



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ORU_R01

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Message Profile

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: AL
- Acknowledgement Mode: Deferred

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-V1.0-DRAFT-Receiver

Message structure

MSH { [PID [PV1 {[PV2]}]] } { [ORC] OBR [NTE] { Only the last iteration
ORDER_OBSERVATION this segment will be implemented. OBX {[NTE]} } } }

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	e.g. SENDING RIS
4	Sending Facility	O	0..1	HD	HL70362	
4.1	namespace ID	O	0..	IS	HL70363	e.g. SENDING FAC
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	R	1..1	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

3.1. namespace ID

code that identifies sending application

4.1. namespace ID

code that identifies sending facility



7. Date/Time Of Message

7.1. Date/Time

YYYYMMDD[HHMM[SS]][+ZZZZ]

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.

10. Message Control ID

unique number identifying the message

12. Version ID

Highest supported version 2.4

12.1. version ID

HL7 version number

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		
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
5.8	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		
13.1	[(999)] 999-9999 [X99999][C any text]	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	[(999)] 999-9999 [X99999][C any text]	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		
18	Patient Account Number	O	0..1	CX		
18.1	ID	R	1..1	ST		
18.3	code identifying the check digit scheme employed	O	0..	ID	HL70061	



Seq.	Name	Opt.	Card.	Type	Table	Contents
18.4	assigning authority	O	0..	HD		
18.4.1	namespace ID	O	0..	IS	HL70363	
18.5	identifier type code (ID)	RE	0..	ID	HL70203	
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		
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, AN = Account Number, SS = Social Security number, MR = Medical Record 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

Patient's prefix

5.2. given name

Patient's firstname

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

Patient's suffix

5.8. Name Representation code

A = Alphabetic, I = Ideographic and P =Phonetic



7. Date/Time Of Birth

7.1. Date/Time

format YYYYMMDDHHMMSS

8. Administrative Sex

11. Patient Address

11.1.1. street or mailing address

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

11.3. city

If this is not filled in a city with code UNKNOWN will be used

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.

11.6. country

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

This defaults to UKW (Unknown country) when nothing is filled in.

11.7. address type

At the moment 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

First one is the primary home communication channel

13.1. [(999)] 999-9999 [X99999][C any text]

In case of telephone number/fax number/cellular number, the phone number is put in this field

13.2. telecommunication use code

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

At the moment the ones supported are: Primary Residence Number (PRN), Work Number (WPN) and Network (email) Address (NET)

13.3. telecommunication equipment type (ID)

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

At the moment the ones 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

First one is the primary home business channel

**14.1. [(999)] 999-9999 [X99999][C any text]**

In case of telephone number/fax number/cellular number, the phone number is put in this field

14.2. telecommunication use code

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

At the moment the ones supported are: Primary Residence Number (PRN), Work Number (WPN) and Network (email) Address (NET)

14.3. telecommunication equipment type (ID)

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

At the moment the ones 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.

18. Patient Account Number**18.1. ID**

Patient's account number

18.5. identifier type code (ID)

Only code AC is supported. If empty AC will be used by default.

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

YYYYMMDDHHHMMSS or ""

Condition Predicate:

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

29.1. Date/Time

YYYYMMDD[HHHMM[SS]][+/-ZZZZ]

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

30. Patient Death Indicator

Y or N

Segment group: VISIT

- Usage: Optional
- Cardinality:0..1



PV1 - Patient visit

- Usage: Required

- Cardinality:1..1

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	e.g. Cardio department
3.2	room	O	0..	IS	HL70303	e.g. room 124
3.3	bed	O	0..	IS	HL70304	e.g. bed 3
3.4	facility (HD)	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70363	
3.4.2	universal ID	O	0..	ST		
3.4.3	universal ID type	O	0..	ID	HL70301	
4	Admission Type	O	0..1	IS	HL70007	
6	Prior Patient Location	O	0..1	PL		
6.1	point of care	O	0..	IS	HL70302	
6.2	room	O	0..	IS	HL70303	
6.3	bed	O	0..	IS	HL70304	
6.4	facility (HD)	O	0..	HD		
6.4.1	namespace ID	O	0..	IS	HL70363	
6.4.2	universal ID	O	0..	ST		
6.4.3	universal ID type	O	0..	ID	HL70301	
6.5	location status	O	0..	IS	HL70306	
6.6	person location type	O	0..	IS	HL70305	
6.7	building	O	0..	IS	HL70307	
6.8	floor	O	0..	IS	HL70308	
6.9	Location description	O	0..	ST		
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		
7.3	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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
8.2.1	surname	O	0..	ST		
8.3	given name	O	0..	ST		
8.9	assigning authority	O	0..	HD		
8.9.1	namespace ID	O	0..	IS	HL70363	
10	Hospital Service	O	0..1	IS	HL70069	
14	Admit Source	O	0..1	IS	HL70023	
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		
17.3	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	
19.5	identifier type code (ID)	O	0..	ID	HL70203	
19.6	assigning facility	O	0..	HD		
19.6.1	namespace ID	O	0..	IS	HL70363	
19.6.2	universal ID	O	0..	ST		
19.6.3	universal ID type	O	0..	ID	HL70301	
19.7	effective date (DT)	O	0..	DT		
19.8	expiration date	O	0..	DT		
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



4. Admission Type

type of the admission

6. Prior Patient Location

7. Attending Doctor

7.1. ID number (ST)

physician identifier

7.2.1. surname

Family name of the physician

7.3. given name

Given name of the physician

7.9.1. namespace ID

Identifier of the Assigning Authority that issued the physician id

8.9.1. namespace ID

Identifier of the Assigning Authority that issued the physician id

14. Admit Source

15. Ambulatory Status

16. VIP Indicator

17.9. assigning authority

* Identifier of the Assigning Authority that issued the patient id

17.9.1. namespace ID

Identifier of the Assigning Authority that issued the physician id

19. Visit Number

44. Admit Date/Time

44.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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]][+-ZZZZ]

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	R	1..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	R	1..*	TQ		
7.4	start date/time	R	1..1	TS		
7.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7.5	end date/time	R	1..1	TS		
7.5.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7.6	priority	O	0..	ST		
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		
10.3	given name	O	0..	ST		
10.9	assigning authority	O	0..	HD		
10.9.1	namespace ID	O	0..	IS	HL70363	
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		
12.9.1	namespace ID	O	0..	IS	HL70363	



Seq.	Name	Opt.	Card.	Type	Table	Contents
12.14	assigning facility	O	0..	HD		
12.14.1	namespace ID	O	0..	IS	HL70363	
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	R	1..1	HD		
21.6.1	namespace ID	R	1..1	IS	HL70363	

1. Order Control

Fixed value: SC (Status changed)

2.1. entity identifier

Unique identifier for the order, defined by the order placer

2.2. namespace ID

Identifier of the Assigning Authority that issued the placer order number.

If empty, the default assigning authority will be taken.

3. Filler Order Number

3.1. entity identifier

Unique identifier for the order, defined by the order filler

3.2. namespace ID

Identifier of the Assigning Authority that issued the filler order number.

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

7.4.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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

7.5.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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

**7.6. priority**

Supported: A (ASAP), R (Routine), PRN (As needed)

10. Entered By**12. Ordering Provider**

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

12.1. ID number (ST)

Unique code identifying the requesting physician

12.2.1. surname

Family name of the physician

12.3. given name

Given name of the physician

12.9.1. namespace ID

Identifier of the Assigning Authority that issued the physician id

17. Entering Organization

Requesting department.

17.1. identifier

Identifier 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 hospital will be taken as name.

21.3. ID number (NM)

Identifier of the hospital

21.6.1. namespace ID

Identifier of the Assigning Authority that issued the hospital id

If empty, the default system 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	O	0..1	EI		
2.1	entity identifier	R	1..1	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	
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	R	1..1	ST		
4.5	alternate text	O	0..	ST		
4.6	name of alternate coding system	O	0..	IS	HL70396	
5	Priority	O	0..1	ID		
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)	R	1..1	ST		
16.2	family name	R	1..1	FN		
16.2.1	surname	R	1..1	ST		
16.3	given name	R	1..1	ST		
16.9	assigning authority	O	0..	HD		
16.9.1	namespace ID	O	0..	IS	HL70363	
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	R	1..*	TQ		



Seq.	Name	Opt.	Card.	Type	Table	Contents
27.4	start date/time	R	1..1	TS		
27.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
27.5	end date/time	R	1..1	TS		
27.5.1	Date/Time	R	1..1	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	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		
32.1.9	assigning authority	O	0..	HD		
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		
33.1.9	assigning authority	O	0..	HD		
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	



Seq.	Name	Opt.	Card.	Type	Table	Contents
35.11	floor	O	0..	IS	HL70308	
36	Scheduled Date/Time +	O	0..1	TS		
36.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600

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

Code of the requested procedure definition

4.2. text

Description of the requested procedure definition

4.3. name of coding system

Code of the performing department

4.4. alternate identifier

Code of the scheduled procedure step definition

4.5. alternate text

Description of the procedure step definition

5. Priority

Supported: A (ASAP), R (Routine), PRN (As needed)

6. Requested Date/Time

Used as order creation date/time. When empty, the value of OBR.27.4 is taken as order creation date/time.

6.1. Date/Time

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

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

7. Observation Date/Time

7.1. Date/Time

YYYYMMDD[HHMM[SS]][+/-ZZZZ]

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

**13. Relevant Clinical Info.**

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.

16.1. ID number (ST)

Physician Identifier

16.2.1. surname

Physician lastname

16.3. given name

Physician firstname

16.9.1. namespace ID

Assigning authority of the identifier

18. Placer Field 1

Accession number

19. Placer Field 2

Requested procedure ID

20. Filler Field 1 +

Scheduled Procedure Step ID

22. Results Rpt/Status Chng - Date/Time +**22.1. Date/Time**

The modification date of the report

24. Diagnostic Serv Sect ID

Modality type

27. Quantity/Timing

Identical to ORC-7

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]][+-ZZZZ]

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

**27.5.1. Date/Time**

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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

27.6. priority

Supported: A (ASAP), R (Routine), PRN (As needed)

31. Reason for Study**31.2. text**

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 +**35. Transcriptionist +****36. Scheduled Date/Time +**

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

If this field is empty, then the value of OBR.6 will be used as requested procedure scheduled study date/time and scheduled procedure step start date/time.

36.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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

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

Identifier

3. Comment

Plain text of Clinical info (Comment type CI) or Procedure comment(Comment type PC)

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..1

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		e.g. RX OF HEAD
3.4	alternate identifier	O	0..	ST		e.g. ACC145278
4	Observation Sub-Id	O	0..1	ST		e.g. conclusion
5	Observation Value	R	1..1	VARIES		
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

In case of reports:

- FT
- RP (For reports send as PDF with reference pointer)
- ED (For reports send as Base64 encoded data)

In case of attachments:



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

3.1. identifier

In case of reports:

- This field should contain &GDT for specifying general report.
- It should contain &ADT for specifying addendum report.
- When report type is FT (obx.2) only 1 OBX segment with general report is allowed and multiple addendum OBX are allowed.
- When report type is RP or ED (obx.2) only 1 OBX segment is allowed. The OBX should specify a general report. When addendum is present, it is supposed to be included in the general report.

In case of attachments:

- 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', '_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.

3.2. text

name identifying the observation

3.4. alternate identifier

Used in case of attachments : Should contain the accession number where the attachment belongs to (in case of study level attachment) or empty (In case of order/report level attachment)

When no accession number is passed in this component, the requested procedure/study level attachments are to be added to all requested procedures this report is linked to.

Example

An ORU message is sent containing two requested procedures belonging to the same service request and it contains two OBX-segments with attachments:



- one attachment with code STDAT20 is a '_Study-level' attachment for requested procedure with accession number ACC123
 - the other attachment with code SCANNEDREQUEST is an '_Order-level' attachment which applies to both requested procedures
- ```
OBX|1|RP|STDAT20^^^ACC123||\ \attachmentserver\foldername \attachmentfilename1.pdf|
```
- ```
OBX|2|RP|SCANNEDREQUEST||\ \attachmentserver\foldername \attachmentfilename2.pdf|
```
- Attachment with code STDAT20 is linked to requested procedure with accession number ACC123 and attachment with code SCANNEDREQUEST is linked to the service request.

4. Observation Sub-Id

sub identifier for this observation

5. Observation Value

Supported value(s):

In case of reports:

- plain text(OBX.2=FT)
- path + file name (in case of report send as PDF with reference pointer (OBX.2=RP))
- ^TEXT^PDF^BASE64^base64-encoded string of binary PDF data (OBX.2=ED)

In case of attachments:

- 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))

If empty, this OBX segment will not be processed.

11. Observation Result Status

supported values: F (final results), P (preliminary), C (correction), D (deleted)

14. Date/Time of the Observation

The creation date of the report

14.1. Date/Time

YYYYMMDD[HHMM[SS]][+-ZZZZ]

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