

# HL7 Conformance Profile

# **(R)IS INBOUND SIU S13**

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**Publication date:**

October, 2017

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## About this Conformance Profile

Segments present in the message structure, but marked as -not supported- are allowed to be present in the message, but are not processed.

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

When messages are received via HL7 MLLP (socket) HL7Server5 processes the message before sending an acknowledgement message.

HL7Server5 only supports original mode acknowledgements, enhanced acks are not supported.

Please verify length attributes at the lowest level of detail if a field consists of components, subcomponents.

For more information on HL7 conformance profiles please consult HL7 ANSI standard chapter 2 and HL7 Implementation/Conformance Technical Committee documents at <http://www.hl7.org/special/committees/ictc/docs.cfm>

## Conformance parameters

### Message Profile

- HL7 Version: 2.4
- Profile Type: Constraining
- Topics: confsig-AGFA-2.4-profile-accNE\_accNE-Immediate

### Encoding Method (s)

ER7, XML

## Interaction 1

### Dynamic Definition

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

### Static Definition

- Event Description: SIU/ACK - Notification of appointment rescheduling
- Message Type: SIU
- Trigger Event: S13
- Message Structure: SIU\_S12
- Topics: confsig-AGFA-2.4-static-SIU-S13-null-SIU\_S12-2005.3.1--Receiver

### Message structure

```
MSH SCH {[NTE]} [ { [PID {[PD1]} [PV1] {[PV2]} {[OBX]} {[DG1]} ] } { RGS [ { AIS {[NTE]} ] } [ {
AIG {[NTE]} ] } [ { AIL {[NTE]} ] } [ { AIP {[NTE]} ] } ] }
```

### MSH - Message Header

- Usage: Required
- Cardinality:1..1

| Seq. | Name                 | Type   | Table   | Len. | Opt. | Card. | Contents                       |
|------|----------------------|--------|---------|------|------|-------|--------------------------------|
| 1    | Field Separator      | ST     |         | 1    | R    | 1..1  | e.g.                           |
| 2    | Encoding Characters  | ST     |         | 4    | R    | 1..1  | e.g. ^~\&                      |
| 3    | Sending Application  | HD     |         | 227  | R    | 1..1  |                                |
| 3.1  | namespace ID         | IS     |         | 50   | R    | ..    | e.g. HIS1                      |
| 4    | Sending Facility     | HD     |         | 227  | O    | 0..1  |                                |
| 4.1  | namespace ID         | IS     |         | 50   | O    | ..    | e.g. FAC1                      |
| 7    | Date/Time Of Message | TS     |         | 26   | R    | 1..1  |                                |
| 7.1  | Date/Time            | NM     |         | 24   | R    | ..    | e.g.<br>20060125163934110      |
| 9    | Message Type         | CM_MSG | HL70076 | 15   | R    | 1..1  |                                |
| 9.1  | message type         | ID     | HL70076 | 3    | R    | ..    | e.g. SIU                       |
| 9.2  | trigger event        | ID     | HL70003 | 3    | R    | ..    | e.g. S13                       |
| 9.3  | message structure    | ID     | HL70354 | 7    | O    | ..    | e.g. SIU_S12                   |
| 10   | Message Control ID   | ST     |         | 20   | R    | 1..1  | e.g.<br>UC01_TR02A_00000003329 |
| 11   | Processing ID        | PT     |         | 3    | R    | 1..1  |                                |
| 11.1 | processing ID        | ID     | HL70103 | 3    | R    | ..    | e.g. P                         |
| 12   | Version ID           | VID    | HL70104 | 973  | R    | 1..1  |                                |
| 12.1 | version ID           | ID     | HL70104 | 60   | R    | ..    | e.g. 2.4                       |
| 18   | Character Set        | ID     | HL70211 | 16   | O    | 0..*  | e.g. 8859/1                    |

#### 1. Field Separator

This field contains the separator between the segment ID and the first real field, MSH-2-encoding characters. As such it serves as the separator and defines the character to be used as a separator for the rest of the message. Recommended value and used by Agfa is |, (ASCII 124).

#### 2. Encoding Characters

This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. Recommended values and used by Agfa Healthcare are ^~\&, (ASCII 94, 126, 92, and 38).

### 3. Sending Application

This field uniquely identifies the sending application among all other applications within the network enterprise. The network enterprise consists of all those applications that participate in the exchange of HL7 messages within the enterprise. Entirely site-defined and a parameter for Agfa.

### 7. Date/Time Of Message

This field contains the date/time that the sending system created the message. If the time zone is specified, it is expected to be the local time zone !

### 9.3. message structure

Only used/required when the message is hl7 v2.xml encoded

### 10. Message Control ID

This field contains a number or other identifier that uniquely identifies the message. The receiving system echoes this ID back to the sending system in the Message acknowledgment segment (MSA).

### 11.1. processing ID

No difference in processing by HL7SERVER5 if Production or Test

### 12.1. version ID

Versions supported by HL7SERVER5 are 2.2, 2.3, 2.3.1, 2.4

### 18. Character Set

Character set has to be a subset of the Windows ANSI codepage of the pc where HL7SERVER5 is running ! e.g. ISO 8859/1 on a windows 1252 code page UTF-8 is not supported !

## **SCH - Scheduling Activity Information**

- Usage: Required

- Cardinality:1..1

| Seq.   | Name                        | Type | Table | Len. | Opt. | Card. | Contents                      |
|--------|-----------------------------|------|-------|------|------|-------|-------------------------------|
| 2      | Filler Appointment ID       | EI   |       | 427  | R    | 1..1  |                               |
| 2.1    | entity identifier           | ST   |       | 20   | R    | ..    | e.g. 000253                   |
| 6      | Event Reason                | CE   |       | 483  | R    | 1..1  |                               |
| 6.2    | text                        | ST   |       | 254  | O    | ..    | e.g. Pain in the chest        |
| 7      | Appointment Reason          | CE   |       | 483  | C    | 0..1  |                               |
| 7.1    | identifier                  | ST   |       | 50   | O    | ..    | e.g. CHUPPAL                  |
| 7.2    | text                        | ST   |       | 254  | O    | ..    | e.g. Chest Erect PA + Lateral |
| 7.3    | name of coding system       | IS   |       | 20   | O    | ..    | e.g. RAD                      |
| 11     | Appointment Timing Quantity | TQ   |       | 1545 | R    | 1..*  |                               |
| 11.3   | duration                    | ST   |       | 10   | C    | ..    | e.g. M15                      |
| 11.4   | start date/time             | TS   |       | 26   | R    | ..    |                               |
| 11.4.1 | Date/Time                   | NM   |       | 24   | R    | ..    | e.g. 200602241500             |
| 11.5   | end date/time               | TS   |       | 27   | R    | ..    |                               |
| 11.5.1 | Date/Time                   | NM   |       | 24   | R    | ..    | e.g. 200602241515             |
| 11.6   | priority                    | ST   |       | 3    | O    | ..    | e.g. S                        |
| 12     | Placer Contact Person       | XCN  |       | 3002 | O    | 0..*  |                               |

| Seq.   | Name                    | Type | Table   | Len. | Opt. | Card. | Contents       |
|--------|-------------------------|------|---------|------|------|-------|----------------|
| 12.1   | ID number (ST)          | ST   |         | 15   | O    | ..    | e.g. 13131     |
| 12.2   | family name             | FN   |         | 184  | O    | ..    |                |
| 12.2.1 | surname                 | ST   |         | 40   | O    | ..    | e.g. WESTGEEST |
| 12.3   | given name              | ST   |         | 30   | O    | ..    | e.g. MARC      |
| 15     | Placer Contact Location | PL   |         | 1230 | O    | 0..1  |                |
| 15.1   | point of care           | IS   |         | 15   | O    | ..    | e.g. ORTHO     |
| 16     | Filler Contact Person   | XCN  |         | 3002 | R    | 1..1  |                |
| 16.1   | ID number (ST)          | ST   |         | 15   | O    | ..    |                |
| 16.2   | family name             | FN   |         | 184  | O    | ..    |                |
| 16.2.1 | surname                 | ST   |         | 40   | O    | ..    |                |
| 20     | Entered By Person       | XCN  |         | 3002 | R    | 1..1  |                |
| 20.1   | ID number (ST)          | ST   |         | 40   | O    | ..    | e.g. CLERK1    |
| 20.2   | family name             | FN   |         | 184  | O    | ..    |                |
| 20.2.1 | surname                 | ST   |         | 40   | O    | ..    |                |
| 25     | Filler Status Code      | CE   | HL70278 | 483  | O    | 0..1  |                |
| 25.1   | identifier              | ST   |         | 20   | O    | ..    | e.g. Booked    |
| 26     | Placer Order Number     | EI   |         | 427  | O    | 0..2  |                |
| 26.1   | entity identifier       | ST   |         | 50   | O    | ..    | e.g. 4646464   |
| 26.2   | namespace ID            | IS   |         | 20   | O    | ..    | e.g. HIS       |

## 2.1. entity identifier

Unique appointment id in the scheduling application

## 6. Event Reason

Required by HL7

### 6.2. text

Appointment remark

## 7. Appointment Reason

Procedure code

*Condition Predicate:*

Only used when there's no AIS segment present

### 11.3. duration

*Condition Predicate:*

Only used when componedate/time is empty

#### 11.4.1. Date/Time

Date/time the examination starts

#### 11.5. end date/time

QPlanner restriction: appointment end date should be on the same day as the appointment start date

#### 11.6. priority

Mapping via parameter PriorityMap

## 12. Placer Contact Person

Requesting physician

## 15. Placer Contact Location

Requesting department

## 16. Filler Contact Person

Required for hl7, but not stored in the database

## 20. Entered By Person

Required for hl7 but not stored in the database

## 25. Filler Status Code

When value is COMPLETE the appointment is considered "done" This field is also use to mark appointments as tentative.

## 26. Placer Order Number

Used to link the appointment to an order created in a 3rd party order placer system.

## NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..\*
- Implementation note: Appointment remark or clinical information

| Seq. | Name         | Type | Table   | Len.  | Opt. | Card. | Contents                      |
|------|--------------|------|---------|-------|------|-------|-------------------------------|
| 3    | Comment      | FT   |         | 65536 | O    | 0..*  | e.g. Patient cannot walk fast |
| 4    | Comment Type | CE   | HL70364 | 483   | O    | 0..1  |                               |
| 4.1  | identifier   | ST   |         | 10    | O    | ..    | e.g. RE                       |

### 4.1. identifier

If value = CI the comment is stored as clinical information.

## Segment group: PATIENT

- Usage: Optional
- Cardinality: 0..1

## Segment group: PATIENT

- Usage: Required
- Cardinality:1..\*

## PID - Patient identification

- Usage: Required
- Cardinality:1..1
- Implementation note: If the patient doesn't exist yet in the Agfa db the patient record is created. If the patient already exists his/her data is NOT updated unless you modify default parameter values.

| Seq.  | Name                                             | Type | Table   | Len. | Opt. | Card. | Contents    |
|-------|--------------------------------------------------|------|---------|------|------|-------|-------------|
| 2     | Patient ID                                       | CX   |         | 1913 | O    | 0..1  |             |
| 2.1   | ID                                               | ST   |         | 20   | O    | ..    |             |
| 3     | Patient Identifier List                          | CX   |         | 1913 | R    | 1..*  |             |
| 3.1   | ID                                               | ST   |         | 20   | R    | ..    | e.g. 001791 |
| 3.2   | Check digit                                      | ST   |         | 200  | O    | ..    |             |
| 3.3   | code identifying the check digit scheme employed | ID   | HL70061 | 200  | O    | ..    |             |
| 3.4   | assigning authority                              | HD   |         | 603  | O    | ..    |             |
| 3.4.1 | namespace ID                                     | IS   |         | 200  | O    | ..    | e.g. HIS    |
| 3.4.2 | universal ID                                     | ST   |         | 200  | O    | ..    |             |

| Seq.   | Name                                               | Type | Table   | Len. | Opt. | Card. | Contents                |
|--------|----------------------------------------------------|------|---------|------|------|-------|-------------------------|
| 3.4.3  | universal ID type                                  | ID   |         | 200  | O    | ..    |                         |
| 3.5    | identifier type code (ID)                          | ID   | HL70203 | 200  | O    | ..    | e.g. MR                 |
| 3.6    | assigning facility                                 | HD   |         | 603  | O    | ..    |                         |
| 3.6.1  | namespace ID                                       | IS   |         | 200  | O    | ..    | e.g. FACILITY1          |
| 3.6.2  | universal ID                                       | ST   |         | 200  | O    | ..    |                         |
| 3.6.3  | universal ID type                                  | ID   |         | 200  | O    | ..    |                         |
| 3.7    | effective date (DT)                                | DT   |         | 24   | O    | ..    | e.g. 20051107           |
| 3.8    | expiration date                                    | DT   |         | 24   | O    | ..    |                         |
| 4      | Alternate Patient ID - PID                         | CX   |         | 1913 | O    | 0..1  |                         |
| 4.1    | ID                                                 | ST   |         | 20   | O    | ..    | e.g. 1234567            |
| 5      | Patient Name                                       | XPN  |         | 1103 | R    | 1..1  |                         |
| 5.1    | family name                                        | FN   |         | 174  | O    | ..    |                         |
| 5.1.1  | surname                                            | ST   |         | 30   | R    | ..    | e.g. O Connor           |
| 5.2    | given name                                         | ST   |         | 30   | O    | ..    | e.g. Jane               |
| 5.3    | second and further given names or initials thereof | ST   |         | 30   | O    | ..    | e.g. C                  |
| 5.4    | suffix (e.g., JR or III)                           | ST   |         | 15   | O    | ..    |                         |
| 5.5    | prefix (e.g., DR)                                  | ST   |         | 100  | O    | ..    | e.g. DR.                |
| 6      | Mother's Maiden Name                               | XPN  |         | 1103 | O    | 0..1  |                         |
| 6.1    | family name                                        | FN   |         | 174  | O    | ..    |                         |
| 6.1.1  | surname                                            | ST   |         | 30   | O    | ..    |                         |
| 7      | Date/Time Of Birth                                 | TS   |         | 26   | O    | 0..1  |                         |
| 7.1    | Date/Time                                          | NM   |         | 24   | R    | ..    | e.g. 19931022           |
| 8      | Administrative Sex                                 | IS   | HL70001 | 1    | O    | 0..1  | e.g. F                  |
| 11     | Patient Address                                    | XAD  |         | 631  | O    | 0..*  |                         |
| 11.1   | street address (SAD)                               | SAD  |         | 318  | O    | ..    |                         |
| 11.1.1 | street or mailing address                          | ST   |         | 254  | O    | ..    | e.g. Kortrijksesteenweg |
| 11.2   | other designation                                  | ST   |         | 20   | O    | ..    | e.g. 254                |
| 11.3   | city                                               | ST   |         | 30   | O    | ..    | e.g. Sint Martens Latem |
| 11.4   | state or province                                  | ST   |         | 20   | O    | ..    | e.g. OVL                |
| 11.5   | zip or postal code                                 | ST   |         | 20   | O    | ..    | e.g. 9831               |
| 11.6   | country                                            | ID   |         | 20   | O    | ..    | e.g. BEL                |
| 11.7   | address type                                       | ID   | HL70190 | 10   | O    | ..    | e.g. P                  |
| 13     | Phone Number - Home                                | XTN  |         | 850  | O    | 0..1  |                         |
| 13.1   | [(999)] 999-9999 [X99999][C any text]              | TN   |         | 15   | O    | ..    |                         |
| 13.5   | Country Code                                       | NM   |         | 15   | O    | ..    | e.g. 32                 |
| 13.6   | Area/city code                                     | NM   |         | 15   | O    | ..    | e.g. 3                  |
| 13.7   | Phone number                                       | NM   |         | 15   | O    | ..    | e.g. 4448150            |
| 13.8   | Extension                                          | NM   |         | 15   | O    | ..    | e.g. 500                |
| 14     | Phone Number - Business                            | XTN  |         | 850  | O    | 0..1  |                         |
| 14.1   | [(999)] 999-9999 [X99999][C any text]              | TN   |         | 15   | O    | ..    | e.g. 024448150          |
| 14.5   | Country Code                                       | NM   |         | 15   | O    | ..    |                         |

| Seq.   | Name                        | Type | Table   | Len. | Opt. | Card. | Contents         |
|--------|-----------------------------|------|---------|------|------|-------|------------------|
| 14.6   | Area/city code              | NM   |         | 15   | O    | ..    |                  |
| 14.7   | Phone number                | NM   |         | 15   | O    | ..    |                  |
| 14.8   | Extension                   | NM   |         | 15   | O    | ..    |                  |
| 15     | Primary Language            | CE   |         | 483  | O    | 0..1  |                  |
| 15.1   | identifier                  | ST   |         | 20   | O    | ..    | e.g. EN          |
| 16     | Marital Status              | CE   | HL70002 | 483  | O    | 0..1  |                  |
| 16.1   | identifier                  | ST   |         | 10   | O    | ..    | e.g. M           |
| 17     | Religion                    | CE   | HL70006 | 483  | O    | 0..1  |                  |
| 17.1   | identifier                  | ST   |         | 40   | O    | ..    |                  |
| 17.2   | text                        | ST   |         | 40   | O    | ..    |                  |
| 18     | Patient Account Number      | CX   |         | 1913 | O    | 0..1  |                  |
| 18.1   | ID                          | ST   |         | 30   | O    | ..    | e.g. 2590852     |
| 18.4   | assigning authority         | HD   |         | 257  | O    | ..    |                  |
| 18.4.1 | namespace ID                | IS   |         | 50   | O    | ..    | e.g. HIS1        |
| 18.7   | effective date (DT)         | DT   |         | 24   | O    | ..    | e.g. 20051107    |
| 18.8   | expiration date             | DT   |         | 24   | O    | ..    |                  |
| 19     | SSN Number - Patient        | ST   |         | 50   | O    | 0..1  | e.g. 19931022175 |
| 23     | Birth Place                 | ST   |         | 30   | O    | 0..1  | e.g. Deinze      |
| 24     | Multiple Birth Indicator    | ID   | HL70136 | 1    | O    | 0..1  | e.g. Y           |
| 25     | Birth Order                 | NM   |         | 2    | O    | 0..1  | e.g. 2           |
| 26     | Citizenship                 | CE   | HL70171 | 483  | O    | 0..1  |                  |
| 26.1   | identifier                  | ST   |         | 20   | O    | ..    | e.g. BE          |
| 29     | Patient Death Date and Time | TS   |         | 26   | O    | 0..1  |                  |
| 29.1   | Date/Time                   | NM   |         | 24   | O    | ..    |                  |
| 30     | Patient Death Indicator     | ID   | HL70136 | 1    | O    | 0..1  | e.g. N           |

## 2. Patient ID

Please use PID-3 and map them using the parameters PIDDomainForCode, PIDDomainForHISCode ... to the PATIENTS.xxx columns

## 3. Patient Identifier List

Patient Identifier (list) which UNIQUELY identifies a single patient. Combination of components ID and Assigning Authority should be sufficient to UNIQUELY identify a patient.

## 3.4. assigning authority

Authority/System that generated the patient identifier

## 3.6. assigning facility

Facility in which the patient identifier was generated

## 4. Alternate Patient ID - PID

Please use PID-3 and map them using the parameters PIDDomainForCode, PIDDomainForHISCode ... to the PATIENTS.xxx columns

## 5. Patient Name

Patient name - no repetitions allowed!

## 6. Mother's Maiden Name

Sometimes used in France to exchange the patients maiden name

## 7. Date/Time Of Birth

Patient birth date - is a required field in the RIS database

## 11. Patient Address

The occurrence that has an address type (PID-11-7) of P or M or blank is considered the main address and is stored in the PATIENTS table. ALL occurrences are stored in PAT\_ADDRESSES.

### 11.6. country

In a multi-site environment with multiple HIS systems, make sure that each HIS is using the same code-set. HL7.org suggests the 3 character alphanumeric codes from the ISO 3366-1 table.

### 11.7. address type

In a multi-site environment with multiple HIS systems, make sure that each HIS is using the same code-set.

## 13. Phone Number - Home

Patients primary phone number - only the first occurrence is used !

## 14. Phone Number - Business

Additional (second) phone number

### 16.1. identifier

In a multi-site environment with multiple HIS systems, make sure that each HIS is using the same code-set.

## 18. Patient Account Number

Account number (billing) will be linked to the visit number (PV1-19). In a multi-site environment with multiple HIS systems, make sure that the component Assigning Authority is provided !

## 19. SSN Number - Patient

Social security number

## PD1 - patient additional demographic

- Usage: Not supported

## PV1 - Patient visit

- Usage: Optional

- Cardinality: 0..1

- Implementation note: By default a non ADT interface doesn't create/update visits, but refers to the visit identified by PV1-19

| Seq.   | Name                | Type | Table   | Len. | Opt. | Card. | Contents       |
|--------|---------------------|------|---------|------|------|-------|----------------|
| 2      | Patient Class       | IS   | HL70004 | 1    | R    | 1..1  | e.g. I         |
| 15     | Ambulatory Status   | IS   | HL70009 | 2    | O    | 0..1  |                |
| 18     | Patient Type        | IS   |         | 10   | O    | 0..1  | e.g. H1        |
| 19     | Visit Number        | CX   |         | 1913 | R    | 1..1  |                |
| 19.1   | ID                  | ST   |         | 20   | R    | ..    | e.g. 200411143 |
| 19.4   | assigning authority | HD   |         | 258  | O    | ..    |                |
| 19.4.1 | namespace ID        | IS   |         | 50   | O    | ..    | e.g. HIS1      |

## 2. Patient Class

Required by HL7 but not processed

## 15. Ambulatory Status

Patient mobility

## 18. Patient Type

Patient type (inpatient, outpatient)

## 19.4. assigning authority

Encouraged to use this component in a multi-site environment

## **PV2 - Patient visit - additional information**

- Usage: Not supported

## **OBX - Observation/Result**

- Usage: Optional

- Cardinality:0..\*

- Implementation note: Additional information - can be stored as user definable properties, xml, image or txt in Agfa RIS

| Seq. | Name                      | Type | Table   | Len.  | Opt. | Card. | Contents    |
|------|---------------------------|------|---------|-------|------|-------|-------------|
| 1    | Set ID - OBX              | SI   |         | 4     | O    | 0..1  | e.g. 1      |
| 2    | Value Type                | ID   | HL70125 | 2     | R    | 1..1  | e.g. NM     |
| 3    | Observation Identifier    | CE   |         | 483   | R    | 1..1  |             |
| 3.1  | identifier                | ST   |         | 20    | R    | ..    | e.g. WEIGHT |
| 3.2  | text                      | ST   |         | 50    | O    | ..    | e.g. Weight |
| 4    | Observation Sub-Id        | ST   |         | 20    | O    | 0..1  |             |
| 5    | Observation Value         | *    |         | 65536 | R    | 1..1  | e.g. 75     |
| 6    | Units                     | CE   |         | 483   | O    | 0..1  |             |
| 6.1  | identifier                | ST   |         | 20    | O    | ..    | e.g. kg     |
| 6.2  | text                      | ST   |         | 20    | O    | ..    |             |
| 11   | Observation Result Status | ID   | HL70085 | 1     | R    | 1..1  |             |

### 3.1. identifier

Property identifier

### 3.2. text

Property description

### 4. Observation Sub-Id

If present concatenated with the property id.

### 5. Observation Value

Property value

### 11. Observation Result Status

Required for HL7 but not used here.

## **DG1 - Diagnosis**

- Usage: Optional

- Cardinality:0..\*

- Implementation note: Used to link ICD9-CM or ICD10-CM diagnostic codes to an appointment.

| Seq. | Name                 | Type | Table   | Len. | Opt. | Card. | Contents   |
|------|----------------------|------|---------|------|------|-------|------------|
| 1    | Set ID - DG1         | SI   |         | 4    | R    | 1..1  | e.g. 1     |
| 3    | Diagnosis Code - DG1 | CE   | HL70051 | 483  | O    | 0..1  |            |
| 3.1  | identifier           | ST   |         | 20   | O    | ..    | e.g. 784.0 |
| 3.2  | text                 | ST   |         | 50   | O    | ..    |            |

| Seq. | Name                  | Type | Table   | Len. | Opt. | Card. | Contents |
|------|-----------------------|------|---------|------|------|-------|----------|
| 3.3  | name of coding system | IS   | HL70396 | 3    | O    | ..    | e.g. I9C |

### 3. Diagnosis Code - DG1

Diagnosis codes have to exist in the Agfa setup.

#### 3.3. name of coding system

I9C (=ICD-9-CM) and I10C (=ICD-10-CM) are supported

**End of segment group PATIENT**

**End of segment group PATIENT**

### Segment group: RESOURCES

- Usage: Required
- Cardinality:1..\*

#### RGS - Resource Group

- Usage: Required
- Cardinality:1..1

| Seq. | Name         | Type | Table | Len. | Opt. | Card. | Contents |
|------|--------------|------|-------|------|------|-------|----------|
| 1    | Set ID - RGS | SI   |       | 4    | R    | 1..1  | e.g. 1   |

### Segment group: SERVICE

- Usage: Optional
- Cardinality: 0..1

### Segment group: SERVICE

- Usage: Required
- Cardinality:1..\*

### AIS - Appointment Information - Service

- Usage: Required
- Cardinality:1..1

| Seq. | Name                         | Type | Table   | Len. | Opt. | Card. | Contents                      |
|------|------------------------------|------|---------|------|------|-------|-------------------------------|
| 1    | Set ID - AIS                 | SI   |         | 4    | R    | 1..1  | e.g. 1                        |
| 3    | Universal Service Identifier | CE   |         | 483  | R    | 1..1  |                               |
| 3.1  | identifier                   | ST   |         | 20   | R    | ..    | e.g. CHUPPAL                  |
| 3.2  | text                         | ST   |         | 50   | O    | ..    | e.g. Chest Erect PA + Lateral |
| 3.3  | name of coding system        | IS   |         | 20   | O    | ..    | e.g. RAD                      |
| 4    | Start Date/Time              | TS   |         | 26   | O    | 0..1  |                               |
| 5    | Start Date/Time Offset       | NM   |         | 20   | O    | 0..1  |                               |
| 7    | Duration                     | NM   |         | 20   | O    | 0..1  |                               |
| 8    | Duration Units               | CE   |         | 483  | O    | 0..1  |                               |
| 8.2  | text                         | ST   |         | 3    | O    | ..    |                               |
| 8.3  | name of coding system        | IS   | HL70396 | 3    | O    | ..    |                               |
| 8.4  | alternate identifier         | ST   |         | 3    | O    | ..    |                               |
| 8.5  | alternate text               | ST   |         | 3    | O    | ..    |                               |

| Seq. | Name                                    | Type | Table   | Len. | Opt. | Card. | Contents |
|------|-----------------------------------------|------|---------|------|------|-------|----------|
| 8.6  | name of alternate coding system         | IS   | HL70396 | 3    | O    | ..    |          |
| 11   | Placer Supplemental Service Information | CE   | HL70411 | 483  | O    | 0..2  |          |
| 11.1 | identifier                              | ST   |         | 20   | O    | ..    |          |

### 3. Universal Service Identifier

Exam/procedure

#### 3.3. name of coding system

Performing department id

#### 4. Start Date/Time

as from 2005.3.4

#### 5. Start Date/Time Offset

as from 2005.3.4

#### 7. Duration

as from 2005.3.4

#### 8. Duration Units

as from 2005.3.4

#### 11.1. identifier

Used to specify the exam more detailed, e.g. left - subdivision in QPlanner

### NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..\*
- Implementation note: Exam remark

| Seq. | Name    | Type | Table | Len.  | Opt. | Card. | Contents |
|------|---------|------|-------|-------|------|-------|----------|
| 3    | Comment | FT   |       | 65536 | O    | 0..1  |          |

**End of segment group SERVICE**

**End of segment group SERVICE**

### Segment group: GENERAL RESOURCE

- Usage: Optional
- Cardinality: 0..1

### Segment group: GENERAL RESOURCE

- Usage: Required
- Cardinality:1..\*

### AIG - Appointment Information - General Resource

- Usage: Required
- Cardinality:1..1
- Implementation note: Used for modalities or patient pre- and post-op time registration

| Seq. | Name         | Type | Table | Len. | Opt. | Card. | Contents    |
|------|--------------|------|-------|------|------|-------|-------------|
| 1    | Set ID - AIG | SI   |       | 4    | R    | 1..1  | e.g. 1      |
| 3    | Resource ID  | CE   |       | 483  | C    | 0..1  |             |
| 3.1  | identifier   | ST   |       | 20   | O    | ..    | e.g. 001791 |

| Seq. | Name                         | Type | Table | Len. | Opt. | Card. | Contents      |
|------|------------------------------|------|-------|------|------|-------|---------------|
| 3.2  | text                         | ST   |       | 30   | O    | ..    | e.g. 0 Connor |
| 4    | Resource Type                | CE   |       | 483  | R    | 1..1  |               |
| 4.1  | identifier                   | ST   |       | 20   | O    | ..    | e.g. PATIENT  |
| 9    | Start Date/Time Offset       | NM   |       | 20   | O    | 0..1  | e.g. -5       |
| 10   | Start Date/Time Offset Units | CE   |       | 483  | O    | 0..1  |               |
| 10.1 | identifier                   | ST   |       | 1    | O    | ..    | e.g. M        |
| 10.2 | text                         | ST   |       | 20   | O    | ..    | e.g. Minutes  |
| 11   | Duration                     | NM   |       | 20   | O    | 0..1  | e.g. 30       |
| 12   | Duration Units               | CE   |       | 483  | O    | 0..1  |               |
| 12.1 | identifier                   | ST   |       | 1    | O    | ..    | e.g. M        |
| 12.2 | text                         | ST   |       | 20   | O    | ..    | e.g. Minutes  |

### 3.1. identifier

Resource id or patient id

### 3.2. text

Resource name

### 4. Resource Type

If PATIENT - it's used for setting pre- and post-op times. Other resource types are considered modalities.

### 11. Duration

Total duration of the appointment, i.e. including pre-op and post-op

## NTE - Notes and Comments

- Usage: Not supported

*End of segment group GENERAL\_RESOURCE*

*End of segment group GENERAL\_RESOURCE*

## Segment group: LOCATION\_RESOURCE

- Usage: Optional

- Cardinality: 0..1

## Segment group: LOCATION\_RESOURCE

- Usage: Required

- Cardinality: 1..\*

## AIL - Appointment Information - Location Resource

- Usage: Required

- Cardinality: 1..1

- Implementation note: Used for exam rooms or performing department.

| Seq. | Name                 | Type | Table | Len. | Opt. | Card. | Contents       |
|------|----------------------|------|-------|------|------|-------|----------------|
| 1    | Set ID - AIL         | SI   |       | 4    | R    | 1..1  | e.g. 1         |
| 3    | Location Resource ID | PL   |       | 1230 | O    | 0..1  |                |
| 3.1  | point of care        | IS   |       | 20   | O    | ..    | e.g. RAD       |
| 3.2  | room                 | IS   |       | 20   | O    | ..    |                |
| 3.9  | Location description | ST   |       | 50   | O    | ..    | e.g. Radiology |
| 4    | Location Type-AIL    | CE   |       | 483  | R    | 1..1  |                |

| Seq. | Name       | Type | Table | Len. | Opt. | Card. | Contents |
|------|------------|------|-------|------|------|-------|----------|
| 4.1  | identifier | ST   |       | 1    | R    | ..    | e.g. D   |

### 3.1. point of care

Performing department id or exam room id

### 3.2. room

exam room id

### 4.1. identifier

D (performing department) or E (exam room)

## NTE - Notes and Comments

- Usage: Not supported

*End of segment group LOCATION\_RESOURCE*

*End of segment group LOCATION\_RESOURCE*

## Segment group: PERSONNEL\_RESOURCE

- Usage: Optional

- Cardinality: 0..1

## Segment group: PERSONNEL\_RESOURCE

- Usage: Required

- Cardinality: 1..\*

## AIP - Appointment Information - Personnel Resource

- Usage: Required

- Cardinality: 1..1

- Implementation note: Performing physician

| Seq.  | Name                  | Type | Table | Len. | Opt. | Card. | Contents        |
|-------|-----------------------|------|-------|------|------|-------|-----------------|
| 1     | Set ID - AIP          | SI   |       | 4    | R    | 1..1  | e.g. 1          |
| 3     | Personnel Resource ID | XCN  |       | 3002 | C    | 0..2  |                 |
| 3.1   | ID number (ST)        | ST   |       | 20   | O    | ..    | e.g. 12313      |
| 3.2   | family name           | FN   |       | 174  | O    | ..    |                 |
| 3.2.1 | surname               | ST   |       | 30   | O    | ..    | e.g. Performing |
| 3.3   | given name            | ST   |       | 20   | O    | ..    | e.g. Physician  |

## NTE - Notes and Comments

- Usage: Not supported

*End of segment group PERSONNEL\_RESOURCE*

*End of segment group PERSONNEL\_RESOURCE*

*End of segment group RESOURCES*