

# HL7 Conformance Profile

# **Mediweb OUL R21**

---

**Copyright notice:**

Copyright 2014 AGFA HealthCare  
All rights reserved

Agfa, the Agfa rhombus, Point of Knowledge, and See More. Do More, ... (other trademarks) are trademarks of Agfa Gevaert N.V., Belgium or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement.

The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications which must be met by Agfa. All information contained herein is intended for guidance purposes only, and characteristics of the products described in this publication can be changed at any time without notice.

Products may not be available for your local area. Please contact your local sales representative for availability information.

Agfa diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

**Publication date:**

December, 2014

**Corporate address:**

AGFA HealthCare  
SEPTESTAAT 27  
B-2640 MORTSEL  
BELGIUM  
+32(3)4448400

## Conformance parameters

### Message Profile

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

### Encoding Method

ER7

## Interaction 1

### Dynamic Definition

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

### Static Definition

- Message Type: OUL
- Trigger Event: R21
- Message Structure: OUL\_R21
- Topics: confsig-Agfa-2.5-static-OUL-R21-null-OUL\_R21-2005.1.4--Sender

### Message structure

MSH [ PID {[NTE]} ] [ PV1 ] { [ SAC ] [ORC] OBR {[NTE]} { OBX {[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	
2	Encoding Characters	ST		4	R	1..1	
3	Sending Application	HD	HL70361	227	O	0..1	
3.1	namespace ID	IS	HL70300	20	O	..	
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS	HL70300	20	O	..	
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS	HL70300	20	O	..	
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS	HL70300	20	O	..	
7	Date/Time Of Message	TS		26	R	1..1	
7.1	time	DTM		14	R	..	e.g. 20040328134623
7.2	degree of precision	ST	HL70529		B	..	e.g. D
8	Security	ST		40	O	0..1	
9	Message Type	MSG		15	R	1..1	
9.1	message code	ID	HL70076	3	R	..	
9.2	trigger event	ID	HL70003	3	R	..	
9.3	message structure	ID	HL70354	7	R	..	
10	Message Control ID	ST		20	R	1..1	
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	1	O	..	
12	Version ID	VID		973	R	1..1	
12.1	version ID	ID	HL70104	5	O	..	
14	Continuation Pointer	ST		3	O	0..1	

#### 7.1. time

YYYYMMDDHHMMSS

## 7.2. degree of precision

Retained for backward compatibility only

## 9.1. message code

fixed value: 'OUL'

## 9.2. trigger event

fixed value: 'R24'

## 9.3. message structure

fixed value: 'OUL\_R24'

## Segment group: g10

- Usage: Optional

- Cardinality: 0..1

## PID - Patient Identification

- Usage: Required

- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - PID	SI		3	O	0..1	
2	Patient ID	CX		1913	O	0..1	
2.1	ID number	ST		20	R	..	
3	Patient Identifier List	CX		1913	R	1..*	
3.1	ID number	ST		200	R	..	
3.4	assigning authority	HD	HL70363	407	O	..	
3.4.1	namespace ID	IS	HL70300	200	O	..	
3.5	identifier type code	ID	HL70203	200	O	..	
3.6	assigning facility	HD		407	O	..	
3.6.1	namespace ID	IS	HL70300	200	O	..	
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID number	ST		3	O	..	
5	Patient Name	XPN		1103	O	0..*	
5.1	family name	FN		174	O	..	
5.1.1	surname	ST		30	O	..	
5.2	given name	ST		30	O	..	
5.3	second and further given names or initials thereof	ST		30	O	..	
5.4	suffix (e.g., JR or III)	ST		3	O	..	
5.5	prefix (e.g., DR)	ST		3	O	..	
6	Mother_s Maiden Name	XPN		1103	O	0..*	
6.1	family name	FN		174	O	..	
6.1.1	surname	ST		30	O	..	
6.2	given name	ST		30	O	..	
6.7	name type code	ID	HL70200	1	O	..	
7	Date/Time of Birth	TS		26	O	0..1	
7.1	time	DTM		14	R	..	e.g. 20040328134623
8	Administrative Sex	IS	HL70001	1	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
11	Patient Address	XAD		631	O	0..*	
11.1	street address	SAD		328	O	..	
11.1.1	street or mailing address	ST		264	O	..	
11.3	city	ST		30	O	..	
11.4	state or province	ST		40	O	..	
11.5	zip or postal code	ST		20	O	..	
11.6	country	ID	HL70399	40	O	..	
13	Phone Number - Home	XTN		850	O	0..*	
13.1	telephone number	ST		31	O	..	
18	Patient Account Number	CX		1913	O	0..1	
18.1	ID number	ST		3	O	..	
18.4	assigning authority	HD	HL70363	387	O	..	
18.4.1	namespace ID	IS	HL70300	180	O	..	
19	SSN Number - Patient	ST		50	O	0..1	
23	Birth Place	ST		30	O	0..1	
29	Patient Death Date and Time	TS		26	O	0..1	
29.1	time	DTM		14	R	..	e.g. 20040328134623

### 3.1. ID number

patient\_identifiers.pid\_id, patients.p\_natnumber

### 3.4.1. namespace ID

patient\_id\_assigning\_auth.pidasauth\_nam espaceid

### 3.5. identifier type code

patient\_id\_assigning\_auth.pidasauth\_nam espaceid

### 3.6.1. namespace ID

patient\_id\_assigning\_facility.pidasfac\_na mespaceid

### 4.1. ID number

patients.p\_extracode

### 5.1.1. surname

patients.p\_name

### 5.2. given name

patients.p\_fname

### 5.3. second and further given names or initials thereof

patients.p\_mname

### 6.1.1. surname

patients.p\_name

### 6.2. given name

patients.p\_fname

### 6.7. name type code

fixed value: 'B'

### 7.1. time

YYYYMMDDHHMMSS patients.p\_born

## 8. Administrative Sex

patients.p\_sex

### 11.1.1. street or mailing address

patients.p\_street & patients.p\_streetnr

### 11.3. city

patients.p\_town

### 11.4. state or province

patient\_items['PROVINCE'].pi\_value

### 11.5. zip or postal code

patients.p\_zip

### 11.6. country

patients.p\_country

### 13.1. telephone number

patients.p\_phone ~ patients.p\_phone

## 19. SSN Number - Patient

patients.p\_siscode

## 23. Birth Place

patients.p\_birthplace

### 29.1. time

YYYYMMDDHHMMSS patients.p\_datedied

## NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..\*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..*	

## 3. Comment

lab\_service\_request\_ci.lsrc\_value

*End of segment group g10*

## Segment group: g20

- Usage: Optional

- Cardinality: 0..1

## PV1 - Patient Visit

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
19	Visit Number	CX		1913	O	0..1	
19.1	ID number	ST		20	O	..	

### 19.1. ID number

used in select service\_episodes.se\_admission\_number

### End of segment group g2O

### Segment group: g3R

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

### Segment group: g4O - g3R.g4O

- Usage: Optional
- Cardinality: 0..1

### SAC - Specimen Container detail

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	External Accession Identifier	EI		427	B	0..*	
3	Container Identifier	EI		427	O	0..1	
3.1	entity identifier	ST		64	O	..	
6	Specimen Source	SPS		4436	O	0..1	
6.1	specimen source name or code	CWE		804	O	..	
6.1.1	identifier	ST		64	O	..	
6.1.2	text	ST		254	O	..	
8	Container Status	CE	HL70370	483	O	0..1	
8.1	identifier	ST	HL70370	10	O	..	
23	Initial Specimen Volume	NM		3	O	0..1	
24	Volume Units	CE		483	O	0..1	
24.1	identifier	ST		3	O	..	
24.2	text	ST		3	O	..	

#### 8.1. identifier

lab\_sample.ls\_status

### End of segment group g4O

### ORC - Common Order

- Usage: Optional
- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
13	Enterer's Location	PL		1230	O	0..1	
13.1	point of care	IS	HL70302	100	O	..	
13.2	room	IS	HL70303	3	O	..	

### OBR - Observation Request

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		4	O	0..1	
3	Filler Order Number	EI		427	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3.1	entity identifier	ST		64	O	..	
3.2	namespace ID	IS	HL70363	64	O	..	
4	Universal Service Identifier	CE		483	O	0..1	
4.1	identifier	ST		64	O	..	
4.2	text	ST		254	O	..	
4.3	name of coding system	ID	HL70396	64	O	..	
4.4	alternate identifier	ST		16	O	..	
7	Observation Date/Time	TS		26	O	0..1	
7.1	time	DTM		14	O	..	e.g. 20040328134623
13	Relevant Clinical Information	ST		254	O	0..1	
14	Specimen Received Date/Time	TS		26	O	0..1	
14.1	time	DTM		14	O	..	e.g. 20040328134623
15	Specimen Source	SPS		4436	O	0..1	
15.1	specimen source name or code	CWE		994	O	..	
15.1.1	identifier	ST		254	O	..	
15.1.2	text	ST		254	O	..	
16	Ordering Provider	XCN		3002	O	0..*	
16.1	ID numbee	ST		20	O	..	
16.2	family name	FN		244	O	..	
16.2.1	surname	ST		100	O	..	
16.3	given name	ST		30	O	..	
20	Filler Field 1	ST		3	O	0..1	
22	Results Rpt/Status Chng - Date/Time	TS		26	O	0..1	
22.1	time	DTM		14	O	..	e.g. 20040328134623
24	Diagnostic Serv Sect ID	ID	HL70074	3	O	0..1	
25	Result Status	ID	HL70123	10	O	0..1	
26	Parent Result	PRL		755	O	0..1	
26.1	parent observation identifier	CE		382	O	..	
26.1.1	identifier	ST		64	O	..	
26.1.2	text	ST		10	O	..	
26.1.3	name of coding system	ID	HL70396	64	O	..	
27	Quantity/Timing	TQ		1545	O	0..1	
27.6	priority	ST		3	O	..	
32	Principal Result Interpreter	NDL		835	O	0..1	
32.1	name	CNS		414	O	..	
32.1.1	ID number	ST		20	O	..	

### 3.1. entity identifier

lab\_service\_request.lsr\_service\_request\_id

### 3.2. namespace ID

lab\_service\_request.lsr\_filler\_id

### 4.1. identifier

lab\_topic.lto\_code



#### 4.2. text

lab\_topic.lto\_name

#### 4.3. name of coding system

lab\_topic.lto\_codesys

#### 4.4. alternate identifier

lab\_topic.lto\_position

#### 7.1. time

YYYYMMDDHHMMSS lab\_sample.ls\_collectiondate, lab\_service\_request.createdate,  
lab\_service\_request.versiondate

#### 13. Relevant Clinical Information

lab\_service\_request\_ci.lsrc\_value, lab\_blob.lb\_value

#### 14. Specimen Received Date/Time

YYYYMMDDHHMMSS lab\_sample.ls\_receivedate

##### 15.1.1. identifier

lab\_sample\_ci.lsc\_value

##### 15.1.2. text

lab\_sample\_ci.lsc\_value

#### 16.1. ID numbee

doctors.d\_hospitalkey

#### 16.2.1. surname

doctors.d\_lname

#### 16.3. given name

doctors.d\_fname

#### 22.1. time

YYYYMMDDHHMMSS lab\_sample.ls\_versiondate, lab\_service\_request.lsr\_versiondate

#### 24. Diagnostic Serv Sect ID

lab\_service\_request\_ci.lsrc\_value

#### 25. Result Status

lab\_sample.ls\_status, lab\_service\_request.lsr\_status

### NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..\*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..*	
4	Comment Type	CE	HL70364	483	O	0..1	
4.1	identifier	ST		20	O	..	

#### 3. Comment

lab\_sample\_ci.lsc\_value

##### 4.1. identifier

lab\_class\_item\_def.lci\_code

### Segment group: g4R - g3R.g4R

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

## **OBX - Observation/Result**

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Value Type	ID	HL70125	254	O	0..1	
3	Observation Identifier	CE		483	O	0..1	
3.1	identifier	ST		64	O	..	
3.2	text	ST		254	O	..	
3.3	name of coding system	ID	HL70396	64	O	..	
3.4	alternate identifier	ST		16	O	..	
4	Observation Sub-ID	ST		10	O	0..1	
5	Observation Value	varies		3	O	0..*	
6	Units	CE		483	O	0..1	
6.1	identifier	ST		254	O	..	
7	References Range	ST		254	O	0..1	
8	Abnormal Flags	IS	HL70078	254	O	0..*	
11	Observation Result Status	ID	HL70085	10	O	0..1	
14	Date/Time of the Observation	TS		26	O	0..1	
14.1	time	DTM		3	O	..	e.g. 20040328134623

### **2. Value Type**

lab\_result\_ci.lrc\_value

### **3.1. identifier**

lab\_test\_def.lt\_code, lab\_topic.lto\_code

### **3.2. text**

lab\_test\_def.lt\_name, lab\_topic.lto\_name

### **3.3. name of coding system**

lab\_test\_def.lt\_codesys, lab\_topic.codesys

### **3.4. alternate identifier**

lab\_topic.lto\_position

### **4. Observation Sub-ID**

lab\_result.lr\_test\_sub\_id

### **6.1. identifier**

lab\_measurement\_def.lm\_value

### **7. References Range**

lab\_measurement\_def.lm\_value

### **8. Abnormal Flags**

lab\_result.lr\_abnormal

### **11. Observation Result Status**

lab\_result.lr\_status

### **14.1. time**

YYYYMMDDHHMMSS lab\_result.lr\_date

## **NTE - Notes and Comments**

- Usage: Optional
- Cardinality:0..\*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..*	

### **3. Comment**

lab\_result\_ci.lrc\_value

*End of segment group g4R*

*End of segment group g3R*