

Description

Mr. William A. Jones is a 51 year old white male who presented with a history of high fever, fatigue, and shortness of breath on exertion. Dr. Nicholas Radon ordered a complete blood count (CBC) test to be performed. A blood specimen for the CBC test was collected from the patient and sent to the clinical lab at Century Hospital for processing. The order instructs that a copy of the test result report to be sent to Dr. Naddy Deluca.

Century Hospital's clinical laboratory receives the patient's specimen later the next day, but the specimen collection tubes are broken and the sample has leaked out. The laboratory staff enters this information into their system and an electronic Order Cancellation Notification message is sent to GoodHealth Clinic's EHR using the LOI message to cancel the test and state the reason for the cancellation.

Comments

This test case is evaluating the proper use of the OML^O21^OML_O21: Laboratory Order Message - Cancel Order.

PreCondition

'LOI_2.0_1.1-GU' (CBC) has been ordered.

PostCondition

No Post Condition.

TestObjectives

- Demonstrate the capability of the EHR-S to process a valid Laboratory Cancel Order Message.

Notes to Testers

No Notes

Test Case Information

NIST-LOI_2.0_2.1-NG_CL - CBC

Test Case ID	LOI_2.0_2.1-NG_CL
--------------	-------------------

MSH

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	~\&#	IG Fixed Data
MSH.3	Sending Application		
MSH.3.1	Namespace ID	NIST Test Lab APP	Configurable Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	NIST Test Lab APP	Configurable Data
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	NIST Lab Facility	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20130212184101-0500	System Generated
MSH.9	Message Type		
MSH.9.1	Message Code	OML	IG Fixed Data
MSH.9.2	Trigger Event	O21	IG Fixed Data
MSH.9.3	Message Structure	OML_O21	IG Fixed Data
MSH.10	Message Control ID	NIST-LOI_2.0_2.1-NG_CL	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	AL	Changeable Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	LOI_NG_PRU_Profile	Test Case Fixed Data
MSH.21.2	Namespace ID	LOI Base + PRU + NG	Changeable Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.87	Test Case Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed 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	LABPATID1	Configurable Data
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	NIST MPI	Configurable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.3[2]	Patient Identifier List		
PID.3[2].1	ID Number	PATID1234	Configurable Data
PID.3[2].4	Assigning Authority		
PID.3[2].4.1	Namespace ID	NIST MPI	Configurable Data
PID.3[2].5	Identifier Type Code	MR	Changeable Data
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Jones	Changeable Data
PID.5.2	Given Name	William	Changeable Data
PID.5.3	Second and Further Given Names or Initials Thereof	A	Changeable Data
PID.5.4	Suffix (e.g., JR or III)	JR	Changeable Data

PID.5.7	Name Type Code		
Location	Data Element	Data	Changeable Data
PID.7	Date/Time of Birth		
PID.7.1	Date/Time	19610615	Changeable Data
PID.8	Administrative Sex	M	Changeable Data
PID.10	Race		
PID.10.1	Identifier	2106-3	Changeable Data
PID.10.2	Text	White	Changeable Data
PID.10.3	Name of Coding System	HL70005	IG Fixed Data
PID.11	Patient Address		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address	2100 Kennwood Ave	Changeable Data
PID.11.2	Other Designation	Apt 41	Changeable Data
PID.11.3	City	Los Angeles	Changeable Data
PID.11.4	State or Province	CA	Changeable Data
PID.11.5	Zip or Postal Code	90067	Changeable Data
PID.11.7	Address Type	H	Test Case Fixed Data

ORC

Location	Data Element	Data	Categorization
ORC.1	Order Control	OC	Test Case Fixed Data
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	ORD666555	Changeable Data
ORC.2.2	Namespace ID	NIST EHR	Configurable Data
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	LABORD100	Changeable Data
ORC.3.2	Namespace ID	NIST Test Lab APP	Configurable Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874233	Changeable Data
ORC.4.2	Namespace ID	NIST EHR	Configurable Data
ORC.9	Date/Time of Transaction		
ORC.9.1	Time	20120629070100	System Generated
ORC.12	Ordering Provider		
ORC.12.1	ID Number	5742200012	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Radon	Changeable Data
ORC.12.3	Given Name	Nicholas	Changeable Data
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NPI	Configurable Data
ORC.12.10	Name Type Code	L	Changeable Data
ORC.12.13	Identifier Type Code	NPI	Changeable Data

OBR

Location	Data Element	Data	Categorization
OBR.1	Set ID - OBR	1	IG Fixed Data
OBR.2	Placer Order Number		
OBR.2.1	Entity Identifier	ORD666555	Changeable Data
OBR.2.2	Namespace ID	NIST EHR	Configurable Data
OBR.3	Filler Order Number		
OBR.3.1	Entity Identifier	LABORD100	Changeable Data
OBR.3.2	Namespace ID	NIST Test Lab APP	Configurable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	200	Test Case Fixed Data
OBR.4.2	Text	CBC_diff	Changeable Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.4	Alternate Identifier	57021-8	Test Case Fixed Data
OBR.4.5	Alternate Text	CBC W Auto Differential panel in Blood	Changeable Data
OBR.4.6	Name of Alternate Coding System	LN	Changeable Data

OBR.4.7	Coding System Version ID	20130421	Changeable Data
Location	Data Element	Data	Categorization
OBR.7	Observation Date/Time		
OBR.7.1	Date/Time	20120629070100-0800	Changeable Data
OBR.16	Ordering Provider		
OBR.16.1	ID Number	5742200012	Changeable Data
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Radon	Changeable Data
OBR.16.3	Given Name	Nicholas	Changeable Data
OBR.16.9	Assigning Authority		
OBR.16.9.1	Namespace ID	NPI	Configurable Data
OBR.16.10	Name Type Code	L	Changeable Data
OBR.16.13	Identifier Type Code	NPI	Changeable Data

NTE

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	1	IG Fixed Data
NTE.3	Comment	Cancel Order- Broken Lavender Top Tube	Changeable Data

Patient Information

Element	Data
Patient Name	William A Jones JR
Administrative Sex	Male
Date/Time of Birth	06/15/1961
Patient Address	2100 Kennwood Ave Apt 41 Los Angeles CA 90067
Race	White

Order

Ordering Provider

Element	Data
Provider Name	Nicholas Radon
Provider NPI identifier	5742200012

General order information

Element	Data
Placer Order Number	ORD666555
Filler Order Number	LABORD100
Placer Group Number	GORD874233
Order Control	OC
Date/Time of Transaction	06/29/2012 07:01:00 AM

Order details

Element	Data
Universal Service Identifier	CBC_diff
Observation Date/Time	06/29/2012 07:01:00 AM -0800

Notes & comments

Element	Data
Comments	Cancel Order- Broken Lavender Top Tube

Process an Acknowledgement					
Test Case ID	LOI_2.0_2.1-NG_CL				
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 electronic Order Cancellation Notification LOI message that is sent from the laboratory related to the electronic CBC LOI message that was sent to the laboratory. The electronic Order Cancellation Notification LOI message includes the reason for the cancellation.

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 Order Cancellation Notification LOI message correctly. An indicator that the specific CBC order has been cancelled and the reason for the cancellation ("Cancel Order - Broken Lavender Top Tube") must be associated with the CBC order and be visible in the module.

MSH|^~\&#|NIST Test Lab APP|NIST EHR Facility|NIST Test Lab APP|NIST Lab Facility|20130212184101-0500||OML^O21^OML_O21|
NIST-LOI_2.0_2.1-NG_CL|T|2.5.1|||AL|AL||||LOI_NG_PRU_Profile^LOI Base + PRU + NG^2.16.840.1.113883.9.87^ISO

PID|1||LABPATID1^^^NIST MPI^MR~PATID1234^^^NIST MPI^MR||Jones^William^A^JR^^^L||19610615|M||2106-
3^White^HL70005|2100 K
ennwood Ave^Apt 41^Los Angeles^CA^90067^^H

ORC|OC|ORD666555^NIST EHR|LABORD100^NIST Test Lab APP|GORD874233^NIST
EHR||||20120629070100|||5742200012^Radon^Nichola
s^^^^^^NPI^L^^^NPI

OBR|1|ORD666555^NIST EHR|LABORD100^NIST Test Lab APP|200^CBC_diff^99USL^57021-8^CBC W Auto Differential panel in
Blood^
LN^20130421|||20120629070100-0800|||||||5742200012^Radon^Nicholas^^^^^^NPI^L^^^NPI

NTE|1||Cancel Order- Broken Lavender Top Tube