

Technical HL7 Conformance Profile

Enterprise Imaging

WS PDQ Oubound Q22

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Corporate address:

Agfa HealthCare
SIV Connectivity
Septestraat 27
B-2640 Mortsel
Belgium
+32 3 444 7588
<http://www.agfahealthcare.com/>
email : connectivity@agfa.com

Message Profile

Conformance parameters

Message Profile

- HL7 Version: 2.5
- Profile Type: HL7

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

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. 20150721101906
7.2	degree of precision	B	..	ST	HL70529	e.g. D
8	Security	O	0..1	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
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. Q22
9.3	message structure	R	1..1	ID	HL70354	e.g. QBP_Q21
10	Message Control ID	R	1..1	ST		e.g. AGFA-f27a1479-1063-40a1-91c7-85d457422eed
11	Processing ID	R	1..1	PT		
11.1	processing ID	R	1..1	ID	HL70103	e.g. T
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		
19.6	name of alternate coding system	O	0..	ID	HL70396	

Seq.	Name	Opt.	Card.	Type	Table	Contents
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.

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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

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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 PDQ 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-7e673687-c473-4cae-9f70-aedb49987eb9
3	User Parameters (in successive fields)	O	0..1	varies		

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