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# HL7 Conformance Profile

# Mediweb OUL R22

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## 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: R22
- Message Structure: OUL^R22
- Topics: confsig-Agfa-2.5-static-OUL-R22-null-OUL^R22-2005.1.4--Sender

### Message structure

MSH [ PID {[NTE]} ] [ PV1 ] { SPM { OBR {[NTE]} [{ TQ1 }] [{ 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		180	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: 'R22'

## 9.3. message structure

fixed value: 'OUL\_R22'

## Segment group: PATIENT

- 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		20	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
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

## 2.1. ID number

patients.p\_extracode, patients.p\_code

## 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

## 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
1	Set ID - NTE	SI		4	O	0..1	
2	Source of Comment	ID	HL70105	8	O	0..1	
3	Comment	FT		254	O	0..*	
4	Comment Type	CE	HL70364	483	O	0..1	
4.1	identifier	ST		20	O	..	
4.2	text	ST		199	O	..	
4.3	name of coding system	ID	HL70396	20	O	..	
4.4	alternate identifier	ST		20	O	..	
4.5	alternate text	ST		199	O	..	
4.6	name of alternate coding system	ID	HL70396	20	O	..	

### 3. Comment

lab\_service\_request\_ci.lsrc\_value

### *End of segment group PATIENT*

## Segment group: VISIT

- 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 VISIT*

## Segment group: SPECIMEN

- Usage: Required

- Cardinality:1..\*

### SPM - Specimen

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Specimen ID	EIP		855	O	0..1	
2.1	placer assigned identifier	EI		231	O	..	
2.1.1	entity identifier	ST		3	O	..	
2.2	filler assigned identifier	EI		231	O	..	
2.2.1	entity identifier	ST		3	O	..	

## **Segment group: ORDER**

- Usage: Required

- Cardinality:1..\*

## **OBR - Observation Request**

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		3	O	0..1	
3	Filler Order Number	EI		427	O	0..1	
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	254	O	0..1	
25	Result Status	ID	HL70123	10	O	0..1	
26	Parent Result	PRL		755	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
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

#### 14.1. 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
1	Set ID - NTE	SI		4	O	0..1	
2	Source of Comment	ID	HL70105	8	O	0..1	
3	Comment	FT		254	O	0..*	
4	Comment Type	CE	HL70364	483	O	0..1	
4.1	identifier	ST		20	O	..	
4.2	text	ST		199	O	..	
4.3	name of coding system	ID	HL70396	20	O	..	
4.4	alternate identifier	ST		20	O	..	
4.5	alternate text	ST		199	O	..	
4.6	name of alternate coding system	ID	HL70396	20	O	..	

## 3. Comment

lab\_sample\_ci.lsc\_value

### 4.1. identifier

lab\_class\_item\_def.lci\_code

## Segment group: TIMING QTY

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

## TQ1 - Timing/Quantity

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
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*End of segment group TIMING\_QTY*

## Segment group: RESULT

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

## 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	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
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		14	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 RESULT*

*End of segment group ORDER*

*End of segment group SPECIMEN*