



Technical HL7 Conformance Profile

ENTERPRISE IMAGING OUTBOUND ORU_R01 - ASCII ENCAPSULATED DATA {ORC-OBR}-OBX

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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-Sender

Message structure

MSH { [**PID** [**PV1**]] { [**ORC**] **OBR** [**NTE**] [**ZDS**] { [**DG1**] } { Segment for complete report content (original report content with all addenda) ONLY in the last ORDER_OBSERVATION will there be an OBSERVATION segment **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	R	1..1	HD	HL70361	
3.1	namespace ID	R	1..1	IS	HL70363	
4	Sending Facility	R	1..1	HD	HL70362	
4.1	namespace ID	R	1..1	IS	HL70363	
5	Receiving Application	R	1..1	HD	HL70361	
5.1	namespace ID	R	1..1	IS	HL70363	
6	Receiving Facility	R	1..1	HD	HL70362	
6.1	namespace ID	R	1..1	IS	HL70363	
7	Date/Time Of Message	R	1..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
9	Message Type	R	1..1	CM_MSG	HL70076	
9.1	message type	R	1..1	ID	HL70076	
9.2	trigger event	R	1..1	ID	HL70003	
9.3	message structure	O	0..	ID	HL70354	
10	Message Control ID	R	1..1	ST		
11	Processing ID	R	1..1	PT		
11.1	processing ID	R	1..1	ID	HL70103	
12	Version ID	R	1..1	VID	HL70104	



Seq.	Name	Opt.	Card.	Type	Table	Contents
12.1	version ID	R	1..1	ID	HL70104	

1. Field Separator

2. Encoding Characters

3. Sending Application

3.1. namespace ID

AGFA_PACS

4. Sending Facility

4.1. namespace ID

AGFA

5. Receiving Application

5.1. namespace ID

Application defined in External device to which the message is being send.

6. Receiving Facility

6.1. namespace ID

Facility defined in External device to which the message is being send.

7. Date/Time Of Message

7.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

9. Message Type

9.1. message type

ORU

9.2. trigger event

R01

9.3. message structure

ORU_R01



10. Message Control ID

11. Processing ID

12. Version ID

12.1. version ID

HL7 version 2.4 will be generated

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	R	1..1	HD		
3.4.1	namespace ID	R	1..1	IS	HL70363	
3.5	identifier type code (ID)	R	1..1	ID	HL70203	
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	R	1..1	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	
5.11	name assembly order	O	0..	ID	HL70444	
7	Date/Time Of Birth	O	0..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328
8	Administrative Sex	R	1..1	IS	HL70001	



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
11.7	address type	O	0..	ID	HL70190	
11.8	other geographic designation	O	0..	ST		
11.9	county/parish code	O	0..	IS		
13	Phone Number - Home	O	0..*	XTN		
13.1	Telephone Number	C	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..*	XTN		
14.1	Telephone Number	C	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		
18.4	assigning authority	O	0..	HD		
18.4.1	namespace ID	R	1..1	IS	HL70363	
18.5	identifier type code (ID)	R	1..1	ID	HL70203	
19	SSN Number - Patient	O	0..1	ST		
23	Birth Place	O	0..1	ST		
29	Patient Death Date and Time	O	0..1	TS		
29.1	Date/Time	O	0..	NM		e.g. 20040328134602.1234+0600
30	Patient Death Indicator	O	0..1	ID	HL70136	

3. Patient Identifier List

3.1. ID

Identification code for the patient.



3.4.1. namespace ID

assigning authority that issued the patient id.

3.5. identifier type code (ID)

Values used:

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

5. Patient Name

5.1.1. surname

Patient's surname.

5.2. given name

Patient's given name

5.3. second and further given names or initials thereof

Patient's middle name.

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

Patient's name suffix.

5.5. prefix (e.g., DR)

Patient's name prefix

5.7. name type code

Values used:

- Empty when fields specify patient name.
- M when fiels specify patient maiden name

5.8. Name Representation code

Values used:

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

7. Date/Time Of Birth

7.1. Date/Time

YYYYMMDD

8. Administrative Sex

Values used:

- M = Male
- F = Female
- U = Unknown



11. Patient Address

11.1.2. street name

Name of the street

11.1.3. dwelling number

House number

11.2. other designation

Other designation (eg First floor)

11.3. city

Municipality code of the city.

If no city specified in patient's address in the db, UKW (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

A 3-digit code defining the county.

11.7. address type

Values used:

- O (office)
- H (home address)

13. Phone Number - Home

13.1. Telephone Number

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

13.2. telecommunication use code

Values used:

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

13.3. telecommunication equipment type (ID)

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

13.4. Email address

In case of Network Email Address, this field will hold the value.



14. Phone Number - Business

14.1. Telephone Number

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

14.2. telecommunication use code

Values used:

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

14.3. telecommunication equipment type (ID)

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

14.4. Email address

In case of Network Email Address, this field will hold the value.

18. Patient Account Number

18.1. ID

Account number of the patient.

18.4.1. namespace ID

Assigning authority that issued the account number.

18.5. identifier type code (ID)

AN

19. SSN Number - Patient

Social security number of the patient.

23. Birth Place

29. Patient Death Date and Time

29.1. Date/Time

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

30. Patient Death Indicator

Values used:

- 1 patient deceased
- 0 patient not deceased



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	
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	HL70363	
4	Admission Type	O	0..1	IS	HL70007	
7	Attending Doctor	O	0..*	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		
7.4	second and further given names or initials thereof	O	0..	ST		
7.5	suffix (e.g., JR or III)	O	0..	ST		
7.6	prefix (e.g., DR)	O	0..	ST		
7.9	assigning authority	O	0..	HD		
7.9.1	namespace ID	O	0..	IS	HL70363	
7.9.2	universal ID	O	0..	ST		
7.9.3	universal ID type	O	0..	ID	HL70301	
8	Referring Doctor	O	0..*	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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
8.4	second and further given names or initials thereof	O	0..	ST		
8.5	suffix (e.g., JR or III)	O	0..	ST		
8.6	prefix (e.g., DR)	O	0..	ST		
8.9	assigning authority	O	0..	HD		
8.9.1	namespace ID	O	0..	IS	HL70363	
8.9.2	universal ID	O	0..	ST		
8.9.3	universal ID type	O	0..	ID	HL70301	
10	Hospital Service	O	0..1	IS	HL70069	
11	Temporary Location	O	0..1	PL		
11.1	point of care	O	0..	IS	HL70302	
11.2	room	O	0..	IS	HL70303	
11.3	bed	O	0..	IS	HL70304	
11.4	facility (HD)	O	0..	HD		
11.4.1	namespace ID	O	0..	IS	HL70363	
14	Admit Source	O	0..1	IS	HL70023	
15	Ambulatory Status	O	0..*	IS	HL70009	
16	VIP Indicator	O	0..1	IS	HL70099	
17	Admitting Doctor	O	0..*	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		
17.9	assigning authority	O	0..	HD		
17.9.1	namespace ID	O	0..	IS	HL70363	
17.9.2	universal ID	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
17.9.3	universal ID type	O	0..	ID	HL70301	
18	Patient Type	O	0..1	IS	HL70018	
19	Visit Number	R	1..1	CX		
19.1	ID	R	1..1	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. 20040328134602.1234+0600
45	Discharge Date/Time	O	0..*	TS		
45.1	Date/Time	O	0..	NM		e.g. 20040328134602.1234+0600

1. Set ID - PV1

2. Patient Class

3. Assigned Patient Location

4. Admission Type

7. Attending Doctor

8. Referring Doctor

10. Hospital Service

11. Temporary Location

14. Admit Source

15. Ambulatory Status

16. VIP Indicator

17. Admitting Doctor

18. Patient Type

44.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+- ZZZZ]

45. Discharge Date/Time

45.1. Date/Time

YYYYMMDD[HHHMM[SS[.SSSS]]][+- ZZZZ]



End of segment group VISIT

End of segment group PATIENT

Segment group: ORDER OBSERVATION

- Usage: Required
- Cardinality:1..*

ORC

- 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	O	0..1	ID	HL70038	
7	Quantity/Timing	O	0..*	TQ		
7.4	start date/time	O	0..	TS		
7.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7.5	end date/time	O	0..	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		
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	



Seq.	Name	Opt.	Card.	Type	Table	Contents
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)	C	0..	ST		
12.2	family name	O	0..	FN		
12.2.1	surname	O	0..	ST		
12.3	given name	O	0..	ST		
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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	O	0..	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. start date/time

Requested procedure scheduled study date/time and the scheduled procedure step start date/time.

7.4.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7.5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7.6. priority

1) For existing sites (migration)

STAT priority code: S

Urgent priority codes: A



High Priority codes: A
 Normal Priority codes: R
 Low priority Code: PRN
 2) For new installations
 STAT priority code: S
 Urgent priority codes: A
 High Priority code: C
 Normal Priority codes: P
 Routine Priority Code: R
 These values are configurable

10. Entered By

12. Ordering Provider

12.1. ID number (ST)

the default identifier of the ordering provider

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		
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
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	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. 20040328134602.1234+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		
16.3	given name	O	0..	ST		
18	Placer Field 1	R	1..1	ST		
19	Placer Field 2	R	1..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		e.g. 20040328134602.1234+0600
24	Diagnostic Serv Sect ID	O	0..1	ID	HL70074	
25	Result Status +	R	1..1	ID	HL70123	
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		



Seq.	Name	Opt.	Card.	Type	Table	Contents
27.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
27.5	end date/time	O	0..	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		
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	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	B	..	ST		
32.1.9	assigning authority	O	0..	HD		
33	Assistant Result Interpreter +	O	0..*	CM_NDL		
33.1	name	O	0..	CN		
33.1.1	ID number (ST)	O	0..	ST		
33.1.2	family name	O	0..	FN		
33.1.3	given name	O	0..	ST		
33.1.9	assigning authority	O	0..	HD		
33.10	building	B	..	IS	HL70307	
35	Transcriptionist +	O	0..1	CM_NDL		
35.1	name	O	0..	CN		
35.1.1	ID number (ST)	O	0..	ST		
35.1.2	family name	O	0..	FN		
35.1.3	given name	O	0..	ST		
35.1.9	assigning authority	O	0..	HD		
47	Filler Supplemental Service Information	O	0..1	CE	HL70411	

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

1) For existing sites (migration)

STAT priority code: S

Urgent priority codes: A

High Priority codes: A

Normal Priority codes: R

Low priority Code: PRN

2) For new installations

STAT priority code: S

Urgent priority codes: A

High Priority code: C

Normal Priority codes: P



Routine Priority Code: R
These values are configurable

6. Requested Date/Time

6.1. Date/Time

If EI is configured to send timezone information, datetime format
YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7. Observation Date/Time

Specifies Observation date/time modified and is not related to report date and time. It is
- the PPS date/time modified when images are available.

- the request date/time modified in other cases

Date/time the report version is being distributed is found in OBR.22.

Date/time the report version is created is found in OBX.14.

7.1. Date/Time

If EI is configured to send timezone information, datetime format
YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

13. Relevant Clinical Info.

16. Ordering Provider

same as ORC-12

16.1. ID number (ST)

the default identifier of the ordering provider

18. Placer Field 1

19. Placer Field 2

20. Filler Field 1 +

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

Date/time the report version is being distributed. For dictated report, date/time of the modification to the latest dictation.

22.1. Date/Time

If EI is configured to send timezone information, datetime format
YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

24. Diagnostic Serv Sect ID

25. Result Status +

Supported: F (final), P (Preliminary), C (Correction), D (Deleted), I (Dictated), S (Partially validated)

27. Quantity/Timing

Identical to ORC-7



27.4.1. Date/Time

If EI is configured to send timezone information, datetime format YYYYMMDD[HHMM[SS]][+ -ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

27.5.1. Date/Time

If EI is configured to send timezone information, datetime format YYYYMMDD[HHMM[SS]][+ -ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

27.6. priority

High priority code: A (ASAP)
Medium Priority Code: R (Routine)
Low priority Code: PRN (As needed)

31. Reason for Study

32. Principal Result Interpreter +

The segment contains:

- the validator when the report is final
- the author when the report is preliminary
- the latest partial approver when the report is partially validated

32.1.1. ID number (ST)

The default identifier of the principal result interpreter

33. Assistant Result Interpreter +

This segment contains:

- every contributor when preliminary report
- the author (when different from validator) and every contributor when final report and partially validated report

33.1.1. ID number (ST)

the default identifier of the assistant result interpreter

35. Transcriptionist +

35.1.1. ID number (ST)

the default identifier of the transcriptionist

47. Filler Supplemental Service Information

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - NTE	O	0..1	SI		
2	Source of Comment	O	0..1	ID	HL70105	



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

1. Set ID - NTE

2. Source of Comment

3. Comment

4. Comment Type

ZDS

- Usage: Optional

- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Reference Pointer	R	1..1	ST		
2	Application ID	O	0..1	ST		e.g. AGILITY
3	Type of Data	O	0..1	ST		e.g. Application
4	Subtype	O	0..1	ST		e.g. DICOM

1. Reference Pointer

the EI Study instance UID

2. Application ID

fixed value == AGILITY

3. Type of Data

fixed value == Application

4. Subtype

fixed value == DICOM

DG1 - Diagnosis

- Usage: Optional

- Cardinality:0..*

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - DG1	R	1..1	SI		
2	Diagnosis Coding Method	O	0..1	ID	HL70053	



Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Diagnosis Code - DG1	R	1..1	CE	HL70051	
3.1	identifier	R	1..1	ST		
3.2	text	R	1..1	ST		
3.3	name of coding system	R	1..1	IS	HL70396	
3.4	alternate identifier	R	1..1	ST		
3.5	alternate text	O	0..	ST		
3.6	name of alternate coding system	O	0..	IS	HL70396	
4	Diagnosis Description	B	0..*	ST		
5	Diagnosis Date/Time	R	1..1	TS		
5.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
6	Diagnosis Type	R	1..1	IS	HL70052	
7	Major Diagnostic Category	B	0..*	CE	HL70118	
7.1	identifier	O	0..	ST		
7.2	text	O	0..	ST		
7.3	name of coding system	O	0..	IS	HL70396	
7.4	alternate identifier	O	0..	ST		
7.5	alternate text	O	0..	ST		
7.6	name of alternate coding system	O	0..	IS	HL70396	
8	Diagnostic Related Group	B	0..*	CE	HL70055	
8.1	identifier	O	0..	ST		
8.2	text	O	0..	ST		
8.3	name of coding system	O	0..	IS	HL70396	
8.4	alternate identifier	O	0..	ST		
8.5	alternate text	O	0..	ST		
8.6	name of alternate coding system	O	0..	IS	HL70396	
9	DRG Approval Indicator	B	0..*	ID	HL70136	
10	DRG Grouper Review Code	B	0..*	IS	HL70056	
11	Outlier Type	B	0..*	CE	HL70083	
11.1	identifier	O	0..	ST		
11.2	text	O	0..	ST		
11.3	name of coding system	O	0..	IS	HL70396	
11.4	alternate identifier	O	0..	ST		
11.5	alternate text	O	0..	ST		
11.6	name of alternate coding system	O	0..	IS	HL70396	
12	Outlier Days	B	0..*	NM		
13	Outlier Cost	B	0..*	CP		
13.1	price	O	0..	MO		



Seq.	Name	Opt.	Card.	Type	Table	Contents
13.1.1	quantity	O	0..	NM		
13.1.2	denomination	O	0..	ID		
13.2	price type	O	0..	ID	HL70205	
13.3	from value	O	0..	NM		
13.4	to value	O	0..	NM		
13.5	range units	O	0..	CE		
13.5.1	identifier	O	0..	ST		
13.5.2	text	O	0..	ST		
13.5.3	name of coding system	O	0..	IS	HL70396	
13.5.4	alternate identifier	O	0..	ST		
13.5.5	alternate text	O	0..	ST		
13.5.6	name of alternate coding system	O	0..	IS	HL70396	
13.6	range type	O	0..	ID	HL70298	
14	Group Version And Type	B	0..*	ST		
15	Diagnosis Priority	O	0..1	ID	HL70359	
16	Diagnosing Clinician	O	0..*	XCN		
16.1	ID number (ST)	O	0..	ST		
16.2	family name	O	0..	FN		
16.2.1	surname	O	0..	ST		
16.2.2	own surname prefix	O	0..	ST		
16.2.3	own surname	O	0..	ST		
16.2.4	surname prefix from partner/spouse	O	0..	ST		
16.2.5	surname from partner/spouse	O	0..	ST		
16.3	given name	O	0..	ST		
16.4	second and further given names or initials thereof	O	0..	ST		
16.5	suffix (e.g., JR or III)	O	0..	ST		
16.6	prefix (e.g., DR)	O	0..	ST		
16.7	degree (e.g., MD)	O	0..	IS	HL70360	
16.8	source table	O	0..	IS	HL70297	
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	
16.10	name type code	O	0..	ID	HL70200	
16.11	identifier check digit	O	0..	ST		
16.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	



Seq.	Name	Opt.	Card.	Type	Table	Contents
16.13	identifier type code (IS)	O	0..	IS		
16.14	assigning facility	O	0..	HD		
16.14.1	namespace ID	O	0..	IS	HL70363	
16.14.2	universal ID	O	0..	ST		
16.14.3	universal ID type	O	0..	ID	HL70301	
16.15	Name Representation code	O	0..	ID	HL70465	
16.16	name context	O	0..	CE	HL70448	
16.16.1	identifier	O	0..	ST		
16.16.2	text	O	0..	ST		
16.16.3	name of coding system	O	0..	IS	HL70396	
16.16.4	alternate identifier	O	0..	ST		
16.16.5	alternate text	O	0..	ST		
16.16.6	name of alternate coding system	O	0..	IS	HL70396	
16.17	name validity range	O	0..	DR		
16.17.1	range start date/time	O	0..	TS		
16.17.2	range end date/time	O	0..	TS		
16.18	name assembly order	O	0..	ID	HL70444	
17	Diagnosis Classification	O	0..1	IS	HL70228	
18	Confidential Indicator	O	0..1	ID	HL70136	
19	Attestation Date/Time	O	0..1	TS		
19.1	Date/Time	R	1..1	NM		e.g. 20040328134602.1234+0600

1. Set ID - DG1

2. Diagnosis Coding Method

3. Diagnosis Code - DG1

4. Diagnosis Description

5. Diagnosis Date/Time

5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used



6. Diagnosis Type

7. Major Diagnostic Category

8. Diagnostic Related Group

9. DRG Approval Indicator

10. DRG Grouper Review Code

11. Outlier Type

12. Outlier Days

13. Outlier Cost

14. Grouper Version And Type

15. Diagnosis Priority

16. Diagnosing Clinician

17. Diagnosis Classification

18. Confidential Indicator

19. Attestation Date/Time

19.1. Date/Time

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

Segment group: OBSERVATION

- Usage: Required
- Cardinality:1..*
- Implementation note: Segment for complete report content (original report content with all addenda)
ONLY in the last ORDER_OBSERVATION will there be an OBSERVATION segment

OBX - Observation/Result

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBX	O	0..1	SI		
2	Value Type	O	0..1	ID	HL70125	e.g. ED
3	Observation Identifier	R	1..1	CE		
3.1	identifier	R	1..1	ST		
3.2	text	O	0..	ST		
3.3	name of coding system	O	0..	IS	HL70396	



Seq.	Name	Opt.	Card.	Type	Table	Contents
3.4	alternate identifier	O	0..	ST		
4	Observation Sub-Id	R	1..1	ST		
5	Observation Value	R	1..1	ED		
5.1	source application	R	1..1	HD		
5.1.1	namespace ID	R	1..1	IS		e.g. AGILITY
5.2	type of data	R	1..1	ID	HL70191	e.g. TEXT
5.3	data subtype	R	1..1	ID	HL70291	e.g. RTF
5.4	encoding	R	1..1	ID	HL70299	e.g. A
5.5	data	R	1..1	ST		
11	Observation Result Status	R	1..1	ID	HL70085	e.g. F
14	Date/Time of the Observation	O	0..1	TS		
14.1	Date/Time	R	1..1	NM		e.g. 20080319103922
16	Responsible Observer	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		

1. Set ID - OBX

The sequence number

2. Value Type

Fixed value = ED

3. Observation Identifier

3.1. identifier

Fixed value = &GDT

3.2. text

For ED: The name of the procedure definition

3.3. name of coding system

fixed value == AGILITY

3.4. alternate identifier

For report: fill with report ID that stays unchanged over the complete reporting life cycle.

4. Observation Sub-Id

'BODY' when the OBX-segment contains the original report content and 'ADDENDUM' + '_suffix' when the OBX- segment contains the original report content and addendum content. (suffix is the index of addenda starting from 1)



5. Observation Value

For Dictated report, is 'Dictation available'.

5.1.1. namespace ID

fixed value = AGILITY

5.2. type of data

fixed value = TEXT

5.3. data subtype

fixed value = PDF

5.4. encoding

fixed value = Base64

5.5. data

the encoded report (potentially with addenda) as one PDF in Base64 encoding

11. Observation Result Status

For ED Supported: F (final), P (Preliminary), C (Correction), D (Deleted), I (Dictated), S (Partially validated)

14. Date/Time of the Observation

The date of the observation

14.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

16. Responsible Observer

This segment contains:

In case the OBX-segment contains report content:

- the author when the report is preliminary
- the validator when the report is final
- the latest partial approver when the report is partially validated

In case the OBX-segment contains addendum content:

- the author of this particular addendum content when this addendum is preliminary
- the validator of this particular addendum content when this addendum is final

16.1. ID number (ST)

The default identifier of the responsible observer

End of segment group OBSERVATION

End of segment group ORDER_OBSERVATION

End of segment group PATIENT_RESULT