

Technical HL7 Conformance Profile

ENTERPRISE IMAGING

OUTBOUND DFT P03

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:

2-2021

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

About this Conformance

This profile describes the DFT message structure that will be sent to an HL7 receiver.

Financial transactions can be sent between applications either in batches or online.

On batch segments, multiple transactions may be grouped and sent through all file transfer media or programs when using the HL7 Encoding Rules.

Remarks:

Segments marked as:

- R (required) must be present in the message
- RE (required or empty) must be present in the message if information is available
- not supported if present in the message the segment is not processed.

The same counts for fields, components, subcomponents marked as not supported.

Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: Constrainable
- Topics: confsig-Agfa Healthcare-2.4-profile-accAL_accNE-Immediate

Encoding Method

ER7

Interaction 1

Dynamic Definition

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

Static Definition

- Message Type: ORM
- Trigger Event: P03
- Message Structure: DFT_P03
- Topics: confsig-Agfa Healthcare-2.4-static-ORM-P03-null-DFT_P03-V1.0-DRAFT-Sender

Message structure

MSH EVN PID [PD1] PV1 { [ZOD] {FT1} } [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		
3.1	namespace ID	R	1..1	IS		e.g. AGILITY
4	Sending Facility	R	1..1	HD		
4.1	namespace ID	R	1..1	IS		e.g. AGILITY-RIS
4.2	universal ID	O	0..	ST		
4.3	universal ID type	O	0..	ID	HL70301	
5	Receiving Application	R	1..1	HD		
5.1	namespace ID	R	1..1	IS		
6	Receiving Facility	R	1..1	HD		
6.1	namespace ID	R	1..1	IS		
6.3	universal ID type	O	0..	ID	HL70301	
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_MSC	HL70076	
9.1	message type	R	1..1	ID		e.g. DFT
9.2	trigger event	R	1..1	ID		e.g. P03
9.3	message structure	O	0..	ID		e.g. DFT_P03
10	Message Control ID	R	1..1	ST		
11	Processing ID	R	1..1	PT		
11.1	processing ID	R	1..1	ID	HL70103	e.g. P

Seq.	Name	Opt.	Card.	Type	Table	Contents
12	Version ID	R	1..1	VID	HL70104	
12.1	version ID	R	1..1	ID	HL70104	e.g. 2.4

1. Field Separator

2. Encoding Characters

3. Sending Application

4. Sending Facility

5. Receiving Application

6. Receiving Facility

7. Date/Time Of Message

7.1. Date/Time

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

9. Message Type

10. Message Control ID

11. Processing ID

12. Version ID

HL7 version

12.1. version ID

Default: v2.4.

supported versions (pipeline property, HL7 version): 2.3.1 - 2.4 - 2.5

EVN - Event Type

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Event Type Code	R	1..1	ID	HL70003	e.g. P03
2	Recorded Date/Time	R	1..1	TS		
2.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600

1. Event Type Code

2. Recorded Date/Time

2.1. Date/Time

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

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	
3.4.2	universal ID	O	0..	ST		
3.4.3	universal ID type	O	0..	ID	HL70301	
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		
5.2	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	
5.11	name assembly order	O	0..	ID	HL70444	
7	Date/Time Of Birth	R	1..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
8	Administrative Sex	R	1..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		

Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
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..*	XTN		
13.1	[(999)] 999-9999 [X99999][C any text]	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	[(999)] 999-9999 [X99999][C any text]	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		
15	Primary Language	O	0..1	CE	HL70296	
15.1	identifier	O	0..	ST		
16	Marital Status	O	0..1	CE	HL70002	
16.1	identifier	O	0..	ST		
17	Religion	O	0..1	CE	HL70006	
17.1	identifier	O	0..	ST		
17.2	text	O	0..	ST		
17.3	name of coding system	O	0..	IS	HL70396	
17.4	alternate identifier	O	0..	ST		
17.5	alternate text	O	0..	ST		
17.6	name of alternate coding system	O	0..	IS	HL70396	
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	R	1..1	NM		e.g. 20040328134602+0600
30	Patient Death Indicator	R	1..1	ID	HL70136	

3. Patient Identifier List

3.1. ID

Identification number or code for the patient.

3.4. assigning authority

The 'Assigning authority' aka 'Issuer of Patient ID' consist of the following three parts:

- Namespace ID // Issuer of Patient ID
- Universal ID // Universal Entity ID
- Universal ID Type // Universal Entity ID Type

When no Universal ID is available in EI, only the Namespace ID is sent in PID-3.4

3.4.1. namespace ID

namespace ID Identifier of the Assigning Authority that issued the patient id.

If only the internal assigning authority (_NOAA or _CON) is available, then it is not sent out.

3.4.2. universal ID

universal ID

Universal Entity ID is not sent if not available in EI

3.4.3. universal ID type

universal ID type

Universal Entity ID Type is ISO. It is only sent if Universal ID is available

3.5. identifier type code (ID)

Supported values:

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

5. Patient Name

5.1.1. surname

Patient surname

5.2. given name

Patient given name

5.3. second and further given names or initials thereof

Patient 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 fields 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

11.1.1. street or mailing address

communication_channel.Street (if communication_channel.Streetnr is empty)

11.1.2. street name

communication_channel.Street (if communication_channel.Streetnr is not empty)

11.1.3. dwelling number

communication_channel.Streetnr

11.2. other designation

communication_channel.Address_Line1

11.3. city

municipality.name

11.4. state or province

communication_channel.Address_Line3

11.5. zip or postal code

municipality.zip

11.6. country

communication_channel.country

11.7. address type

communication_channel.communication_type (H - for home address / O - for office address)

11.8. other geographic designation

communication_channel.Address_Line2

11.9. county/parish code

communication_channel.Address_Line4

11.12.1. range start date/time

Effective date from which address is valid.

11.12.2. range end date/time

Expiration date of validity off the address.

13. Phone Number - Home**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

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, the Email Address is put in this field

14. Phone Number - Business**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, the Email Address is put in this field

15. Primary Language

Primary language of the patient.

16. Marital Status

Marital status of the patient.

17. Religion

Religion of the patient.

19. SSN Number - Patient

Social security number of the patient.

23. Birth Place

Patient's place of birth.

29. Patient Death Date and Time

Patient deceased date if applicable.

29.1. Date/Time

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

30. Patient Death Indicator

Values:

- 0 = patient still alive
- 1 = patient deceased

PD1 - patient additional demographic

- Usage: Optional
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
4	Patient Primary Care Provider Name & ID No.	O	0..1	XCN		
4.1	ID number (ST)	O	0..	ST		
4.2	family name	O	0..	FN		
4.2.1	surname	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
4.3	given name	O	0..	ST		
4.9	assigning authority	O	0..	HD		
4.9.1	namespace ID	O	0..	IS	HL70363	

4. Patient Primary Care Provider Name & ID No.

4.1. ID number (ST)

Primary Care Physician code.

4.2. family name

Physician Family Name

4.3. given name

Physician Given Name

4.9. assigning authority

Assigning authority that issued the physicians code.

PV1 - Patient visit

- Usage: Required

- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
2	Patient Class	R	1..1	IS	HL70004	
3	Assigned Patient Location	O	0..1	PL		
3.1	point of care	R	1..1	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		
7.3	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	

Seq.	Name	Opt.	Card.	Type	Table	Contents
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		
8.3	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	
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		
17.3	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	
18	Patient Type	O	0..1	IS	HL70018	
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	
44	Admit Date/Time	O	0..1	TS		
44.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
45	Discharge Date/Time	O	0..*	TS		
45.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600

2. Patient Class**3. Assigned Patient Location****4. Admission Type****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.

7.4. second and further given names or initials thereof

Middle name of the physician.

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

Name suffix, like SR

7.6. prefix (e.g., DR)

Name prefix, like Dr

7.9. assigning authority

Assigning Authority of attending physician code.

7.9.1. namespace ID

Identifier of the Assigning Authority that issued the attending physicians code.

8. Referring Doctor

Referring physician information (see detailed component description in PV1-7)

15. Ambulatory Status**16. VIP Indicator****17. Admitting Doctor**

Admitting physician information (see detailed component description in PV1-7)

18. Patient Type

19. Visit Number

44. Admit Date/Time

44.1. Date/Time

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

45. Discharge Date/Time

45.1. Date/Time

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

Segment group: Study

- Usage: Required
- Cardinality:1..*

ZOD

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

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Order placer number	R	1..1	EI		
1.1	entity identifier	R	1..1	ST		
1.2	namespace ID	R	1..1	IS	HL70363	
1.3	universal ID	O	0..	ST		
1.4	universal ID type	O	0..	ID	HL70301	
2	Order filler number	R	1..1	EI		
2.1	entity identifier	R	1..1	ST		
2.2	namespace ID	R	1..1	IS	HL70363	
2.3	universal ID	O	0..	ST		
2.4	universal ID type	O	0..	ID	HL70301	
3	Order creation date/time	R	1..1	DT		
4	Order priority	R	1..1	ID		
5	Order physician id	R	1..1	EI		
5.1	entity identifier	R	1..1	ST		
5.2	namespace ID	R	1..1	IS	HL70363	
5.3	universal ID	O	0..	ST		
5.4	universal ID type	O	0..	ID	HL70301	
6	Ordering department id	R	1..1	EI		

Seq.	Name	Opt.	Card.	Type	Table	Contents
6.1	entity identifier	R	1..1	ST		
6.2	namespace ID	R	1..1	IS	HL70363	
6.3	universal ID	O	0..	ST		
6.4	universal ID type	O	0..	ID	HL70301	
7	Ordering facility id	R	1..1	EI		
7.1	entity identifier	R	1..1	ST		
7.2	namespace ID	O	0..	IS	HL70363	
7.3	universal ID	O	0..	ST		
7.4	universal ID type	O	0..	ID	HL70301	
8	Accession number	R	1..1	ST		
9	Requested procedure id	R	1..1	ST		
10	Scheduled procedure step id	R	1..1	ST		
11	Studyuid	R	1..1	ST		
12	Exam code	R	1..1	EI		
12.1	entity identifier	R	1..1	ST		
12.2	namespace ID	R	1..1	IS	HL70363	
12.3	universal ID	O	0..	ST		
12.4	universal ID type	O	0..	ID	HL70301	
13	Performing department id	R	1..1	EI		
13.1	entity identifier	R	1..1	ST		
13.2	namespace ID	R	1..1	IS	HL70363	
13.3	universal ID	O	0..	ST		
13.4	universal ID type	O	0..	ID	HL70301	
14	Exam room	R	1..1	ST		
15	Technician id	R	1..1	EI		
15.1	entity identifier	R	1..1	ST		
15.2	namespace ID	R	1..1	IS	HL70363	
15.3	universal ID	O	0..	ST		
15.4	universal ID type	O	0..	ID	HL70301	
16	Exam Start Date/Time	CE	0..1	DT		
17	Exam Completed Date/Time	CE	0..1	DT		
18	Exam Cancelled Date/Time	CE	0..1	DT		
19	Acquisition Start Date/Time	CE	0..1	DT		
20	Report creation date/time	RE	0..1	DT		
21	Report validation date/time	RE	0..1	DT		
22	Report author id	R	1..1	EI		
22.1	entity identifier	R	1..1	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
22.2	namespace ID	R	1..1	IS	HL70363	
22.3	universal ID	O	0..	ST		
22.4	universal ID type	O	0..	ID	HL70301	
23	Report validator id	R	1..1	EI		
23.1	entity identifier	R	1..1	ST		
23.2	namespace ID	R	1..1	IS	HL70363	
23.3	universal ID	O	0..	ST		
23.4	universal ID type	O	0..	ID	HL70301	

1.1. entity identifier

Order placer number

1.2. namespace ID

Order placer number AA

2.1. entity identifier

Order filler number

2.2. namespace ID

Order filler number AA

3. Order creation date/time

Order creation date/time

4. Order 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

5.1. entity identifier

Ordering physician id

5.2. namespace ID

Ordering physician id AA

6.1. entity identifier

Ordering department id

6.2. namespace ID

Ordering department id AA

7.1. entity identifier

Ordering facility id

7.2. namespace ID

Ordering facility id AA

8. Accession number

Accession number

9. Requested procedure id

Requested procedure id

10. Scheduled procedure step id

Scheduled procedure step id

11. Studyuid

Studyuid

12.1. entity identifier

Exam code

12.2. namespace ID

Exam code AA

13.1. entity identifier

Performing department id

13.2. namespace ID

Performing department id AA

14. Exam room

Exam room

15.1. entity identifier

Technician id

15.2. namespace ID

Technician id AA

16. Exam Start Date/Time

Exam Start Date/Time

Condition Predicate:

Filled with the date/time when the first technologist task (preparation, acquisition or follow-up) has been completed or cancelled

17. Exam Completed Date/Time

Exam Completed Date/Time

Condition Predicate:

Filled when ALL technologist tasks have been completed and/or cancelled (but not all cancelled)

18. Exam Cancelled Date/Time

Exam Cancelled Date/Time

Condition Predicate:

Filled when ALL technologist tasks have been cancelled or when the study was really cancelled

19. Acquisition Start Date/Time

Acquisition Start Date/Time

Condition Predicate:

Filled when images are available with the study date/time from the dicom data

20. Report creation date/time

Report creation date/time

21. Report validation date/time

Report validation date/time

22.1. entity identifier

Report author id

22.2. namespace ID

Report author id AA

23.1. entity identifier

Report validator id

23.2. namespace ID

Report validator id AA

FT1 - Financial Transaction

- Usage: Required

- Cardinality:1..*

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - FT1	O	0..1	SI		
2	Transaction ID	O	0..1	ST		
3	Transaction Batch ID	O	0..1	ST		
4	Transaction Date	R	1..1	TS		
4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600

Seq.	Name	Opt.	Card.	Type	Table	Contents
5	Transaction Posting Date	O	0..1	TS		
5.1	Date/Time	R	1..1	NM		e.g. 20040328134602.1234+0600
6	Transaction Type	R	1..1	IS	HL70017	
7	Transaction Code	R	1..1	CE	HL70132	
7.1	identifier	R	1..1	ST		
7.2	text	R	1..1	ST		
7.3	name of coding system	R	1..1	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	
10	Transaction Quantity	O	0..1	NM		
11	Transaction Amount - Extended	O	0..1	TM		
12	Transaction Amount - Unit	O	0..1	CP		
12.1	price	O	0..	MO		
12.1.1	quantity	O	0..	NM		
12.1.2	denomination	O	0..	ID		
12.2	price type	O	0..	ID	HL70205	
12.3	from value	O	0..	NM		
12.4	to value	O	0..	NM		
12.5	range units	R	1..1	CE		
12.5.1	identifier	R	1..1	ST		
12.5.2	text	O	0..	ST		
12.5.3	name of coding system	O	0..	IS	HL70396	
12.5.4	alternate identifier	O	0..	ST		
12.5.5	alternate text	O	0..	ST		
12.5.6	name of alternate coding system	O	0..	IS	HL70396	
12.6	range type	O	0..	ID	HL70298	
13	Department Code	O	0..1	CE	HL70049	
13.1	identifier	R	1..1	ST		
13.2	text	R	1..1	ST		
13.3	name of coding system	R	1..1	IS	HL70396	
13.4	alternate identifier	O	0..	ST		
13.5	alternate text	O	0..	ST		
13.6	name of alternate coding system	O	0..	IS	HL70396	
16	Assigned Patient Location	O	0..1	PL		
16.1	point of care	O	0..	IS	HL70302	
16.2	room	O	0..	IS	HL70303	

Seq.	Name	Opt.	Card.	Type	Table	Contents
16.3	bed	O	0..	IS	HL70304	
16.4	facility (HD)	O	0..	HD		
16.4.1	namespace ID	O	0..	IS	HL70363	
16.4.2	universal ID	O	0..	ST		
16.4.3	universal ID type	O	0..	ID	HL70301	
16.5	location status	O	0..	IS	HL70306	
16.6	person location type	O	0..	IS	HL70305	
16.7	building	O	0..	IS	HL70307	
16.8	floor	O	0..	IS	HL70308	
16.9	Location description	O	0..	ST		
17	Fee Schedule	O	0..1	IS	HL70024	
18	Patient Type	O	0..1	IS	HL70018	
19	Diagnosis Code - FT1	RE	0..2	CE	HL70051	
19.1	identifier	R	1..1	ST		
19.2	text	R	1..1	ST		
19.3	name of coding system	R	1..1	IS	HL70396	
19.4	alternate identifier	O	0..	ST		
19.5	alternate text	O	0..	ST		
19.6	name of alternate coding system	O	0..	IS	HL70396	
20	Performed By Code	O	0..*	XCN	HL70084	
20.1	ID number (ST)	R	1..1	ST		
20.2	family name	R	1..1	FN		
20.2.1	surname	R	1..1	ST		
20.2.2	own surname prefix	O	0..	ST		
20.2.3	own surname	O	0..	ST		
20.2.4	surname prefix from partner/spouse	O	0..	ST		
20.2.5	surname from partner/spouse	O	0..	ST		
20.3	given name	R	1..1	ST		
20.4	second and further given names or initials thereof	O	0..	ST		
20.5	suffix (e.g., JR or III)	O	0..	ST		
20.6	prefix (e.g., DR)	O	0..	ST		
20.7	degree (e.g., MD)	O	0..	IS	HL70360	
20.8	source table	O	0..	IS	HL70297	
20.9	assigning authority	R	1..1	HD		
20.9.1	namespace ID	R	1..1	IS	HL70363	
20.9.2	universal ID	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
20.9.3	universal ID type	O	0..	ID	HL70301	
20.10	name type code	O	0..	ID	HL70200	
20.11	identifier check digit	O	0..	ST		
20.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
20.13	identifier type code (IS)	O	0..	IS		
20.14	assigning facility	O	0..	HD		
20.14.1	namespace ID	O	0..	IS	HL70363	
20.14.2	universal ID	O	0..	ST		
20.14.3	universal ID type	O	0..	ID	HL70301	
20.15	Name Representation code	O	0..	ID	HL70465	
20.16	name context	O	0..	CE	HL70448	
20.16.1	identifier	O	0..	ST		
20.16.2	text	O	0..	ST		
20.16.3	name of coding system	O	0..	IS	HL70396	
20.16.4	alternate identifier	O	0..	ST		
20.16.5	alternate text	O	0..	ST		
20.16.6	name of alternate coding system	O	0..	IS	HL70396	
20.17	name validity range	O	0..	DR		
20.17.1	range start date/time	O	0..	TS		
20.17.2	range end date/time	O	0..	TS		
20.18	name assembly order	O	0..	ID	HL70444	
21	Ordered By Code	O	0..*	XCN		
21.1	ID number (ST)	O	0..	ST		
21.2	family name	O	0..	FN		
21.2.1	surname	O	0..	ST		
21.2.2	own surname prefix	O	0..	ST		
21.2.3	own surname	O	0..	ST		
21.2.4	surname prefix from partner/spouse	O	0..	ST		
21.2.5	surname from partner/spouse	O	0..	ST		
21.3	given name	O	0..	ST		
21.4	second and further given names or initials thereof	O	0..	ST		
21.5	suffix (e.g., JR or III)	O	0..	ST		
21.6	prefix (e.g., DR)	O	0..	ST		
21.7	degree (e.g., MD)	O	0..	IS	HL70360	
21.8	source table	O	0..	IS	HL70297	
21.9	assigning authority	O	0..	HD		

Seq.	Name	Opt.	Card.	Type	Table	Contents
21.9.1	namespace ID	O	0..	IS	HL70363	
21.9.2	universal ID	O	0..	ST		
21.9.3	universal ID type	O	0..	ID	HL70301	
21.10	name type code	O	0..	ID	HL70200	
21.11	identifier check digit	O	0..	ST		
21.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
21.13	identifier type code (IS)	O	0..	IS		
21.14	assigning facility	O	0..	HD		
21.14.1	namespace ID	O	0..	IS	HL70363	
21.14.2	universal ID	O	0..	ST		
21.14.3	universal ID type	O	0..	ID	HL70301	
21.15	Name Representation code	O	0..	ID	HL70465	
21.16	name context	O	0..	CE	HL70448	
21.16.1	identifier	O	0..	ST		
21.16.2	text	O	0..	ST		
21.16.3	name of coding system	O	0..	IS	HL70396	
21.16.4	alternate identifier	O	0..	ST		
21.16.5	alternate text	O	0..	ST		
21.16.6	name of alternate coding system	O	0..	IS	HL70396	
21.17	name validity range	O	0..	DR		
21.17.1	range start date/time	O	0..	TS		
21.17.2	range end date/time	O	0..	TS		
21.18	name assembly order	O	0..	ID	HL70444	
22	Unit Cost	O	0..1	CP		
22.1	price	O	0..	MO		
22.1.1	quantity	O	0..	NM		
22.1.2	denomination	O	0..	ID		
22.2	price type	O	0..	ID	HL70205	
22.3	from value	O	0..	NM		
22.4	to value	O	0..	NM		
22.5	range units	O	0..	CE		
22.5.1	identifier	O	0..	ST		
22.5.2	text	O	0..	ST		
22.5.3	name of coding system	O	0..	IS	HL70396	
22.5.4	alternate identifier	O	0..	ST		
22.5.5	alternate text	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
22.5.6	name of alternate coding system	O	0..	IS	HL70396	
22.6	range type	O	0..	ID	HL70298	
23	Filler Order Number	O	0..1	EI		
23.1	entity identifier	R	1..1	ST		
23.2	namespace ID	R	1..1	IS	HL70363	
23.3	universal ID	O	0..	ST		
23.4	universal ID type	O	0..	ID	HL70301	
24	Entered By Code	O	0..*	XCN		
24.1	ID number (ST)	O	0..	ST		
24.2	family name	O	0..	FN		
24.2.1	surname	O	0..	ST		
24.2.2	own surname prefix	O	0..	ST		
24.2.3	own surname	O	0..	ST		
24.2.4	surname prefix from partner/spouse	O	0..	ST		
24.2.5	surname from partner/spouse	O	0..	ST		
24.3	given name	O	0..	ST		
24.4	second and further given names or initials thereof	O	0..	ST		
24.5	suffix (e.g., JR or III)	O	0..	ST		
24.6	prefix (e.g., DR)	O	0..	ST		
24.7	degree (e.g., MD)	O	0..	IS	HL70360	
24.8	source table	O	0..	IS	HL70297	
24.9	assigning authority	O	0..	HD		
24.9.1	namespace ID	O	0..	IS	HL70363	
24.9.2	universal ID	O	0..	ST		
24.9.3	universal ID type	O	0..	ID	HL70301	
24.10	name type code	O	0..	ID	HL70200	
24.11	identifier check digit	O	0..	ST		
24.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
24.13	identifier type code (IS)	O	0..	IS		
24.14	assigning facility	O	0..	HD		
24.14.1	namespace ID	O	0..	IS	HL70363	
24.14.2	universal ID	O	0..	ST		
24.14.3	universal ID type	O	0..	ID	HL70301	
24.15	Name Representation code	O	0..	ID	HL70465	
24.16	name context	O	0..	CE	HL70448	
24.16.1	identifier	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
24.16.2	text	O	0..	ST		
24.16.3	name of coding system	O	0..	IS	HL70396	
24.16.4	alternate identifier	O	0..	ST		
24.16.5	alternate text	O	0..	ST		
24.16.6	name of alternate coding system	O	0..	IS	HL70396	
24.17	name validity range	O	0..	DR		
24.17.1	range start date/time	O	0..	TS		
24.17.2	range end date/time	O	0..	TS		
24.18	name assembly order	O	0..	ID	HL70444	
25	Procedure Code	R	1..1	CE	HL70088	
25.1	identifier	R	1..1	ST		
25.2	text	R	1..1	ST		
25.3	name of coding system	R	1..1	IS	HL70396	
25.4	alternate identifier	O	0..	ST		
25.5	alternate text	O	0..	ST		
25.6	name of alternate coding system	O	0..	IS	HL70396	
26	Procedure Code Modifier	O	0..2	CE	HL70340	
26.1	identifier	R	1..1	ST		
26.2	text	R	1..1	ST		
26.3	name of coding system	R	1..1	IS	HL70396	
26.4	alternate identifier	O	0..	ST		
26.5	alternate text	O	0..	ST		
26.6	name of alternate coding system	O	0..	IS	HL70396	

1. Set ID - FT1

2. Transaction ID

Fill with 'E' + accession number (in case of billing code) / 'P' + accession number (in case of a product)

3. Transaction Batch ID

Our internal batch id where the generated billing message belongs to. Only to be filled in case the billing pipeline is configured to run in batch mode. In that case, all billing events that are processed during one billing run belong to its same unique batch.

4. Transaction Date

The date/time when all technologist tasks were completed/cancelled

4.1. Date/Time

If EI is configured to send timezone information, datetime format YYYYMMDD[HHHMM[SS]][+ZZZZ] is used else YYYYMMDD[HHHMM [SS]] is used

5. Transaction Posting Date

The date/time when this billing event for this study was processed

5.1. Date/Time

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

6. Transaction Type

CG (in case of a charge message), CD (in case of a credit message)

7. Transaction Code

Use as procedure definition. For example: CTFOOT^CT FOOT^

7.1. identifier

Procedure definition code

7.2. text

Procedure definition name

7.3. name of coding system

Procedure definition AA

10. Transaction Quantity

Fill with 1 for a billing code / the number of units for a product

11. Transaction Amount - Extended**12. Transaction Amount - Unit****12.5. range units**

Empty for a billing code / fill with the unit value (g/dl, ml __) belonging to the number of units of an administered product

13. Department Code**13.1. identifier**

Performing department code

13.2. text

Performing department name

13.3. name of coding system

Performing department AA

16. Assigned Patient Location**17. Fee Schedule****18. Patient Type****19. Diagnosis Code - FT1**

Fill with the list of diagnostic codes linked to this study. Multiple values are allowed and must be delimited by ~.

19.1. identifier

diagnostic code

19.2. text

diagnostic code name

19.3. name of coding system

diagnostic code coding system (corresponds with the value from the code catalogue _C ICD9CM_)

20. Performed By Code

Fill with the physician that signed the report

20.1. ID number (ST)

code

20.2. family name

last name

20.3. given name

first name

20.9. assigning authority

code AA

21. Ordered By Code**22. Unit Cost****23. Filler Order Number****23.1. entity identifier**

Order filler number

23.2. namespace ID

Order filler number AA

24. Entered By Code

25. Procedure Code

Fill with the billing code / product details linked to the exam. For example: 84485^TRYPsin DUOL FLU^CPT code, AI-D-00025^CATETER^

25.1. identifier

Billing code / product code

25.2. text

Billing code description / product description

25.3. name of coding system

Billing code coding system / no codes system for products

26. Procedure Code Modifier

Contains the list of code modifiers to the procedure code reported in FT1(25). Multiple values are allowed and must be delimited by ~. In case of technical charge/credit message, start the list of modifiers with modifier 'TC'. In case of professional charge/credit message, start with modifier '26'.

26.1. identifier

Modifier code

26.2. text

Modifier text

26.3. name of coding system

Modifier coding system (the value from the modifier catalogue)

End of segment group Study

OBX - Observation/Result

- Usage: Required but may be empty

- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBX	R	1..1	SI		
2	Value Type	R	1..1	ID	HL70125	
3	Observation Identifier	R	1..1	CE		
3.1	identifier	R	1..1	ST		
3.2	text	R	1..1	ST		
3.4	alternate identifier	C	0..	ST		
3.5	alternate text	O	0..	ST		
4	Observation Sub-Id	R	1..1	ST		
5	Observation Value	R	1..1	*		
7	References Range	O	0..1	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
8	Abnormal Flags	O	0..1	IS	HL70078	
9	Probability	O	0..*	NM		
11	Observation Result Status	R	1..1	ID	HL70085	

1. Set ID - OBX

2. Value Type

Supported value(s)
- TX

3. Observation Identifier

the attachment definition

3.1. identifier

Attachement code

3.2. text

Attachement name

3.4. alternate identifier

accession number

Condition Predicate:

study or performed procedure step level attachment

3.5. alternate text

Fixed code:

- ACC for study level attachment
- PAT for patient level attachment
- REP for report level attachment
- PPS for performed procedure step level attachment
- ORD for order level attachment

4. Observation Sub-Id

unique key identifying a specific attachment (primary key of attachment)

5. Observation Value

Attachment information :

- the actual attachment text for text attachments
- the actual keyword value for keyword attachments
- "" in case attachment is empty and attachment type is configured as 'Include in HL7 outbound communication'

Patient arrived information:

- YES
- NO

*supported image types: NONE
pregnancy information:
- YES/NO/UNKNOWN

7. References Range

8. Abnormal Flags

9. Probability

11. Observation Result Status

fixed value = O Order detail description only (no result)