



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ORU_R01

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Publication date:

1-2019

Publication number:

V1.0 (technical)

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Message Profile

Conformance parameters

Message Profile

- HL7 Version: 2.3, 2.3.1, 2.4, 2.5
- Profile Type: HL7
- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-profile-accNE_accAL-Deferred

Encoding Method

ER7



Interaction 1

Dynamic Definition

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

Static Definition

- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU_R01
- Topics: confsig-Agfa Healthcare-2.3, 2.3.1, 2.4, 2.5-static-ORU-R01-null-ORU_R01-V1.0-DRAFT-Receiver

Message structure

MSH { [PID [[PV1]]] { [ORC] OBR [NTE] { Only the last iteration ORDER_OBSERVATION this segment will be implemented. {OBX} } } }

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	
6	Receiving Facility	O	0..1	HD	HL70362	
6.1	namespace ID	O	0..	IS	HL70363	
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. ORU
9.2	trigger event	R	1..1	ID	HL70003	e.g. R01
9.3	message structure	O	0..	ID	HL70354	e.g. ORU_R01
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

6. Receiving 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

ORU

9.2. trigger event

R01

9.3. message structure

ORU_R01

10. Message Control ID

12. Version ID

Highest supported version 2.5

18. Character Set

Segment group: PATIENT_RESULT

- Usage: Required
- Cardinality:1..*

Segment group: PATIENT

- Usage: Optional
- Cardinality:0..1

PID - Patient identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Patient Identifier List	R	1..*	CX		



Seq.	Name	Opt.	Card.	Type	Table	Contents
3.1	ID	R	1..1	ST		
3.4	assigning authority	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70363	
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
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: VISIT

- Usage: Optional
- Cardinality: 0..1



PV1 - Patient visit

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
2	Patient Class	R	1..1	IS	HL70004	
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		
17.4	second and further given names or initials thereof	O	0..	ST		
17.5	suffix (e.g., JR or III)	O	0..	ST		
17.6	prefix (e.g., DR)	O	0..	ST		
17.7	degree (e.g., MD)	O	0..	IS	HL70360	
17.8	source table	O	0..	IS	HL70297	
17.9	assigning authority	O	0..	HD		
17.9.1	namespace ID	O	0..	IS	HL70363	
17.9.2	universal ID	O	0..	ST		
17.9.3	universal ID type	O	0..	ID	HL70301	
17.10	name type code	O	0..	ID	HL70200	
17.11	identifier check digit	O	0..	ST		
17.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
17.13	identifier type code (IS)	O	0..	IS		
17.14	assigning facility	O	0..	HD		
17.14.1	namespace ID	O	0..	IS	HL70363	
17.14.2	universal ID	O	0..	ST		
17.14.3	universal ID type	O	0..	ID	HL70301	
17.15	Name Representation code	O	0..	ID	HL70465	
17.16	name context	O	0..	CE	HL70448	
17.16.1	identifier	O	0..	ST		
17.16.2	text	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
17.16.3	name of coding system	O	0..	IS	HL70396	
17.16.4	alternate identifier	O	0..	ST		
17.16.5	alternate text	O	0..	ST		
17.16.6	name of alternate coding system	O	0..	IS	HL70396	
17.17	name validity range	O	0..	DR		
17.17.1	range start date/time	O	0..	TS		
17.17.2	range end date/time	O	0..	TS		
17.18	name assembly order	O	0..	ID	HL70444	
19	Visit Number	O	0..1	CX		
19.1	ID	O	0..	ST		
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
45	Discharge Date/Time	O	0..1	TS		
45.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600

2. Patient Class

Patient Class

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.

19. Visit Number

19.1. ID

Unique number identifying the admission.

44. Admit Date/Time

44.1. Date/Time

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



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

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 VISIT

End of segment group PATIENT

Segment group: ORDER OBSERVATION

- Usage: Required

- Cardinality:1..*

ORC - Common Order

- Usage: Optional

- Cardinality:0..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	R	1..1	ST		
2.2	namespace ID	O	0..	IS	HL70363	
3	Filler Order Number	O	0..1	EI		
3.1	entity identifier	R	1..1	ST		
3.2	namespace ID	O	0..	IS	HL70363	
5	Order Status	R	1..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
10	Entered By	O	0..1	XCN		
10.1	ID number (ST)	O	0..	ST		
10.2	family name	O	0..	FN		
10.2.1	surname	O	0..	ST		
10.2.2	own surname prefix	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
10.2.3	own surname	O	0..	ST		
10.2.4	surname prefix from partner/spouse	O	0..	ST		
10.2.5	surname from partner/spouse	O	0..	ST		
10.3	given name	O	0..	ST		
10.4	second and further given names or initials thereof	O	0..	ST		
10.5	suffix (e.g., JR or III)	O	0..	ST		
10.6	prefix (e.g., DR)	O	0..	ST		
10.7	degree (e.g., MD)	O	0..	IS	HL70360	
10.8	source table	O	0..	IS	HL70297	
10.9	assigning authority	O	0..	HD		
10.9.1	namespace ID	O	0..	IS	HL70363	
10.9.2	universal ID	O	0..	ST		
10.9.3	universal ID type	O	0..	ID	HL70301	
10.10	name type code	O	0..	ID	HL70200	
10.11	identifier check digit	O	0..	ST		
10.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
10.13	identifier type code (IS)	O	0..	IS		
10.14	assigning facility	O	0..	HD		
10.14.1	namespace ID	O	0..	IS	HL70363	
10.14.2	universal ID	O	0..	ST		
10.14.3	universal ID type	O	0..	ID	HL70301	
10.15	Name Representation code	O	0..	ID	HL70465	
10.16	name context	O	0..	CE	HL70448	
10.16.1	identifier	O	0..	ST		
10.16.2	text	O	0..	ST		
10.16.3	name of coding system	O	0..	IS	HL70396	
10.16.4	alternate identifier	O	0..	ST		
10.16.5	alternate text	O	0..	ST		
10.16.6	name of alternate coding system	O	0..	IS	HL70396	
10.17	name validity range	O	0..	DR		
10.17.1	range start date/time	O	0..	TS		
10.17.2	range end date/time	O	0..	TS		
10.18	name assembly order	O	0..	ID	HL70444	
12	Ordering Provider	O	0..1	XCN		
12.1	ID number (ST)	R	1..1	ST		
12.2	family name	R	1..1	FN		



Seq.	Name	Opt.	Card.	Type	Table	Contents
12.2.1	surname	R	1..1	ST		
12.3	given name	O	0..	ST		
12.9	assigning authority	O	0..	HD		
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		
21.2	organization name type code	O	0..	IS	HL70204	
21.3	ID number (NM)	R	1..1	NM		
21.4	check digit	O	0..	NM		
21.5	code identifying the check digit scheme employed	O	0..	ID	HL70061	
21.6	assigning authority	R	1..1	HD		
21.6.1	namespace ID	R	1..1	IS	HL70363	
21.7	identifier type code (IS)	O	0..	IS		
21.8	assigning facility ID	O	0..	HD	HL70300	
21.8.1	namespace ID	O	0..	IS	HL70363	
21.8.2	universal ID	O	0..	ST		
21.8.3	universal ID type	O	0..	ID	HL70301	
21.9	Name Representation code	O	0..	ID	HL70465	

1. Order Control

Fixed value: SC (Status changed)

2. Placer Order Number

3. Filler Order Number

3.2. namespace ID

If empty, the default assigning authority will be taken.

5. Order Status

Supported: IP (In Progress), CM (Completed), DC (Discontinued), CA (Cancelled), SC (Scheduled)

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 overrides the timezone information if available in MSH-7

7.5.1. Date/Time

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

If timezone information is present it overrides 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

9.1. Date/Time

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

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

10. Entered By

12. Ordering Provider

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

15. Order Effective Date/Time

15.1. Date/Time

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

17. Entering Organization

17.2. text

If empty, the identifier will be taken as name.

17.3. name of coding system

If empty, the default requesting department will be taken



21. Ordering Facility Name

21.1. organization name

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

21.6. assigning authority

If empty, the default assigning authority will be taken.

OBR

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBR	R	1..1	SI		e.g. 1
2	Placer Order Number	R	1..1	EI		
2.1	entity identifier	R	1..1	ST		
2.2	namespace ID	O	0..	IS	HL70363	
2.3	universal ID	O	0..	ST		
2.4	universal ID type	O	0..	ID	HL70301	
3	Filler Order Number	R	1..1	EI		
3.1	entity identifier	R	1..1	ST		
3.2	namespace ID	O	0..	IS	HL70363	
3.3	universal ID	O	0..	ST		
3.4	universal ID type	O	0..	ID	HL70301	
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
7	Observation Date/Time #	O	0..1	TS		
7.1	Date/Time	R	1..1	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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
16.3	given name	O	0..	ST		
16.9	assigning authority	O	0..	HD		
16.9.1	namespace ID	O	0..	IS	HL70363	
16.9.2	universal ID	O	0..	ST		
16.9.3	universal ID type	O	0..	ID	HL70301	
17	Order Callback Phone Number	O	0..*	XTN		
17.1	[(999)] 999-9999 [X99999][C any text]	O	0..	TN		
17.2	telecommunication use code	O	0..	ID	HL70201	
17.3	telecommunication equipment type (ID)	O	0..	ID	HL70202	
17.4	Email address	O	0..	ST		
17.5	Country Code	O	0..	NM		
17.6	Area/city code	O	0..	NM		
17.7	Phone number	O	0..	NM		
17.8	Extension	O	0..	NM		
17.9	any text	O	0..	ST		
18	Placer Field 1	R	1..1	ST		
19	Placer Field 2	O	0..1	ST		
20	Filler Field 1 +	R	1..1	ST		
22	Results Rpt/Status Chng - Date/Time +	O	0..1	TS		
22.1	Date/Time	R	1..1	NM		
24	Diagnostic Serv Sect ID	O	0..1	ID	HL70074	
27	Quantity/Timing	O	0..*	TQ		
27.1	quantity	O	0..	CQ		
27.1.1	quantity	O	0..	NM		
27.1.2	units	O	0..	CE		
27.2	interval	O	0..	CM_RI		
27.2.1	repeat pattern	O	0..	IS	HL70335	
27.2.2	explicit time interval	O	0..	ST		
27.3	duration	O	0..	ST		
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		
27.7	condition	O	0..	ST		
27.8	text (TX)	O	0..	TX		
27.9	conjunction component	O	0..	ID	HL70472	



Seq.	Name	Opt.	Card.	Type	Table	Contents
27.10	order sequencing	O	0..	CM_OSD		
27.10.1	sequence/results flag	O	0..	ID		
27.10.2	placer order number: entity identifier	O	0..	ST		
27.10.3	placer order number: namespace ID	O	0..	IS		
27.10.4	filler order number: entity identifier	O	0..	ST		
27.10.5	filler order number: namespace ID	O	0..	IS		
27.10.6	sequence condition value	O	0..	ID		
27.10.7	maximum number of repeats	O	0..	NM		
27.10.8	placer order number: universal ID	O	0..	ST		
27.10.9	placer order number; universal ID type	O	0..	ID		
27.10.10	filler order number: universal ID	O	0..	ST		
27.10.11	filler order number: universal ID type	O	0..	ID		
27.11	occurrence duration	O	0..	CE		
27.11.1	identifier	O	0..	ST		
27.11.2	text	O	0..	ST		
27.11.3	name of coding system	O	0..	IS	HL70396	
27.11.4	alternate identifier	O	0..	ST		
27.11.5	alternate text	O	0..	ST		
27.11.6	name of alternate coding system	O	0..	IS	HL70396	
27.12	total occurrences	O	0..	NM		
31	Reason for Study	O	0..2	CE		
31.1	identifier	O	0..	ST		
31.2	text	O	0..	ST		
31.3	name of coding system	O	0..	IS	HL70396	
31.4	alternate identifier	O	0..	ST		
31.5	alternate text	O	0..	ST		
31.6	name of alternate coding system	O	0..	IS	HL70396	
32	Principal Result Interpreter +	O	0..1	CM_NDL		
32.1	name	R	1..1	CN		
32.1.1	ID number (ST)	R	1..1	ST		
32.1.2	family name	R	1..1	FN		
32.1.3	given name	R	1..1	ST		
33	Assistant Result Interpreter +	O	0..1	CM_NDL		
33.1	name	R	1..1	CN		
33.1.1	ID number (ST)	R	1..1	ST		
33.1.2	family name	R	1..1	FN		
33.1.3	given name	R	1..1	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
34	Technician +	O	0..1	CM_NDL		
34.5	room	O	0..	IS	HL70303	
35	Transcriptionist +	O	0..*	CM_NDL		
35.1	name	R	1..1	CN		
35.1.1	ID number (ST)	R	1..1	ST		
35.1.2	family name	R	1..1	FN		
35.1.3	given name	R	1..1	ST		
35.4	point of care (IS)	O	0..	IS		
35.5	room	O	0..	IS	HL70303	
35.6	bed	O	0..	IS	HL70304	
35.7	facility (HD)	O	0..	HD		
35.7.1	namespace ID	O	0..	IS	HL70363	
35.7.2	universal ID	O	0..	ST		
35.7.3	universal ID type	O	0..	ID	HL70301	
35.8	location status	O	0..	IS	HL70306	
35.9	person location type	O	0..	IS	HL70305	
35.10	building	O	0..	IS	HL70307	
35.11	floor	O	0..	IS	HL70308	

1. Set ID - OBR

2. Placer Order Number

Identical to ORC-2

3. Filler Order Number

Identical to ORC-3

4. Universal Service Identifier

6. Requested Date/Time

6.1. Date/Time

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

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

7. Observation Date/Time

7.1. Date/Time

YYYYMMDD[HHHMM[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.

17. Order Callback Phone Number

18. Placer Field 1

19. Placer Field 2

20. Filler Field 1 +

22. Results Rpt/Status Chng - Date/Time +

Report Modification Date or Addendum Modification Date.

24. Diagnostic Serv Sect ID

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

27. Quantity/Timing

Identical to ORC-7.

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

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

27.5.1. 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

32. Principal Result Interpreter +

In a final report, this will be handled as author if the first iteration of OBR-33 is empty. This will also be handled as a validator.

In a preliminary report, this will be handled as author.

33. Assistant Result Interpreter +

In a final report, the first iteration will be handled as the author. All the other iterations are reviewers.

In a preliminary report, all the iterations are handled as reviewers.

34. Technician +

34.5. room

Acquisition room.

35. Transcriptionist +

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..1

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

1. Set ID - NTE

3. Comment

4. Comment Type

4.1. identifier

Supported values: CI (clinical info), PC (procedure comment)

Segment group: OBSERVATION

- Usage: Required
- Cardinality:1..*
- Implementation note: Only the last iteration ORDER_OBSERVATION this segment will be implemented.



OBX - Observation/Result

- Usage: Required

- Cardinality:1..3

- Implementation note: Repetition of 3 OBX segments should be provided in the message. - OBX where OBX.5 specifies Report content - OBX where OBX.5 specifies Pdf location - OBX where OBX.5 specifies a Hyperlink

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBX	R	1..1	SI		
2	Value Type	R	1..1	ID	HL70125	e.g. FT
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	FT		
11	Observation Result Status	R	1..1	ID	HL70085	
14	Date/Time of the Observation	O	0..1	TS		
14.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600

1. Set ID - OBX

<DataType=SQ>

2. Value Type

Supported value(s)

-TX for report content or hyperlink

- RP for PDF location

3. Observation Identifier

4. Observation Sub-Id

5. Observation Value

First OBX segment will have plain text in this filed.

Second OBX segment holds reference pointer to a pdf file, shown in EI as study attachment.

Third OBX segment holds the URL link that points to the HeartStation System showing all ECGs for the relevant patient.

11. Observation Result Status

supported values

- N (new)

- C (confirmed)

14. Date/Time of the Observation

The creation date of the report



14.1. Date/Time

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

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

If no date time is filled in, the report will be saved with the datetime of saving/updating.

End of segment group OBSERVATION

End of segment group ORDER_OBSERVATION

End of segment group PATIENT_RESULT