



## *DEASP Electronic Sick Cert Specification*

### *Healthlink Development Unit*

Document History	
Created	10/11/2017
Written By	Karen Wynne
Document Version	0.12

#### Version History

Date	Version	Authors	Change
10/11/2017	0.1	Karen Wynne	Initial draft.
11/01/2018	0.2	Karen Wynne	Spec review after meeting with DEASP
29/01/2018	0.3	Karen Wynne	Update title and references to Sick Cert rather than Illness Benefit
26/02/2018	0.4	Karen Wynne	Update spec with details of DEASP response message
05/03/2018	0.5	Karen Wynne	Set 'Primary nature of condition' to mandatory, updated Local codes.
09/03/2018	0.6	Karen Wynne	Include 'Not Applicable' as value for Physical effort, include link to Healthlink website for further information.
08/06/2018	0.7	Tomislav Brajkovic	Amended Section 4 and 8 to have COMPLETEGP.HEALTHLINK.62 in the message examples.
27/08/2018	0.8	Karen Wynne	Included additional PV1.7 segment to capture Medical Council Number of certifying doctor.
03/09/2018	0.9	Karen Wynne	Capture DSP Panel No in PV1.8 rather than PV1.7
05/09/2018	0.10	Karen Wynne	Update xml sample illustrating Illness SCT code
13/02/2019	0.11	Karen Wynne	Addition of 3 fields requested by DEASP: Final Cert Indicator, Certification Duration &

			Cert Form Type
21/02/2019	0.12	Karen Wynne	Update 'Primary nature of condition' to be mandatory for Med1 only. Remove 'Certificate Duration'. Make 'To Date' mandatory.

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## 1. Document Aim

The purpose of this document is to outline the process involved in transmitting electronic sick certificate messages from GP practice systems to the Department of Employment Affairs and Social Protection (DEASP). The message standard and version is the same as is used in GP messaging nationally, Health Level Seven (HL7) version 2.4 with XML encoding, in conformance with the Health Information and Quality Authority (HIQA) GP Messaging standard. See <http://www.healthlink.ie/services.htm> for further details on GP messaging.

## 2. Overview

The current sick cert process involves the GP manually filling out a sick cert form during a patient visit, which is then given to the patient who in turn sends it off to the DEASP. The DEASP then have to scan each cert received. This project will see this process automated whereby electronic sick certs are submitted from the GP practice system to the DEASP via Healthlink.

The submission on an electronic cert will be taken as the signature of the sending GP. The observation date/time will reflect the time of the creation of the cert along with the date of signature.

The following data points are required by HL7 and/or Healthlink for the processing of a message:

<b>Data Point</b>	<b>Segment</b>	<b>Values</b>
GP Medical Council Number	MSH.4	e.g. 123456
Patient Name	PID.5	Surname, first name
Patient DOB	PID.7	yyyymmdd
Patient Gender	PID.8	M/F/N/U
Patient Address	PID.11	First line of address
Patient Consent	PV1.2	CP (consent present), CA (consent absent)

The following data points are required as part of a sick cert message:

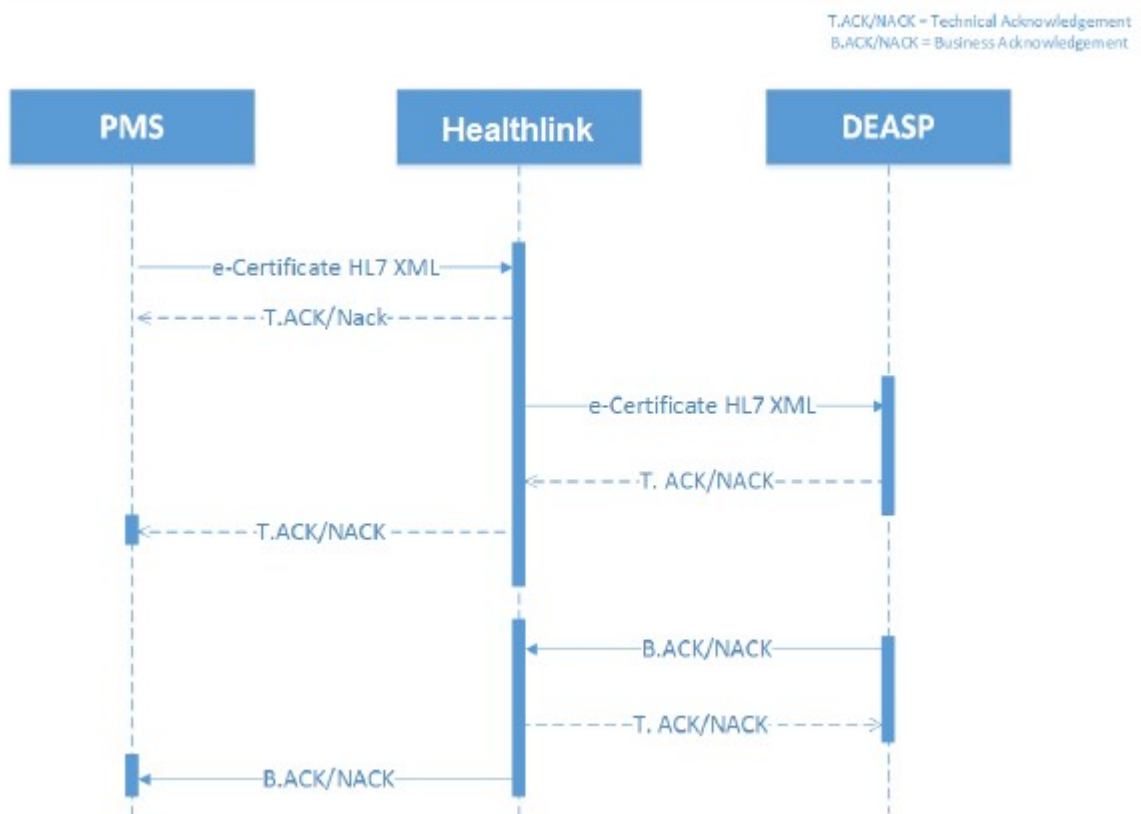
<b>Data Point</b>	<b>Segment</b>	<b>Values</b>
Patient PPSN	PID.3	e.g. 1234567L
MCN of certifying doctor (GP or locum)	PV1.7	
GP DSP Panel No	PV1.8	e.g. 01234
Sick Cert	OBR.4	
Cert Form Type	OBX	MED1/MED2
Sick From Date	OBX	yyyymmdd
Sick To Date	OBX	yyyymmdd
Nature of condition	OBX	ICD-10 code & value to be given for primary condition

Physical effort required in current employment	OBX	Light/Moderate/Heavy/Not Applicable
In hospital?	OBX	Yes/No
Final Cert Indicator	OBX	Yes/No

### 3. Message Flow

A sick cert message is generated and sent as an ORU\_R01 message type from a GP to the DEASP. An acknowledgement message (ACK) is returned from the DEASP back to the GP.

For each sick cert submitted a corresponding response message will be returned to the GP from DEASP indicating whether the claim has been accepted or rejected. Each response message will generate an Ack back to the DEASP.



### 4. Electronic Sick Certificate Message

An unsolicited Observation Message (ORU\_R01) should be generated by the GP Practice Software System for each sick certification. The DEASP will return an Acknowledgement Message (ACK\_R01), one for each certification (ORU\_R01) message received.

ORU^R01

```
MSH
{
[
```

Unsolicited Observation Message

Message Header

Chapter

2

<u>ORU^R01</u>	<u>Unsolicited Observation Message</u>	<u>Chapter</u>
PID	Patient Identification	3
[PD1]	Additional Demographics	3
[{NK1}]	Next of Kin/Associated Parties	3
[{NTE}]	Notes and Comments	2
[		
PV1	Patient Visit	3
[PV2]	Patient Visit - Additional Info	3
]		
{		
[ORC]	Order common	4
<u>OBR</u>	Observations Report ID	7
[{NTE}]	Notes and comments	2
[CTD]	Contact Data	11
{		
[ <u>OBX</u> ]	Observation/Result	7
[{NTE}]	Notes and comments	2
}		
[ <u>FT1</u> ]	Financial Transaction	6
[ <u>CTI</u> ]	Clinical Trial Identification	7
}		
}		
[DSC]	Continuation Pointer	2

These are the segments used in this implementation:

<b>ORU_R01</b>	<b>Segment</b>	<b>HL7 Chapter</b>
MSH	Message Header	2
PID	Patient Identification	3
PV1	Patient Visit	3
OBR	Observation Request	4
OBX	Observation	7

### Message Header Segment (MSH)

<b>Field</b>	<b>Mand</b>	<b>Value</b>	<b>Comment</b>	<b>HL7</b>
Sending Application	Yes	HELIXPM.HEALTH LINK.62	Made up of name of GP Practice Software System, Healthlink and Healthlink Message Type, see <a href="#">code tables</a> for possible values	<MSH.3>
Sending Facility	Yes		GP's Medical Council Number	<MSH.4>
Receiving Application	No	DEASP (Constant)	Defined application within DEASP	<MSH.5>
Receiving Facility	Yes	99992	Code allocated to DEASP	<MSH.6>
Date/time of message	Yes	YYYYMMDDHHM MSS		<MSH.7>
Message Type	Yes	ORU_R01		<MSH.9>
Message Control ID	Yes	ORU2017111616 2054003564	Uniquely identifies the message. The format used to generate the	<MSH.10>

			Message Control ID is "ORU" + date and time in the format YYYYMMDDHHMMSS + GP's 6 digit Medical Council Number. Note the max length of this field is 50 characters.	
Processing ID	Yes	P		<MSH.11>
Version ID	Yes	2.4	HL7 version number	<MSH.12>
Accept ACK Type	Yes	AL	ACK always expected	<MSH.15>

### Patient Identification Segment (PID)

Field	Mand	Value	Comment	HL7
Patient Identifier	Yes	1234567A	Patient PPSN.	<PID.3>
Patient Name	Yes	Varchar(50)	Surname, first name	<PID.5>
Date of Birth	Yes	YYYYMMDD	Min: 19000101 Max: current date	<PID.7>
Gender	Yes	F, M, N, U	F - female, M - male N – not applicable, U - unknown	<PID.8>
Address	Yes	Four lines, each line Varchar(30)	First line of address is mandatory	<PID.11>

### Patient Visit Segment (PV1)

Field	Mand	Value	Comment	HL7
Patient Class	Yes	CP	Consent Present	<PV1.2>
Referring doctor	Yes	Identifies referring GP	Contains MCN of certifying GP	<PV1.7>
Referring doctor	Yes	Identifies referring GP	Contains DSP Panel No.	<PV1.8>

\*Note: if the patient has not given consent to the GP the cert will not be processed electronically.

### Observation Request Segment (OBR)

Field	Mand	Value	Comment	HL7
Set ID	Yes	Numeric	Value 1	<OBR.1>
Universal Service Identifier	Yes	Sick cert	SNOMED/LOINC code and name for observation request	<OBR.4>
Observation	Yes	Date/time	Date of the consultation	<OBR.7>

time				
------	--	--	--	--

### Observation Result Segment (OBX)

Field	Mand	Value	Comment	HL7
Set ID	Yes	Numeric	Starts at 1 and incrementally increases, order is not significant	<OBX.1>
Value type	Yes	FT, NM, CE	FT for formatted text, NM for numeric, CE for coded entry	<OBX.2>
Observation identifier	Yes	SNOMED/LOINC/ICD-10 code and name for observation result. Local code where others not available.	See <a href="#">Codes for OBX Segments</a> ,	<OBX.3>
Observation value	Yes		Value of Observation. ICD-10 code required for 'Nature of Condition' segment	<OBX.5>
Observation result status	Yes	F (Constant)	F for final	<OBX.11>
Date/time of observation	Yes	Date/time	Timestamp	<OBX.14>

### Message Segments

#### MSH:

The first five lines are standard in all ORU\_R01 messages and show the XML declaration, the XML names space and, in the <MSH.1> and <MSH.2> fields, the legacy field separator and encoding characters used in traditional encoded HL7.

The practice software system, which is the sending application <MSH.3>, is called HELIXPM for Helix Practice Manager. See [Codes for Practice Software Systems](#) for list of GP practice software systems.

The sending facility <MSH.4> is the GP's medical council number. Please fill all three components of this field, <HD.1>, <HD.2> and <HD.3>. The format is GP's family name and first name separated by comma, code, coding system, where L signifies a local coding system.

The receiving application <MSH.5> is the DEASP application.

The receiving facility <MSH.6> is the selected hospital/facility.

<MSH.7> is the date/time the message was created. The format is YYYYMMDDHHMMSS.



MSH.9 is the message type.

MSH.10 is the Message Control ID. This uniquely identifies the message and is provided by Healthlink. The format used to generate the Healthlink Message Control ID for messages is "ORU" + date and time in the format YYYYMMDDHHMMSS + GP's 6 digit medical council number. Using the above format, the length of this field is 23 characters. Information systems working with electronic referrals must be able to accommodate up to 199 characters in this MSH.10 field.

MSH.11 is the Processing ID. P is for production, D is for debugging or testing and T for training. Always use P.

MSH.12 is the HL7 version number, 2.4.

MSH.15 Accept Acknowledgement Type will be AL for always because the system expects to get an acknowledgement back.

```
<?xml version="1.0" encoding="UTF-8"?>
<ORU_R01 xmlns="urn:h17-org:v2xml">
  <MSH>
    <MSH.1>|</MSH.1>
    <MSH.2>^~\&amp;</MSH.2>
    <MSH.3>
      <HD.1>COMPLETEGP.HEALTHLINK.62</HD.1>
      <HD.2/>
      <HD.3/>
    </MSH.3>
    <MSH.4>
      <HD.1>Dr. Smith, John</HD.1>
      <HD.2>123564.4444</HD.2>
      <HD.3>MCN.HLPracticeID</HD.3>
    </MSH.4>
    <MSH.5>
      <HD.1>DEASP</HD.1>
      <HD.2/>
      <HD.3/>
    </MSH.5>
    <MSH.6>
      <HD.1>DEASP</HD.1>
      <HD.2>99992</HD.2>
      <HD.3>L</HD.3>
    </MSH.6>
    <MSH.7>
      <TS.1>20171116103136</TS.1>
    </MSH.7>
    <MSH.9>
      <MSG.1>ORU</MSG.1>
      <MSG.2>R01</MSG.2>
    </MSH.9>
    <MSH.10>ORU20171116103136003564</MSH.10>
    <MSH.11>
      <PT.1>P</PT.1>
    </MSH.11>
    <MSH.12>
      <VID.1>2.4</VID.1>
```

```
</MSH.12>  
<MSH.15>AL</MSH.15>  
</MSH>
```

### Patient Identification Segment (PID):

The practice software system must populate the patient demographics segment in the message submitted to Healthlink. The patient's PPSN should be the only identifier transmitted to DEASP.

```
<ORU_R01.PATIENT_RESULT>  
<ORU_R01.PATIENT>  
<PID>  
<PID.3>  
<CX.1>4111114L</CX.1>  
<CX.4>  
<HD.1>DSP</HD.1>  
<HD.2/>  
<HD.3/>  
</CX.4>  
<CX.5>PPSN</CX.5>  
</PID.3>  
<PID.5>  
<XPN.1>  
<FN.1>Mouse</FN.1>  
</XPN.1>  
<XPN.2>Michael</XPN.2>  
<XPN.5>Mr</XPN.5>  
<XPN.7>L</XPN.7>  
</PID.5>  
<PID.7>  
<TS.1>19700505</TS.1>  
</PID.7>  
<PID.8>N</PID.8>  
<PID.11>  
<XAD.1>  
<SAD.1>58 SEA VIEW</SAD.1>  
</XAD.1>  
<XAD.2>HOWTH ROAD</XAD.2>  
<XAD.2>HOWTH</XAD.2>  
<XAD.4>CO DUBLIN</XAD.4>  
</PID.11>  
</PID>
```

### Patient Visit Segment (PV1):

This segment indicates the patient's consent (PV1.2) and details of the referring GP Medical Council Number (PV1.7/XCN.1) and the DSP Panel Number (PV1.8/XCN.1). In the case where a locum is the certifying GP the MCN details should reflect that of the locum.

```
<ORU_R01.PATIENT_VISIT>  
<PV1>  
<PV1.2>CP</PV1.2>  
<PV1.7>  
<XCN.1>123564</XCN.1>  
<XCN.2>  
<FN.1>Smith</FN.1>  
</XCN.2>  
<XCN.3>John</XCN.3>  
<XCN.13>MCN</XCN.13>
```

```

</PV1.7>
<PV1.8>
  <XCN.1>01234</XCN.1>
  <XCN.2>
    <FN.1>Smith</FN.1>
  </XCN.2>
  <XCN.3>John</XCN.3>
  <XCN.13>DSPPN</XCN.13>
</PV1.8>
</PV1>
</ORU_R01.PATIENT_VISIT>

```

## Observations (OBR):

```

<ORU_R01.ORDER_OBSERVATION>
  <OBR>
    <OBR.1>1</OBR.1>
    <OBR.4>
      <CE.1>307906008</CE.1>
      <CE.2>Sick cert</CE.2>
      <CE.3>SCT</CE.3>
    </OBR.4>
    <OBR.7>
      <TS.1>20171116153055</TS.1>
    </OBR.7>
  </OBR>

```

## Observation/Result (OBX):

The following data points are required in any given sick cert message:

OBX Segment	Mandatory	Data Type	Comment	Code
Cert Form Type	Yes	Text	MED1/MED2	X0146-0
From Date	Yes	Date	Start Date of sick cert.	X0143-0
To Date	Yes	Date	To Date of sick cert.	X0144-0
Primary nature of condition	*Required for Med1 only	Text & code	Description & ICD-10 code for primary nature of condition	ICD-10 code
Physical effort required in current employment	No	Text	Light/Moderate/Heavy	X0145-0
Is patient in hospital?	No	Text	Yes/No	184091000
Final Cert Indicator	No	Text	Yes/No	X0148-0

- Cert Form Type: MED1/MED2
- From Date: today's date or a previous date.
- To Date: today's date or a future date up to 26 weeks.
- Primary nature of condition: ICD-10 description and code.
- Physical Effect in Current Employment: permitted values;

- Light
- Moderate
- Heavy
- In Hospital: Yes/No.
- Final Cert Indicator: Yes/No.

**Sample Message:**

```

<ORU_R01.ORDER_OBSERVATION>
  <OBR>
    <OBR.1>1</OBR.1>
    <OBR.4>
      <CE.1>307906008</CE.1>
      <CE.2>Sick cert</CE.2>
      <CE.3>SCT</CE.3>
    </OBR.4>
    <OBR.7>
      <TS.1>20171116153055</TS.1>
    </OBR.7>
  </OBR>
  <ORU_R01.OBSERVATION>
    <OBX>
      <OBX.1>1</OBX.1>
      <OBX.2>TX</OBX.2>
      <OBX.3>
        <CE.1>X0146-0</CE.1>
        <CE.2>Cert Form Type</CE.2>
        <CE.3>L</CE.3>
      </OBX.3>
      <OBX.5>MED1</OBX.5>
      <OBX.11>F</OBX.11>
      <OBX.14>
        <TS.1>20171116153055</TS.1>
      </OBX.14>
    </OBX>
  </ORU_R01.OBSERVATION>
  <ORU_R01.OBSERVATION>
    <OBX>
      <OBX.1>2</OBX.1>
      <OBX.2>TX</OBX.2>
      <OBX.3>
        <CE.1>X0143-0</CE.1>
        <CE.2>From Date</CE.2>
        <CE.3>L</CE.3>
      </OBX.3>
      <OBX.5>20171110</OBX.5>
      <OBX.11>F</OBX.11>
      <OBX.14>
        <TS.1>20171116153055</TS.1>
      </OBX.14>
    </OBX>
  </ORU_R01.OBSERVATION>
  <ORU_R01.OBSERVATION>
    <OBX>
      <OBX.1>3</OBX.1>
      <OBX.2>TX</OBX.2>
      <OBX.3>
        <CE.1>X0144-0</CE.1>
        <CE.2>To Date</CE.2>
        <CE.3>L</CE.3>
    </OBX>
  </ORU_R01.OBSERVATION>

```

```

    </OBX.3>
    <OBX.5>20171121</OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>201711161500</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>
<ORU_R01.OBSERVATION>
  <OBX>
    <OBX.1>4</OBX.1>
    <OBX.2>CE</OBX.2>
    <OBX.3>
      <CE.1>39104002</CE.1>
      <CE.2>Illness</CE.2>
      <CE.3>SCT</CE.3>
    </OBX.3>
    <OBX.5>
      <CE.1>A08.4</CE.1>
      <CE.2>Viral intestinal infection</CE.2>
      <CE.3>ICD-10</CE.3>
    </OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>201711161500</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>
<ORU_R01.OBSERVATION>
  <OBX>
    <OBX.1>5</OBX.1>
    <OBX.2>TX</OBX.2>
    <OBX.3>
      <CE.1>X0145-0</CE.1>
      <CE.2>Physical Effort Required</CE.2>
      <CE.3>L</CE.3>
    </OBX.3>
    <OBX.5>Light</OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>201711161500</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>
<ORU_R01.OBSERVATION>
  <OBX>
    <OBX.1>6</OBX.1>
    <OBX.2>TX</OBX.2>
    <OBX.3>
      <CE.1>184091000</CE.1>
      <CE.2>Patient in Hospital</CE.2>
      <CE.3>SCT</CE.3>
    </OBX.3>
    <OBX.5>No</OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>201711161500</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>
<ORU_R01.OBSERVATION>
  <OBX>

```

```

<OBX.1>7</OBX.1>
<OBX.2>TX</OBX.2>
<OBX.3>
  <CE.1>X0148-0</CE.1>
  <CE.2>Final Cert Indicator</CE.2>
  <CE.3>L</CE.3>
</OBX.3>
<OBX.5>Yes</OBX.5>
<OBX.11>F</OBX.11>
<OBX.14>
  <TS.1>201711161500</TS.1>
</OBX.14>
</OBX>
</ORU_R01.OBSERVATION>
</ORU_R01.ORDER_OBSERVATION>

```

## 5. Acknowledgement Message

When the vendor system sends a sick cert message to DEASP via Healthlink, an acknowledgement message must be sent back to the vendor by DEASP. The GP needs to be aware that no acknowledgement means the submission has not been received.

<u>ACK</u>	<u>General Acknowledgment</u>	<u>Chapter</u>
MSH	Message Header	2
MSA	Message Acknowledgment	2
[ERR]	Error	2

Below is an XML sample of how an ACK message type is formatted. Values in blue are taken from the originating Vendor message segments.

```

<?xml version="1.0" encoding="UTF-8"?>
<ACK xmlns="urn:h17-org:v2xml">
  <MSH>
    <MSH.1>|</MSH.1>
    <MSH.2>^~\&amp;</MSH.2>
    <MSH.3>
      <HD.1>DEASP.HEALTHLINK.13 [FacilityName.HEALTHLINK.13]</HD.1>
    </MSH.3>
    <MSH.4>
      <HD.1>DEASP [Facility Name MSH.6/HD.1]</HD.1>
      <HD.2>99992 [Facility Code MSH.6/HD.2] </HD.2>
      <HD.3>L</HD.3>
    </MSH.4>
    <MSH.5>
      <HD.1>COMPLETEGP</HD.1>
      <HD.2></HD.2>
      <HD.3></HD.3>
    </MSH.5>
    <MSH.6>
      <HD.1>Dr. Smith, John [GP Name MSH.4/HD.1]</HD.1>
      <HD.2>123564.1234 [GP MCN MSH.4/HD.2]</HD.2>
      <HD.3>MCN.HLPracticeID [MSH.4/HD.3]</HD.3>
    </MSH.6>
    <MSH.7>
      <TS.1>20171116103136</TS.1>
    </MSH.7>
    <MSH.9>
      <MSG.1>ACK</MSG.1>
    </MSH.9>
  </MSH>

```

```

    <MSG.2>R01 [MessageType MSH.9/MSG.2]</MSG.2>
  </MSH.9>
  <MSH.10>ACK201711161031361111</MSH.10>
  <MSH.11>
    <PT.1>P</PT.1>
  </MSH.11>
  <MSH.12>
    <VID.1>2.4</VID.1>
  </MSH.12>
</MSH>
<MSA>
  <MSA.1>AA</MSA.1>
  <MSA.2>ORU20171116103136003564</MSA.2>
</MSA>
</ACK>

```

The values for the sending application and sending facility in the acknowledgement message are the same as the values for receiving application and receiving facility in the initiating assessment message and vice versa.

MSH.10 is the unique message control ID of the acknowledgement message and is not related to MSA.2, the message control ID of the assessment message that is being acknowledged. MSH.10 is generated using the format of the current date and time, up to the milliseconds. **Ex: ACKyyyyMMddHHmmsfff**

The three possible values for MSA.1, Acknowledgement Code are:

- AA Application Acknowledgement
- AE Application Error ( details/reasons to be provided by DEASP)
- AR Application Reject

This tells you whether the original assessment message, as identified in MSA.2, has been accepted by DEASP.

An Application Reject acknowledgement may mean one of two things:

- There is a major problem with the message and it cannot be validated by the receiving system;
- There is a problem with the receiving system and it is unable to process the message, though the message itself is fine;

An Application Error message means there is a problem with the content of the message. This should be diagnosed and corrected by the sending system before resending the message.

The Message Error Segment (ERR) is required where an error is found in a HL7 message. The ERR Segment is used to add error information to acknowledgement messages. Healthlink have added codes to the HL7 Table 0357 - Message Error Condition Codes, included in this document. If an error is not included in this table, the unknown code can be used and new errors can be added to this table accordingly as they occur.

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	80	CM	R	Y		00024	Error Code and Location

**Notes:**

- The ERR segment is optional in an ACK message, but where it does appear the ERR.1 field is required.
- The ERR.1 field is repeatable, allowing for information on multiple errors to be displayed.
- The components of the ERR.1 field are:
  - segment ID, the three letter identifier of the segment in which the error occurred;
  - sequence, the Set ID of the segment if there is more than one segment with the same segment ID in the message;
  - field position, the field number within the segment where the error occurred;
  - code identifying error, taken from HL7 table 0357 Message Error Condition Codes and shown in Section 14 of this document.

Consider an example where an ORU\_R01 message is missing the required fields PID.3 Patient Identifier and PID.5 Patient Name in the MSH Segment. In this case the ERR segment of the acknowledgment message, which would have AE in the MSA.1 field, would look as follows:

```

<ERR>
  <ERR.1>
    <ELD.1>PID</ELD.1>
    <ELD.3>3</ELD.3>
    <ELD.4>
      <CE.1>101</CE.1>
      <CE.2>Required field missing</CE.2>
      <CE.3>HL70357</CE.3>
    </ELD.4>
  </ERR.1>
  <ERR.1>
    <ELD.1>PID</ELD.1>
    <ELD.3>5</ELD.3>
    <ELD.4>
      <CE.1>101</CE.1>
      <CE.2>Required field missing</CE.2>
      <CE.3>HL70357</CE.3>
    </ELD.4>
  </ERR.1>
</ERR>

```

For the current list of error codes see [HL7 Table 0357](#) in Code Tables section below.

## 6. Sick Cert Response Message

For each sick cert received a corresponding response messages will be returned to the GP indicating whether the claim has been accepted or rejected. In the case where a claim has been rejected reason(s) will be indicated.

### Observation Request Segment (OBR)

Field	Mand	Value	Comment	HL7
-------	------	-------	---------	-----



Set ID	Yes	Numeric	Value 1	<OBR.1>
Filler Order Number	Yes	MSH.10 of originating claim		<OBR.3>
Universal Service Identifier	Yes	Sick cert	SNOMED/LOINC code and name for observation request	<OBR.4>
Observation time	Yes	Date/time	Date of the consultation	<OBR.7>

### Observations (OBR):

```

<OBR>
  <OBR.1>1</OBR.1>
  <OBR.3>
    <EI.1>ORU20171116103136003564</EI.1>
  </OBR.3>
  <OBR.4>
    <CE.1>X0142-0</CE.1>
    <CE.2>Sick Cert Response</CE.2>
    <CE.3>L</CE.3>
  </OBR.4>
  <OBR.7>
    <TS.1>20171118143055</TS.1>
  </OBR.7>
</OBR>

```

### Observation/Result (OBX):

Segment	Mandatory	Data Type	Comment	Code
(Approved) Claim Response	Yes *	Text	* One OBX segment will be present in the messages indicating whether the claim has been approved or rejected.	X0146-0
(Rejected) Claim Response	Yes *	Text		X0146-1

```

<ORU_R01.OBSERVATION>
  <OBX>
    <OBX.1>1</OBX.1>
    <OBX.2>TX</OBX.2>
    <OBX.3>
      <CE.1>X0146-0</CE.1>
      <CE.2>Claim Approved</CE.2>
      <CE.3>L</CE.3>
    </OBX.3>
    <OBX.5>Claim approved</OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>20171118143056</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>

```

```

<ORU_R01.OBSERVATION>
  <OBX>
    <OBX.1>1</OBX.1>
    <OBX.2>TX</OBX.2>
    <OBX.3>
      <CE.1>X0146-1</CE.1>
      <CE.2>Claim Rejected</CE.2>
      <CE.3>L</CE.3>
    </OBX.3>
    <OBX.5>Duplicate claim received</OBX.5>
    <OBX.11>F</OBX.11>
    <OBX.14>
      <TS.1>20171118143056</TS.1>
    </OBX.14>
  </OBX>
</ORU_R01.OBSERVATION>

```

### Sample Sick Cert Response Message

```

<ORU_R01 xmlns="urn:h17-org:v2xml">
  <MSH>
    <MSH.1>|</MSH.1>
    <MSH.2>^~\&amp;</MSH.2>
    <MSH.3>
      <HD.1>DEASP.HEALTHLINK.63</HD.1>
    </MSH.3>
    <MSH.4>
      <HD.1>DEASP</HD.1>
      <HD.2>99992</HD.2>
      <HD.3>L</HD.3>
    </MSH.4>
    <MSH.5>
      <HD.1>CompleteGP</HD.1>
    </MSH.5>
    <MSH.6>
      <HD.1>Dr. Smith, John</HD.1>
      <HD.2>123564.4444</HD.2>
      <HD.3>MCN.HLPracticeID</HD.3>
    </MSH.6>
    <MSH.7>
      <TS.1>20171116110006</TS.1>
    </MSH.7>
    <MSH.9>
      <MSG.1>ORU</MSG.1>
      <MSG.2>R01</MSG.2>
    </MSH.9>
    <MSH.10>ORU20171116110006</MSH.10>
    <MSH.11>
      <PT.1>P</PT.1>
    </MSH.11>
    <MSH.12>
      <VID.1>2.4</VID.1>
    </MSH.12>
    <MSH.15>AL</MSH.15>
  </MSH>
  <ORU_R01.PATIENT_RESULT>
    <ORU_R01.PATIENT>
      <PID>
        <PID.3>
          <CX.1>4111114L</CX.1>
          <CX.4>
            <HD.1>DSP</HD.1>

```

```

        <HD.2/>
        <HD.3/>
    </CX.4>
    <CX.5>PPSN</CX.5>
</PID.3>
<PID.5>
    <XPN.1>
        <FN.1>Mouse</FN.1>
    </XPN.1>
    <XPN.2>Michael</XPN.2>
    <XPN.5>Mr</XPN.5>
    <XPN.7>L</XPN.7>
</PID.5>
<PID.7>
    <TS.1>19700505</TS.1>
</PID.7>
<PID.8>N</PID.8>
<PID.11>
    <XAD.1>
        <SAD.1>58 SEA VIEW</SAD.1>
    </XAD.1>
    <XAD.2>HOWTH ROAD</XAD.2>
    <XAD.2>HOWTH</XAD.2>
    <XAD.4>CO DUBLIN</XAD.4>
</PID.11>
</PID>
</ORU_R01.PATIENT>
<ORU_R01.ORDER_OBSERVATION>
    <OBR>
        <OBR.1>1</OBR.1>
        <OBR.3>
            <EI.1>ORU20171116103136003564</EI.1>
        </OBR.3>
        <OBR.4>
            <CE.1>X0142-0</CE.1>
            <CE.2>Sick Cert Response</CE.2>
            <CE.3>L</CE.3>
        </OBR.4>
        <OBR.7>
            <TS.1>20171118143055</TS.1>
        </OBR.7>
    </OBR>
    <ORU_R01.OBSERVATION>
        <OBX>
            <OBX.1>1</OBX.1>
            <OBX.2>TX</OBX.2>
            <OBX.3>
                <CE.1>X0146-0</CE.1>
                <CE.2>Claim Response</CE.2>
                <CE.3>L</CE.3>
            </OBX.3>
            <OBX.5>Claim approved</OBX.5>
            <OBX.11>F</OBX.11>
            <OBX.14>
                <TS.1>20171118143055</TS.1>
            </OBX.14>
        </OBX>
    </ORU_R01.OBSERVATION>
</ORU_R01.ORDER_OBSERVATION>
</ORU_R01.PATIENT_RESULT>
</ORU_R01>

```

## 7. Message Transportation

See “WS HealthlinkOnline Tech GP Vendor.pdf” for the latest version of the vendor web service documentation.

Vendors submit messages to Healthlink via the normal SubmitMessage API web service.

1. Each submitted message will return an Ack/Nack from Healthlink, similar to the referral process, indicating the message has been received.
2. Where messages are integrated into hospital systems, as in the case of DEASP messages and numerous referrals, an Ack/Nack will be generated by DEASP/hospital system for the vendor. Vendors will need to retrieve the acks using the RetrieveACKbyMessageID or GetAllUnprocessedMessages(ByMsgtype) web service methods. When GetAllUnprocessedMessages(ByMsgtype) is invoked it will be necessary to flag messages as processed using the SetMessagesProcessed method. This step will not be required for the RetrieveACKbyMessageID API.

## 8. Code Tables

### <MSH.3> Sending Application

The format is the name of the GP practice software system, Healthlink, Healthlink Message Type ID e.g. COMPLETEGP.HEALTHLINK.62

<b>GP Practice Software System</b>	<b>Code</b>
CompleteGP	COMPLETEGP
Health One	HEALTHONE
Helix Practice Manager	HELIXPM
Socrates	SOCRATES

<b>Healthlink Message Type</b>	<b>Message Type ID</b>
Sick Cert	62
Sick Cert Response	63
Acknowledgement	13

### <MSH.6> Receiving Facility

<b>Hospital/Agency</b>	<b>Code</b>
Department of Social Protection (DEASP)	99992

### <MSH.11> Processing ID

<b>Description</b>	<b>Code</b>
Debugging	D
Production	P
Training	T

#### HL7 Table 004

Description	Code
Consent is Present	CP
Consent is Absent	CA

#### Codes for Observation Request Segments (OBR)

Description	Code
Sick Cert	307906008
Sick Cert Response	X0142-0

#### Codes for Observation/Result Segments (OBX)

Description	Code
(Sick cert) From Date	X0143-0
(Sick cert) To Date	X0144-0
Illness	39104002
Physical effort required in current employment	X0145-0
Patient in hospital?	184091000 (Patient in hospital)
Claim Approved	X0146-0
Claim Rejected	X0146-1