



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND ORU_R01

Copyright notice:

Copyright 2012 Agfa HealthCare

All rights reserved.

Agfa shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this publication.

Agfa reserves the right to revise this publication and to make changes to its content at any time, without obligation to notify any person or entity of such revisions and changes.

This publication may only be used in connection with the promotion, sales, installation and use of Agfa equipment by Agfa personnel.

Publication date:

8-2015

Publication number:

V1.0 (technical)

Corporate address:

Agfa HealthCare

SIV Connectivity

Septestraat 27

B-2640 Mortsel

Belgium

+32 3 444 7588

<http://www.agfahealthcare.com/>

email : connectivity@agfa.com



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

- 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] { [NK1] [PV1] { [PV2] } } } { [ORC] OBR [NTE] { [CTD] } } { Only the last iteration ORDER_OBSERVATION this segment will be implemented. { [OBX] { [NTE] } } { [FT1] { [CTI] } } }

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..*	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
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]][+/-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.

9. Message Type**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		
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
5.2	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	



Seq.	Name	Opt.	Card.	Type	Table	Contents
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	
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		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, 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 or empty = Alphabetic, I = Ideographic and P = Phonetic

7. Date/Time Of Birth

7.1. Date/Time

format YYMMDDHHMMSS

8. Administrative Sex

11. Patient Address

11.1.1. street or mailing address

This is used when SAD-2 (Street 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

YYYYMMDDHHMMSS or ""

Condition Predicate:

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

29.1. Date/Time

YYYYMMDD[HHMM[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
2	Patient Class	R	1..1	IS	HL70004	

2. Patient Class

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	R	1..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		
10.2.2	own surname prefix	O	0..	ST		
10.2.3	own surname	O	0..	ST		
10.2.4	surname prefix from partner/spouse	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
12.2.1	surname	R	1..1	ST		
12.3	given name	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
12.9	assigning authority	O	0..	HD		
12.9.1	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		
21.2	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

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**

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

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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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	
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	



Seq.	Name	Opt.	Card.	Type	Table	Contents
27	Quantity/Timing	R	1..*	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	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		
27.7	condition	O	0..	ST		
27.8	text (TX)	O	0..	TX		
27.9	conjunction component	O	0..	ID	HL70472	
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		
29	Parent	O	0..1	CM_EIP		



Seq.	Name	Opt.	Card.	Type	Table	Contents
29.1	parent's placer order number	O	0..	EI		
29.1.1	entity identifier	O	0..	ST		
29.1.2	namespace ID	O	0..	IS	HL70363	
29.1.3	universal ID	O	0..	ST		
29.1.4	universal ID type	O	0..	ID	HL70301	
29.2	parent's filler order number	O	0..	EI		
29.2.1	entity identifier	O	0..	ST		
29.2.2	namespace ID	O	0..	IS	HL70363	
29.2.3	universal ID	O	0..	ST		
29.2.4	universal ID type	O	0..	ID	HL70301	
30	Transportation Mode	O	0..1	ID	HL70124	
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		
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	



Seq.	Name	Opt.	Card.	Type	Table	Contents
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

5. Priority

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

6. Requested Date/Time

6.1. Date/Time

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

If timezone information is present it overrules 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 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 +**

The modification date of the report

24. Diagnostic Serv Sect ID**27. Quantity/Timing**

Identical to ORC-7

27.4.1. Date/Time

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

If timezone information is present it overrides 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)

29. Parent**30. Transportation Mode****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 +**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: OBX-1: Report content OBX-2: Pdf location OBX-3: 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) = FT

3. Observation Identifier

3.1. identifier

using suffix &ADT (addendum report) or &GDT (general report).

If it is not filled in, the OBX segment will not be processed.

4. Observation Sub-Id

5. Observation Value

If empty, this OBX segment will not be processed.

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[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