
HL7 Conformance Profile

Mediweb OUL R21

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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: 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: g1O

- 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