. Character Set**Segment group: PATIENT**

- Usage: Required
- Cardinality:1..1

PID - Patient identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Patient Identifier List	R	1..*	CX		
3.1	ID	R	1..1	ST		
3.4	assigning authority	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70363	



Seq.	Name	Opt.	Card.	Type	Table	Contents
3.5	identifier type code (ID)	O	0..	ID	HL70203	
3.6	assigning facility	O	0..	HD		
3.6.1	namespace ID	O	0..	IS	HL70363	
3.7	effective date (DT)	O	0..	DT		
3.8	expiration date	O	0..	DT		
5	Patient Name	R	1..*	XPN		
5.1	family name	R	1..1	FN		
5.1.1	surname	R	1..1	ST		
5.1.2	own surname prefix	O	0..	ST		
5.1.3	own surname	O	0..	ST		
5.2	given name	O	0..	ST		
5.3	second and further given names or initials thereof	O	0..	ST		
5.4	suffix (e.g., JR or III)	O	0..	ST		
5.5	prefix (e.g., DR)	O	0..	ST		
5.7	name type code	O	0..	ID	HL70200	
5.8	Name Representation code	O	0..	ID	HL70465	
7	Date/Time Of Birth	O	0..1	TS		
7.1	Date/Time	O	0..	NM		
8	Administrative Sex	O	0..1	IS	HL70001	
11	Patient Address	O	0..*	XAD		
11.1	street address (SAD)	O	0..	SAD		
11.1.1	street or mailing address	O	0..	ST		
11.1.2	street name	O	0..	ST		
11.1.3	dwelling number	O	0..	ST		
11.2	other designation	O	0..	ST		
11.3	city	O	0..	ST		
11.4	state or province	O	0..	ST		
11.5	zip or postal code	O	0..	ST		
11.6	country	O	0..	ID	HL70399	
11.7	address type	O	0..	ID	HL70190	
11.8	other geographic designation	O	0..	ST		
11.9	county/parish code	O	0..	IS	HL70289	
11.12	address validity range	O	0..	DR		
11.12.1	range start date/time	O	0..	TS		
11.12.2	range end date/time	O	0..	TS		
13	Phone Number - Home	O	0..1	XTN		

Seq.	Name	Opt.	Card.	Type	Table	Contents
13.1	Telephone Number	O	0..	TN		
13.2	telecommunication use code	R	1..1	ID	HL70201	
13.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
13.4	Email address	O	0..	ST		
14	Phone Number - Business	O	0..1	XTN		
14.1	Telephone Number	O	0..	TN		
14.2	telecommunication use code	R	1..1	ID	HL70201	
14.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
14.4	Email address	O	0..	ST		
19	SSN Number - Patient	O	0..1	ST		
23	Birth Place	O	0..1	ST		
29	Patient Death Date and Time	C	0..1	TS		
29.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
30	Patient Death Indicator	O	0..1	ID	HL70136	

3. Patient Identifier List

3.1. ID

Identification number or code for the patient.

3.4.1. namespace ID

Identifier of the Assigning Authority that issued the patient id.

If not available the default patient assigning authority for the system will be used.

3.5. identifier type code (ID)

Supported values:

- PI = Patient Primary Identifier
- SS = Social Security number

If empty PI will be used by default

5. Patient Name

5.1.1. surname

Patient's lastname

5.1.2. own surname prefix

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

5.1.3. own surname

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

**5.2. given name**

Patient's firstname

5.4. suffix (e.g., JR or III)

Patient's suffix

5.5. prefix (e.g., DR)

Patient's prefix

5.7. name type code

M = maiden name, only support storing last name for maiden name.

5.8. Name Representation code

Supported are :

- A = Alphabetic
- I = Ideographic
- P = Phonetic

7. Date/Time Of Birth**7.1. Date/Time**

format YYYYMMDDHHMMSS

8. Administrative Sex**11. Patient Address****11.1. street address (SAD)**

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

11.1.1. street or mailing address

This is used when SAD-2 (Street Name) is empty

11.1.2. street name

Name of the street.

11.1.3. dwelling number

House number.

11.3. city

Municipality code of the city.

If field is empty, the city will be listed as 'Unknown' (code UKW).

11.4. state or province

Is always the highest region level, but there can be a lower subdividing region level for a state or province.

**11.5. zip or postal code**

Zip or postal code of the city.

11.6. country

A 3-digit code defining the county.

This is necessary in EI for the address segment to be processed.

It defaults to UKW (Unknown country) when left empty.

11.7. address type

O (office), H (home address) are supported.

L (Legal Address) defaults to office and the rest defaults to H (home address)

13. Phone Number - Home

Segment is used for all home communication.

First one is the primary home communication channel.

13.1. Telephone Number

In case of telephone number/fax number/cellular number, the phone number is put in this field
[(999)] 999-9999 [X99999][C any text]

13.2. telecommunication use code

Required. If this is empty the communication cannot be registered.

Supported are:

- Primary Residence Number (PRN)
- Work Number (WPN)
- Other Residence Number (ORN)
- Network (email) Address (NET)

13.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

Supported are:

- Telephone (PH)
- Fax (FX)
- Cellular Phone (CP)
- Internet Address (Internet)

13.4. Email address

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

14. Phone Number - Business

Segment is used for all business communication.

First one is the primary business channel.

14.1. Telephone Number

In case of telephone number/fax number/cellular number, the phone number is put in this field
[(999)] 999-9999 [X99999][C any text]

**14.2. telecommunication use code**

Required. If this is empty the communication cannot be registered.

Supported are:

- Primary Residence Number (PRN)
- Work Number (WPN)
- Other Residence Number (ORN)
- Network (email) Address (NET)

14.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

Supported are:

- Telephone (PH)
- Fax (FX)
- Cellular Phone (CP)
- Internet Address (Internet)

14.4. Email address

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

19. SSN Number - Patient**23. Birth Place****29. Patient Death Date and Time**

YYYYMMDDHHMMSS or ""

Condition Predicate:

If PID.30 has a value, this field also needs a value.

29.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information available in MSH-7

30. Patient Death Indicator

Y or N

Segment group: PATIENT.PATIENT VISIT

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



PV1 - Patient visit

- Usage: Optional

- Cardinality:0..1

- Implementation note: An unexisting admission will be created depending on the value of ORM inbound pipeline property "Create admission". Existing Admissions will be updated when sending ORM message depending on the value of ORM inbound property "Update admission".

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - PV1	O	0..1	SI		
2	Patient Class	R	1..1	IS	HL70004	
3	Assigned Patient Location	O	0..1	PL		
3.1	point of care	O	0..	IS	HL70302	
3.2	room	O	0..	IS	HL70303	
3.3	bed	O	0..	IS	HL70304	
3.4	facility (HD)	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70300	
3.11	assigning authority for location	O	0..	HD		
3.11.1	namespace ID	O	0..	IS	HL70300	
4	Admission Type	O	0..1	IS	HL70007	
7	Attending Doctor	O	0..1	XCN	HL70010	
7.1	ID number (ST)	O	0..	ST		
7.2	family name	O	0..	FN		
7.2.1	surname	O	0..	ST		
7.2.2	own surname prefix	O	0..	ST		
7.2.3	own surname	O	0..	ST		
7.2.4	surname prefix from partner/spouse	O	0..	ST		
7.2.5	surname from partner/spouse	O	0..	ST		
7.3	given name	O	0..	ST		
7.9	assigning authority	O	0..	HD		
7.9.1	namespace ID	O	0..	IS	HL70363	
8	Referring Doctor	O	0..1	XCN	HL70010	
8.1	ID number (ST)	O	0..	ST		
8.2	family name	O	0..	FN		
8.2.1	surname	O	0..	ST		
8.2.2	own surname prefix	O	0..	ST		
8.2.3	own surname	O	0..	ST		
8.2.4	surname prefix from partner/spouse	O	0..	ST		
8.2.5	surname from partner/spouse	O	0..	ST		
8.3	given name	O	0..	ST		
8.9	assigning authority	O	0..	HD		

Seq.	Name	Opt.	Card.	Type	Table	Contents
8.9.1	namespace ID	O	0..	IS	HL70363	
15	Ambulatory Status	O	0..1	IS	HL70009	
16	VIP Indicator	O	0..1	IS	HL70099	
17	Admitting Doctor	O	0..1	XCN	HL70010	
17.1	ID number (ST)	O	0..	ST		
17.2	family name	O	0..	FN		
17.2.1	surname	O	0..	ST		
17.2.2	own surname prefix	O	0..	ST		
17.2.3	own surname	O	0..	ST		
17.2.4	surname prefix from partner/spouse	O	0..	ST		
17.2.5	surname from partner/spouse	O	0..	ST		
17.3	given name	O	0..	ST		
17.9	assigning authority	O	0..	HD		
17.9.1	namespace ID	O	0..	IS	HL70363	
18	Patient Type	O	0..1	IS	HL70018	
19	Visit Number	O	0..1	CX		
19.1	ID	O	0..	ST		
19.3	code identifying the check digit scheme employed	O	0..	ID	HL70061	
19.4	assigning authority	O	0..	HD		
19.4.1	namespace ID	O	0..	IS	HL70363	
19.4.2	universal ID	O	0..	ST		
19.4.3	universal ID type	O	0..	ID	HL70301	
44	Admit Date/Time	O	0..1	TS		
44.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
44.2	degree of precision	O	0..	ST		e.g. D
45	Discharge Date/Time	O	0..1	TS		
45.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600

1. Set ID - PV1

2. Patient Class

Patient Class.

3.1. point of care

3.1. point of care Patient's location department code. When an unexisting department code is used, the department will be autocreated.

3.2. room

Room in the department



3.3. bed

Bed in the room

3.4.1. namespace ID

Partient's location facility code.

When an unexisting facility code is used, the facility will be autocreated.

3.11.1. namespace ID

Assigning authority of the issuer of department/facility code.

4. Admission Type

Type of admission, the circumstances under which the patient was or will be admitted.

7. Attending Doctor

Attending physician information.

8. Referring Doctor

Refering physician information.

15. Ambulatory Status

Code indicating any permanent or transient handicapped conditions.

16. VIP Indicator

This field identifies the type of VIP.

- 1, set VIP or personnel as yes

- 0, set as no

17. Admitting Doctor

Admitting physician information.

18. Patient Type

Site-specific values that identify the patient type.

19. Visit Number

19.1. ID

Unique number identifying the admission.

44. Admit Date/Time

44.1. Date/Time

YYYYMMDD[HHHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

44.2. degree of precision

Retained for backward compatibility only



45. Discharge Date/Time

45.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

End of segment group PATIENT.PATIENT_VISIT

End of segment group PATIENT

Segment group: ORDER

- Usage: Required

- Cardinality:1..1

ORC

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Order Control	R	1..1	ID	HL70119	
2	Placer Order Number	O	0..1	EI		
2.1	entity identifier	O	0..	ST		
2.2	namespace ID	O	0..	IS	HL70363	
3	Filler Order Number	R	1..1	EI		
3.1	entity identifier	R	1..1	ST		
3.2	namespace ID	O	0..	IS	HL70363	
5	Order Status	O	0..1	ID	HL70038	
7	Quantity/Timing	O	0..*	TQ		
7.4	start date/time	O	0..	TS		
7.4.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
7.5	end date/time	O	0..	TS		
7.5.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
7.6	priority	O	0..	ST		
9	Date/Time of Transaction	O	0..1	TS		
9.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
12	Ordering Provider	O	0..1	XCN		
12.1	ID number (ST)	R	1..1	ST		
12.2	family name	R	1..1	FN		
12.2.1	surname	R	1..1	ST		
12.3	given name	O	0..	ST		
12.9	assigning authority	O	0..	HD		



Seq.	Name	Opt.	Card.	Type	Table	Contents
12.9.1	namespace ID	O	0..	IS	HL70363	
15	Order Effective Date/Time	O	0..1	TS		
15.1	Date/Time	O	0..	NM		e.g. 20040328134602.1234+0600
17	Entering Organization	O	0..1	CE		
17.1	identifier	R	1..1	ST		
17.2	text	O	0..	ST		
17.3	name of coding system	O	0..	IS	HL70396	
21	Ordering Facility Name	O	0..*	XON		
21.1	organization name	O	0..	ST		
21.3	ID number (NM)	R	1..1	NM		
21.6	assigning authority	O	0..	HD		
21.6.1	namespace ID	R	1..1	IS	HL70363	

1. Order Control

Supported:

- NW (New order)
- SC/XO/XX(Change Order)
- CA (Cancel Order)
- DC (Discontinue order)

2. Placer Order Number

3. Filler Order Number

3.1. entity identifier

filler order number

3.2. namespace ID

Assigning authority issuing the fillerOrderNumber.

If empty, the default assigning authority will be taken.

5. Order Status

Supported:

- empty no status change
- IP, set SPS status as STARTED
- CM set SPS status as COMPLETED
- DC, set SPS status as DISCONTINUED
- CA set SPS status as CANCELLED
- SC, set SPS status as Ordered/Scheduled
- PA, set SPS status as Ordered/Scheduled + set patient arrived flag to True

7. Quantity/Timing

Identical to the Quantity/Timing in OBR-Segment



If values provided in these fields differ, EI will consider value provided in OBR-27.

7.4.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

7.5.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

7.6. priority

1) For existing sites (migration)

- High Priority codes: A, T
- Normal Priority codes: S, Unknown*
- Low Priority Codes: C, P, R

2) For new installations

- STAT priority code: S
- Urgent priority codes: A, T
- High Priority code: C
- Normal Priority codes: P, Unknown*
- Routine Priority Code: R

These values are configurable.

* A value for which no mapping is applicable.

9. Date/Time of Transaction

Fall back for ORC.15 being empty.

Used as order creation date/time.

When empty, the Date/Time of processing the message is taken

9.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

12. Ordering Provider

If this is not filled in OBR-16 is processed instead.

12.2.1. surname

String that represents Ordering Provider Lastname.

15. Order Effective Date/Time

Fall back for OBR.6 being empty.

Used as order creation date/time.

When empty, ORC.9 is taken.

**15.1. Date/Time**

YYYYMMDD[HHMM[SS[.SSSS]]][+ -ZZZ Z]

17. Entering Organization

Requesting Department.

17.1. identifier

Code of the department.

17.2. text

Name of the department.

If empty, the identifier will be taken as name.

17.3. name of coding system

Identifier of the Assigning Authority that issued the department id.

If empty, the default system assigning authority will be taken.

21. Ordering Facility Name

Requesting Hospital

21.1. organization name

Name of the hospital.

If empty, the identifier of the requesting facility will be taken as name.

21.3. ID number (NM)

Identifier of the hospital.

21.6. assigning authority

Identifier of the Assigning Authority that issued the hospital id.

If empty, the default assigning authority will be taken.

21.6.1. namespace ID

Assigning authority that issues the identifier.

Segment group: ORDER.ORDER DETAIL - ORDER.ORDER.ORDER DETAIL

- Usage: Required

- Cardinality:1..1

OBR

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBR	O	0..1	SI		e.g. 1
2	Placer Order Number	O	0..1	EI		
2.1	entity identifier	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
2.2	namespace ID	O	0..	IS	HL70363	
3	Filler Order Number	R	1..1	EI		
3.1	entity identifier	R	1..1	ST		
3.2	namespace ID	O	0..	IS	HL70363	
4	Universal Service Identifier	R	1..1	CE		
4.1	identifier	R	1..1	ST		
4.2	text	O	0..	ST		
4.3	name of coding system	O	0..	IS	HL70396	
4.4	alternate identifier	O	0..	ST		
4.5	alternate text	O	0..	ST		
4.6	name of alternate coding system	O	0..	IS	HL70396	
6	Requested Date/Time	O	0..1	TS		
6.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
13	Relevant Clinical Info.	O	0..1	ST		
16	Ordering Provider	O	0..1	XCN		
16.1	ID number (ST)	O	0..	ST		
16.2	family name	O	0..	FN		
16.2.1	surname	O	0..	ST		
16.3	given name	O	0..	ST		
16.9	assigning authority	O	0..	HD		
16.9.1	namespace ID	O	0..	IS	HL70363	
18	Placer Field 1	C	0..1	ST		
19	Placer Field 2	R	1..1	ST		
20	Filler Field 1 +	R	1..1	ST		
24	Diagnostic Serv Sect ID	O	0..1	ID	HL70074	
27	Quantity/Timing	O	0..*	TQ		
27.4	start date/time	O	0..	TS		
27.4.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
27.5	end date/time	O	0..	TS		
27.5.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
27.6	priority	O	0..	ST		
31	Reason for Study	O	0..2	CE		
31.1	identifier	O	0..	ST		
31.2	text	O	0..	ST		
32	Principal Result Interpreter +	O	0..1	CM_NDL		
32.1	name	O	0..	CN		
32.1.1	ID number (ST)	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
32.1.2	family name	O	0..	FN		
32.1.3	given name	O	0..	ST		
32.1.4	second and further given names or initials thereof	O	0..	ST		
32.1.5	suffix (e.g., JR or III)	O	0..	ST		
32.1.6	prefix (e.g., DR)	O	0..	ST		
32.1.9	assigning authority	O	0..	HD		
34	Technician +	O	0..1	CM_NDL		
34.5	room	O	0..	IS	HL70303	
36	Scheduled Date/Time +	O	0..1	TS		
36.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
43	Planned Patient Transport Comment	O	0..*	CE		
43.1	identifier	O	0..	ST		
43.2	text	O	0..	ST		
43.3	name of coding system	O	0..	IS	HL70396	

1. Set ID - OBR

2. Placer Order Number

Identical to ORC-2

3. Filler Order Number

Identical to ORC-3

4. Universal Service Identifier

4.1. identifier

The code of the requested procedure definition

4.2. text

The description of the requested procedure definition

4.3. name of coding system

Code of the performing department

Any value in OBR.43 will overrule this value.

Department will be created if not existing in EI.

The combination of OBR-4.3 and the default assigning authority is used in the lookup.

4.4. alternate identifier

The code of the scheduled procedure step definition

4.5. alternate text

The description of the scheduled procedure step definition



4.6. name of alternate coding system

Coding system providing the code.

If empty use issuer of order filler number. If there is no issuer for order filler number, use the default assigning authority.

6. Requested Date/Time

Used as order creation date/time.

When empty a fall back on ORC.15 and ORC.9 is done.

If both empty the Date/Time of processing the message is taken

6.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

13. Relevant Clinical Info.

16. Ordering Provider

The ordering provider should be the same as ORC-12.

If ORC-12 is filled in, this will not be processed.

18. Placer Field 1

Accession number of the request

Condition Predicate:

Field is required when the message has no StudyInstanceUid specified. (no ZDS segment)

19. Placer Field 2

The requested procedure ID

20. Filler Field 1 +

Scheduled Procedure Step ID

24. Diagnostic Serv Sect ID

Modality Type (Used when Procedure Definition is created on the fly)

27. Quantity/Timing

Identical to the Quantity/Timing in ORC- Segment.

If values provided in these fields differ, EI will consider value provided in OBR- 27.

27.4. start date/time

Used as the requested procedure scheduled study date/time and the scheduled procedure step start date/time.

When the value is empty, the value of OBR.36 is taken as requested procedure study date/time and scheduled procedure step start date/time.

27.4.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7



27.5. end date/time

Used as scheduled procedure step end date/time.

27.5.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZ Z]

If timezone information is present it overrules the timezone information if available in MSH-7

27.6. priority

1) For existing sites (migration)

- High Priority codes: A, T
- Normal Priority codes: S, Unknown*
- Low Priority Codes: C, P, R

2) For new installations

- STAT priority code: S
- Urgent priority codes: A, T
- High Priority code: C
- Normal Priority codes: P, Unknown*
- Routine Priority Code: R

These values are configurable.

* A value for which no mapping is applicable.

31. Reason for Study

31.2. text

Text containing clinical information for the study.

32. Principal Result Interpreter +

32.1.1. ID number (ST)

Code identifying the physician.

32.1.3. given name

Firstname of the physician.

32.1.4. second and further given names or initials thereof

Middle name of the physician.

34. Technician +

34.5. room

Acquisition room

36. Scheduled Date/Time +

Used for requested procedure scheduled study date/time and scheduled procedure step date/time when OBR.27.4 is empty.



36.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZ Z]

If timezone information is present it overrides the timezone information if available in MSH-7

43. Planned Patient Transport Comment

This field can be used to provide performing department.

When the performing department code provided in OBR-43.1 (with or without an issuer in OBR-43.3) is not found in the system, it will be created. When no name is present, the department code is used as the department name.

Another way to provide the performing department is by means of OBR-4.3 (universal service identifier) . If present the value will be used in combination with the default assigning authority in the lookup.

43.1. identifier

performing department code

43.2. text

performing department name

43.3. name of coding system

issuer of performing department code

NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Comment	O	0..*	FT		
4	Comment Type	O	0..1	CE	HL70364	
4.1	identifier	R	1..1	ST	HL70364	

3. Comment

4. Comment Type

This segment holds extra information on the order for this patient.

It is stored on order level and overwritten on updates.

4.1. identifier

Supported values:

- CI (clinical info)
- PC (procedure comment)

Segment group: ORDER.ORDER DETAIL.OBSERVATION

-

ORDER.ORDER.ORDER DETAIL.ORDER.ORDER DETAIL.OBSERVATION

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

OBX - Observation/Result

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBX	R	1..1	SI		
2	Value Type	R	1..1	ID	HL70125	
3	Observation Identifier	R	1..1	CE		
3.1	identifier	R	1..1	ST		
3.2	text	O	0..	ST		
4	Observation Sub-Id	O	0..1	ST		
5	Observation Value	R	1..1	*		
11	Observation Result Status	O	0..1	ID	HL70085	

1. Set ID - OBX

<DataType=SQ>

2. Value Type

Supported value(s)

- RP (For PDF/Image Attachment type)
- TX (For Text Attachment type)

3. Observation Identifier

3.1. identifier

1) OBX segment with attachment information:

Value of this field must correspond with an attachment code as defined in the Administrator desktop.

The following attachment codes are already delivered in dedicated HL7 fields and therefore should not be processed as attachments in OBX-segments:

- REASONFORSTUDY (OBR(31))
- PROCEDURECOMMENT (NTE(3))
- CLINICALINFO (OBR(13) or NTE(3))

Remark :

If the attachment code is not setup as a '_Study level' or '_Order level' or '_Report level'-attachment in the Administrator Desktop, the attachment will not be processed.

The reception of multiple attachments with the same attachment code OBX(3.1) is supported:

- PDF/Image type attachments:

when multiple attachments with the same attachment code are present, a new document/image is added per attachment

- Single value Text attachment:

when multiple attachments with the same attachment code are present, the text from all these attachments is concatenated. A newline character is used to separate the texts from the different attachments.

- Message board Text attachment:

when multiple attachments with the same attachment code are present, a separate text item is added to the message board per attachment.

2)OBX segment with Patient Arrived information:

Value of OBX-3 is PATIENT_ARRIVED

See following details.

The combination (OBX-2 = TX, OBX-3 = PATIENT_ARRIVED, OBX-5 = YES) indicates the patient's arrived status is true; whereas the combination (OBX-2 = TX, OBX-3 = PATIENT_ARRIVED, OBX-5 = NO) indicates the patient's arrived status is false.

3.2. text

Optional description of the Observation

4. Observation Sub-Id

5. Observation Value

Supported:

- plain text (in case of Text attachment type)
- path + file name (in case of PDF/Image attachment type)
- "" (delete all attachments with code present in OBX(3.1))
- YES/NO (in case of OBX-3 = PATIENT_ARRIVED)

11. Observation Result Status

End of segment group ORDER.ORDER_DETAIL.OBSERVATION

End of segment group ORDER.ORDER_DETAIL

End of segment group ORDER

ZDS

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Reference Pointer	R	1..1	RP		
1.1	pointer	R	1..1	ST		

1.1. pointer

An instance UID used by EI to identify the study.