

#### Description

Century Hospital's LIS transmits an 'Application Acknowledgement' message to Dr Ernst's EHR-S which indicates the OML message has been accepted.

#### Comments

This is the initial "smoke testing" to reveal simple failures of the acknowledgment message severe enough to preclude further testing.

#### PreCondition

The OML message has been sent by the EHR-S

#### PostCondition

No Post Condition.

#### TestObjectives

- Minimally populated message.
- Demonstrate ability to process all required data elements for the application acknowledgement test case:
- Minimally populated MSH Segment - Demonstrate the capability to support the minimally required data elements in the MSH segment.
- Minimally populated MSA Segment - Demonstrate the capability to support the minimally required data elements in the MSA segment.
- Minimally populated PID Segment - Demonstrate the capability to support minimally required data elements in the PID segment.
- Minimally populated ORC Segment - Demonstrate the capability to support minimally required data elements in the ORC segment.
- Minimally populated OBR Segment - Demonstrate the capability to support minimally required data elements in the OBR segment.

#### Notes to Testers

No Notes.

## Test Case Information

## NIST-ORL\_0.0\_1.1-GU - Application Ack Accept to LOI\_PT

|              |                |
|--------------|----------------|
| Test Case ID | ORL_0.0_1.1-GU |
|--------------|----------------|

## MSH

| Location | Data Element                    | Data                        | Categorization       |
|----------|---------------------------------|-----------------------------|----------------------|
| MSH.1    | Field Separator                 |                             | IG Fixed Data        |
| MSH.2    | Encoding Characters             | ^~\&#                       | IG Fixed Data        |
| MSH.4    | Sending Facility                |                             |                      |
| MSH.4.2  | Universal ID                    | 2.16.840.1.113883.3.72.5.21 | Configurable Data    |
| MSH.4.3  | Universal ID Type               | ISO                         | IG Fixed Data        |
| MSH.7    | Date/Time Of Message            |                             |                      |
| MSH.7.1  | Time                            | 20130219180035-0800         | System Generated     |
| MSH.9    | Message Type                    |                             |                      |
| MSH.9.1  | Message Code                    | ORL                         | IG Fixed Data        |
| MSH.9.2  | Trigger Event                   | O22                         | IG Fixed Data        |
| MSH.9.3  | Message Structure               | ORL_O22                     | IG Fixed Data        |
| MSH.10   | Message Control ID              | NIST-ORL_0.0_1.1-GU         | System Generated     |
| MSH.11   | Processing ID                   |                             |                      |
| MSH.11.1 | Processing ID                   | T                           | Changeable Data      |
| MSH.12   | Version ID                      |                             |                      |
| MSH.12.1 | Version ID                      | 2.5.1                       | IG Fixed Data        |
| MSH.15   | Accept Acknowledgment Type      | AL                          | IG Fixed Data        |
| MSH.16   | Application Acknowledgment Type | NE                          | IG Fixed Data        |
| MSH.21   | Message Profile Identifier      |                             |                      |
| MSH.21.1 | Entity Identifier               | LOI_GU_Response_Profile     | Test Case Fixed Data |
| MSH.21.3 | Universal ID                    | 2.16.840.1.113883.9.92      | Test Case Fixed Data |
| MSH.21.4 | Universal ID Type               | ISO                         | IG Fixed Data        |

## MSA

| Location | Data Element        | Data           | Categorization  |
|----------|---------------------|----------------|-----------------|
| MSA.1    | Acknowledgment Code | AA             | Changeable data |
| MSA.2    | Message Control ID  | LOI_0.0_1.1-GU | Changeable data |

## PID

| Location  | Data Element            | Data                          | Categorization    |
|-----------|-------------------------|-------------------------------|-------------------|
| PID.1     | Set ID - PID            | 1                             | IG Fixed Data     |
| PID.3     | Patient Identifier List |                               |                   |
| PID.3.1   | ID Number               | PATID1700                     | Configurable Data |
| PID.3.4   | Assigning Authority     |                               |                   |
| PID.3.4.2 | Universal ID            | 2.16.840.1.113883.3.72.5.30.2 | Configurable Data |
| PID.3.4.3 | Universal ID Type       | ISO                           | IG Fixed Data     |
| PID.3.5   | Identifier Type Code    | MR                            | Changeable Data   |
| PID.5     | Patient Name            |                               |                   |
| PID.5.1   | Family Name             |                               |                   |
| PID.5.1.1 | Surname                 | Ramoz                         | Changeable Data   |
| PID.5.7   | Name Type Code          | L                             | Changeable Data   |
| PID.7     | Date/Time of Birth      |                               |                   |
| PID.7.1   | Date/Time               | 19331212                      | Changeable Data   |
| PID.8     | Administrative Sex      | M                             | Changeable Data   |

## ORC

| Location | Data Element        | Data | Categorization       |
|----------|---------------------|------|----------------------|
| ORC.1    | Order Control       | OK   | Test Case Fixed Data |
| ORC.2    | Placer Order Number |      |                      |

| Location      | Data Element                    | Data                        | Categorization    |
|---------------|---------------------------------|-----------------------------|-------------------|
| ORC.2.1       | Entity Identifier               | ORD170                      | Changeable Data   |
| ORC.2.3       | Universal ID                    | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.2.4       | Universal ID Type               | ISO                         | IG Fixed Data     |
| <b>ORC.9</b>  | <b>Date/Time of Transaction</b> |                             |                   |
| ORC.9.1       | Time                            | 201312121212                | System Generated  |
| <b>ORC.12</b> | <b>Ordering Provider</b>        |                             |                   |
| ORC.12.2      | Family Name                     |                             |                   |
| ORC.12.2.1    | Surname                         | Radon                       | Changeable Data   |

OBR

| Location      | Data Element                        | Data                        | Categorization       |
|---------------|-------------------------------------|-----------------------------|----------------------|
| <b>OBR.1</b>  | <b>Set ID - OBR</b>                 | 1                           | IG Fixed Data        |
| <b>OBR.2</b>  | <b>Placer Order Number</b>          |                             |                      |
| OBR.2.1       | Entity Identifier                   | ORD170                      | Changeable Data      |
| OBR.2.3       | Universal ID                        | 2.16.840.1.113883.3.72.5.24 | Configurable Data    |
| OBR.2.4       | Universal ID Type                   | ISO                         | IG Fixed Data        |
| <b>OBR.4</b>  | <b>Universal Service Identifier</b> |                             |                      |
| OBR.4.1       | Identifier                          | 10                          | Test Case Fixed Data |
| OBR.4.3       | Name of Coding System               | 99USL                       | Test Case Fixed Data |
| <b>OBR.16</b> | <b>Ordering Provider</b>            |                             |                      |
| OBR.16.2      | Family Name                         |                             |                      |
| OBR.16.2.1    | Surname                             | Radon                       | Changeable Data      |

### Acknowledgment

| Element             | Data |
|---------------------|------|
| Acknowledgment code | AA   |

### Patient Information

| Element            | Data       |
|--------------------|------------|
| Patient Name       | Ramoz      |
| Administrative Sex | Male       |
| Date/Time of Birth | 12/12/1933 |

### Order

#### Ordering Provider

| Element       | Data  |
|---------------|-------|
| Provider Name | Radon |

#### General order information

| Element                  | Data                |
|--------------------------|---------------------|
| Placer Order Number      | ORD170              |
| Order Control            | OK                  |
| Date/Time of Transaction | 12/12/2013 12:12 PM |

#### Order details

| Element | Data |
|---------|------|
|---------|------|

| Process an Acknowledgement        |   |      |      |                          |                          |
|-----------------------------------|---|------|------|--------------------------|--------------------------|
| Test Case ID                      | ORL_0.0_1.1-GU  |      |      |                          |                          |
| Juror ID                          |   |      |      |                          |                          |
| Juror Name                        |   |      |      |                          |                          |
| HIT System Tested                 |   |      |      |                          |                          |
| Inspection Date/Time              |   |      |      |                          |                          |
| Inspection Settlement (Pass/Fail) | <table border="1"> <thead> <tr> <th>Pass</th> <th>Fail</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table> | Pass | Fail | <input type="checkbox"/> | <input type="checkbox"/> |
|                                   | Pass  | Fail |      |                          |                          |
| <input type="checkbox"/>          | <input type="checkbox"/>  |      |      |                          |                          |
| Reason Failed                     |   |      |      |                          |                          |
| Juror Comments                    |   |      |      |                          |                          |

## DISPLAY VERIFICATION

This Test Case-specific Juror Document provides a checklist for the Tester to use during certification testing for assessing the health information technology (HIT) module's ability to receive and process an ORL message related to laboratory order messaging in which NO Error is returned in the ORL message.

The exact wording and format of the display in the HIT module is not in-scope for this test.

| Process an Acknowledgement  |
|---|
| The receiving HIT module being tested shall process the ORL message correctly; a positive notification indicating that the ORL message was processed correctly <u>need not be made visible</u> in the module. |

MSH|^~\&#|^2.16.840.1.113883.3.72.5.21^ISO|||20130219180035-0800||ORL^O22^ORL\_O22|NIST-ORL\_0.0\_1.1-GU|T|2.5.1|||AL|NE|  
|||LOI\_GU\_Response\_Profile^^2.16.840.1.113883.9.92^ISO

MSA|AA|LOI\_0.0\_1.1-GU

PID|1||PATID1700^^^&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Ramos^^^^^^L||19331212|M

ORC|OK|ORD170^^2.16.840.1.113883.3.72.5.24^ISO|||||201312121212|||^Radon

OBR|1|ORD170^^2.16.840.1.113883.3.72.5.24^ISO||10^^99USL|||||||^Radon