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# Technical HL7 Conformance Profile

# Enterprise Imaging

# WS PIX Outbound

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## Message Profile

### Conformance parameters

#### Message Profile

- HL7 Version: 2.5
- Profile Type: HL7
- Topics: confsig-Agfa Healthcare-2.5-profile-accNE\_accAL-Deferred

#### Encoding Method

ER7



## Interaction 1

### Dynamic Definition

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

### Static Definition

- Event Description: QBP - Find candidates
- Message Type: QBP
- Trigger Event: Q22
- Message Structure: QBP\_Q21
- Topics: confsig-Agfa Healthcare-2.5-static-QBP-Q22-null-QBP\_Q21-812SP5-FINAL-Sender

### Message structure

MSH QPD RCP

### MSH - Message Header

- Usage: Required
- Cardinality:1..1

| Seq. | Name                  | Opt. | Card. | Type | Table   | Contents             |
|------|-----------------------|------|-------|------|---------|----------------------|
| 1    | Field Separator       | R    | 1..1  | ST   |         | e.g.                 |
| 2    | Encoding Characters   | R    | 1..1  | ST   |         | e.g. ^~\&            |
| 3    | Sending Application   | R    | 1..1  | HD   | HL70361 |                      |
| 3.1  | namespace ID          | R    | 1..1  | IS   | HL70300 | e.g. XERO            |
| 3.2  | universal ID          | C    | 0..   | ST   |         |                      |
| 3.3  | universal ID type     | C    | 0..   | ID   | HL70301 |                      |
| 4    | Sending Facility      | R    | 1..1  | HD   | HL70362 |                      |
| 4.1  | namespace ID          | R    | 1..1  | IS   | HL70300 | e.g. AGFA            |
| 4.2  | universal ID          | C    | 0..   | ST   |         |                      |
| 4.3  | universal ID type     | C    | 0..   | ID   | HL70301 |                      |
| 5    | Receiving Application | R    | 1..1  | HD   | HL70361 |                      |
| 5.1  | namespace ID          | R    | 1..1  | IS   | HL70300 | e.g. XYZ_APPLICATION |
| 5.2  | universal ID          | C    | 0..   | ST   |         |                      |
| 5.3  | universal ID type     | C    | 0..   | ID   | HL70301 |                      |
| 6    | Receiving Facility    | R    | 1..1  | HD   | HL70362 |                      |
| 6.1  | namespace ID          | R    | 1..1  | IS   | HL70300 | e.g. XYZ_HOSPITAL    |
| 6.2  | universal ID          | C    | 0..   | ST   |         |                      |
| 6.3  | universal ID type     | C    | 0..   | ID   | HL70301 |                      |
| 7    | Date/Time Of Message  | R    | 1..1  | TS   |         |                      |
| 7.1  | time                  | R    | 1..1  | DTM  |         | e.g. 20150721103224  |
| 7.2  | degree of precision   | B    | ..    | ST   | HL70529 | e.g. D               |



| Seq.   | Name                            | Opt. | Card. | Type | Table   | Contents                                       |
|--------|---------------------------------|------|-------|------|---------|------------------------------------------------|
| 8      | Security                        | O    | 0..1  | ST   |         |                                                |
| 9      | Message Type                    | R    | 1..1  | MSG  |         |                                                |
| 9.1    | message code                    | R    | 1..1  | ID   | HL70076 | e.g. QBP                                       |
| 9.2    | trigger event                   | R    | 1..1  | ID   | HL70003 | e.g. Q23                                       |
| 9.3    | message structure               | R    | 1..1  | ID   | HL70354 | e.g. QBP_Q21                                   |
| 10     | Message Control ID              | R    | 1..1  | ST   |         | e.g. AGFA-dfdc282e-5938-465c-841a-e1942bf90124 |
| 11     | Processing ID                   | R    | 1..1  | PT   |         |                                                |
| 11.1   | processing ID                   | R    | 1..1  | ID   | HL70103 | e.g. P                                         |
| 11.2   | processing mode                 | O    | 0..   | ID   | HL70207 |                                                |
| 12     | Version ID                      | R    | 1..1  | VID  |         |                                                |
| 12.1   | version ID                      | R    | 1..1  | ID   | HL70104 | e.g. 2.5                                       |
| 12.2   | internationalization code       | O    | 0..   | CE   | HL70399 |                                                |
| 12.2.1 | identifier                      | O    | 0..   | ST   |         |                                                |
| 12.2.2 | text                            | O    | 0..   | ST   |         |                                                |
| 12.2.3 | name of coding system           | O    | 0..   | ID   | HL70396 |                                                |
| 12.2.4 | alternate identifier            | O    | 0..   | ST   |         |                                                |
| 12.2.5 | alternate text                  | O    | 0..   | ST   |         |                                                |
| 12.2.6 | name of alternate coding system | O    | 0..   | ID   | HL70396 |                                                |
| 12.3   | international version ID        | O    | 0..   | CE   |         |                                                |
| 12.3.1 | identifier                      | O    | 0..   | ST   |         |                                                |
| 12.3.2 | text                            | O    | 0..   | ST   |         |                                                |
| 12.3.3 | name of coding system           | O    | 0..   | ID   | HL70396 |                                                |
| 12.3.4 | alternate identifier            | O    | 0..   | ST   |         |                                                |
| 12.3.5 | alternate text                  | O    | 0..   | ST   |         |                                                |
| 12.3.6 | name of alternate coding system | O    | 0..   | ID   | HL70396 |                                                |
| 13     | Sequence Number                 | O    | 0..1  | NM   |         |                                                |
| 14     | Continuation Pointer            | O    | 0..1  | ST   |         |                                                |
| 15     | Accept Acknowledgment Type      | O    | 0..1  | ID   | HL70155 |                                                |
| 16     | Application Acknowledgment Type | O    | 0..1  | ID   | HL70155 |                                                |
| 17     | Country Code                    | O    | 0..1  | ID   | HL70399 |                                                |
| 18     | Character Set                   | O    | 0..*  | ID   | HL70211 |                                                |
| 19     | Principal Language Of Message   | O    | 0..1  | CE   |         |                                                |
| 19.1   | identifier                      | O    | 0..   | ST   |         |                                                |
| 19.2   | text                            | O    | 0..   | ST   |         |                                                |
| 19.3   | name of coding system           | O    | 0..   | ID   | HL70396 |                                                |
| 19.4   | alternate identifier            | O    | 0..   | ST   |         |                                                |
| 19.5   | alternate text                  | O    | 0..   | ST   |         |                                                |



| Seq. | Name                                    | Opt. | Card. | Type | Table   | Contents |
|------|-----------------------------------------|------|-------|------|---------|----------|
| 19.6 | name of alternate coding system         | O    | 0..   | ID   | HL70396 |          |
| 20   | Alternate Character Set Handling Scheme | O    | 0..1  | ID   | HL70356 |          |
| 21   | Message Profile Identifier              | O    | 0..*  | EI   |         |          |
| 21.1 | entity identifier                       | O    | 0..   | ST   |         |          |
| 21.2 | namespace ID                            | O    | 0..   | IS   | HL70363 |          |
| 21.3 | universal ID                            | C    | 0..   | ST   |         |          |
| 21.4 | universal ID type                       | C    | 0..   | ID   | HL70301 |          |

## 1. Field Separator

## 2. Encoding Characters

## 3. Sending Application

### 3.2. universal ID

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

### 3.3. universal ID type

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

## 4. Sending Facility

### 4.2. universal ID

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three

taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

### **4.3. universal ID type**

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

## **5. Receiving Application**

### **5.2. universal ID**

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

### **5.3. universal ID type**

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

## **6. Receiving Facility**

### **6.2. universal ID**

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity

identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

### **6.3. universal ID type**

*Condition Predicate:*

If the first component for the HD data type is present, the second and third components are optional. If the third component is present, then the second must also be present (although in this case the first is optional). The second and third components must either both be valued (both non-null), or both be not valued (both null). This means that if all three components of the HD are valued, the entity identified by the first component is the same as the entity identified by components two and three taken together. However, implementers may choose, by site agreement, to specify that if all three components of the HD are valued, the first component defines a member in the set defined by the second and third components.

## **7. Date/Time Of Message**

### **7.2. degree of precision**

Retained for backward compatibility only

## **8. Security**

## **9. Message Type**

## **10. Message Control ID**

## **11. Processing ID**

## **12. Version ID**

## **13. Sequence Number**

## **14. Continuation Pointer**

## **15. Accept Acknowledgment Type**

## **16. Application Acknowledgment Type**

## **17. Country Code**

## **18. Character Set**

## **19. Principal Language Of Message**

## **20. Alternate Character Set Handling Scheme**

## **21. Message Profile Identifier**

## QPD - Query Parameter Definition

- Usage: Required
- Cardinality:1..1

| Seq. | Name                                   | Opt. | Card. | Type   | Table   | Contents                                        |
|------|----------------------------------------|------|-------|--------|---------|-------------------------------------------------|
| 1    | Message Query Name                     | R    | 1..1  | CE     | HL70471 |                                                 |
| 1.1  | identifier                             | R    | 1..1  | ST     |         | e.g. IHE PIX Query                              |
| 1.2  | text                                   | O    | 0..   | ST     |         |                                                 |
| 1.3  | name of coding system                  | O    | 0..   | ID     | HL70396 |                                                 |
| 1.4  | alternate identifier                   | O    | 0..   | ST     |         |                                                 |
| 1.5  | alternate text                         | O    | 0..   | ST     |         |                                                 |
| 1.6  | name of alternate coding system        | O    | 0..   | ID     | HL70396 |                                                 |
| 2    | Query Tag                              | R    | 1..1  | ST     |         | e.g. QUERY-21fbc7d4-c1d5-49aa-a6a8-8694e865e121 |
| 3    | User Parameters (in successive fields) | R    | 1..1  | varies |         | e.g. 1                                          |

### 1. Message Query Name

### 2. Query Tag

### 3. User Parameters (in successive fields)

## RCP - Response Control Parameter

- Usage: Required
- Cardinality:1..1

| Seq.  | Name                            | Opt. | Card. | Type | Table   | Contents |
|-------|---------------------------------|------|-------|------|---------|----------|
| 1     | Query Priority                  | R    | 1..1  | ID   | HL70091 | e.g. I   |
| 2     | Quantity Limited Request        | O    | 0..1  | CQ   | HL70126 |          |
| 2.1   | Quantity                        | O    | 0..   | NM   |         |          |
| 2.2   | units                           | O    | 0..   | CE   |         |          |
| 2.2.1 | identifier                      | O    | 0..   | ST   |         |          |
| 2.2.2 | text                            | O    | 0..   | ST   |         |          |
| 2.2.3 | name of coding system           | O    | 0..   | ID   | HL70396 |          |
| 2.2.4 | alternate identifier            | O    | 0..   | ST   |         |          |
| 2.2.5 | alternate text                  | O    | 0..   | ST   |         |          |
| 2.2.6 | name of alternate coding system | O    | 0..   | ID   | HL70396 |          |
| 3     | Response Modality               | O    | 0..1  | CE   | HL70394 |          |
| 3.1   | identifier                      | O    | 0..   | ST   |         |          |
| 3.2   | text                            | O    | 0..   | ST   |         |          |
| 3.3   | name of coding system           | O    | 0..   | ID   | HL70396 |          |
| 3.4   | alternate identifier            | O    | 0..   | ST   |         |          |
| 3.5   | alternate text                  | O    | 0..   | ST   |         |          |



| Seq. | Name                            | Opt. | Card. | Type | Table   | Contents                      |
|------|---------------------------------|------|-------|------|---------|-------------------------------|
| 3.6  | name of alternate coding system | O    | 0..   | ID   | HL70396 |                               |
| 4    | Execution and Delivery Time     | C    | 0..1  | TS   |         |                               |
| 4.1  | time                            | R    | 1..1  | DTM  |         | e.g. 20040328134623.1234+0300 |
| 4.2  | degree of precision             | B    | ..    | ST   | HL70529 | e.g. D                        |
| 5    | Modify Indicator                | O    | 0..1  | ID   | HL70395 |                               |
| 6    | Sort-by Field                   | O    | 0..*  | SRT  |         |                               |
| 6.1  | sort-by field                   | R    | 1..1  | ST   |         |                               |
| 6.2  | sequencing                      | O    | 0..   | ID   | HL70397 |                               |
| 7    | Segment group inclusion         | O    | 0..*  | ID   |         |                               |

## 1. Query Priority

## 2. Quantity Limited Request

### 2.1. Quantity

## 3. Response Modality

## 4. Execution and Delivery Time

### 4.2. degree of precision

Retained for backward compatibility only

## 5. Modify Indicator

## 6. Sort-by Field

## 7. Segment group inclusion