Description

The initial Laboratory Test Compendium built by Century Hospital Clinical Laboratory consists of a single Prothrombin Time panel (PT +INR). This compendium is delivered electronically to Dr. Nicholas Radon's practice EHR, as agreed to between Laboratory and Dr. Radon's Office and EHR-S Vendor. The EHR-S will integrate the eDOS into its test directory and use it to allow Dr. Radon to place orders electronically to Century Hospital's Clinical Laboratory. The initial laboratory test compendium is composed of four messages.

After Century Hospital's LIS transmits the first message which provides information about the PT and INR observations, it sends the second message which provides information about orderable PT + INR panel.

Comments

This is the initial "smoke testing" to reveal simple failures severe enough to preclude further testing. Initial upload of a single panel.

Since this is a replace message, all data in this message will replace information from a previous eDOS M10 message.

PreCondition

EDOS_0.0_1.1-M08_New_SmokeTest
has been completed.

PostCondition

No Post-Condition.

TestObjectives

- Demonstrate capability to support a minimal M10 initial load message.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MSH segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MFI segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MFE segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the OM1 segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the OM5 segment.

EDOS_0.0_2.1-M10-NG - M10_New_Smoke_Test	
Test Case ID	EDOS_0.0_2.1-M10_NG

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 Lab Facility	Configurable Data
MSH.6	**Receiving Facility**		
MSH.6.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.7	**Date/Time Of Message**		
MSH.7.1	Time	20130421113601-0700	System Generated
MSH.9	**Message Type**		
MSH.9.1	Message Code	MFN	IG Fixed Data
MSH.9.2	Trigger Event	M10	IG Fixed Data
MSH.9.3	Message Structure	MFN_M10	IG Fixed Data
MSH.10	**Message Control ID**	EDOS_0.0_2.1-M10-NG	System Generated
MSH.11	**Processing ID**		
MSH.11.1	Processing ID	D	Changeable Data
MSH.12	**VersionID**		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	**Message Profile Identifier**		
MSH.21.1	Entity Identifier	EDOS_NG_Profile	Test Case Fixed Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.71	Test Case Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data

MFI

Location	Data Element	Data	Categorization
MFI.1	**Master File Identifier**		
MFI.1.1	Identifier	OMC	IG Fixed Data
MFI.1.3	Name of Coding System	HL70175	IG Fixed Data
MFI.3	**File-Level Event Code**	REP	Test Case Fixed Data
MFI.6	**Response Level Code**	NE	IG Fixed Data

MFE

Location	Data Element	Data	Categorization
MFE.1	**Record-Level Event Code**	MAD	Test Case Fixed Data
MFE.3	**Effective Date/Time**		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	**Primary Key Value - MFE**		
MFE.4.1	Identifier	10	Changeable Data
MFE.4.2	Text	PT + INR	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.5	**Primary Key Value Type**	CWE	IG Fixed Data

OM1

Location	Data Element	Data	Categorization
OM1.1	**Sequence Number - Test/Observation Master File**	1	IG Fixed Data
OM1.2	**Producer's Service/Test/Observation ID**		
OM1.2.1	Identifier	10	Changeable Data

Location	Data Element	Data	Categorization
OM1.2.2	Text	PT + INR	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.4	**Specimen Required**	Y	Changeable Data
OM1.5	**Producer ID**		
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.11	**Preferred Long Name for the Observation**	Prothrombin Time and International Normalized Ratio Panel	Changeable Data
OM1.12	**Orderability**	Y	Test Case Fixed Data
OM1.18	**Nature of Service/Test/Observation**	P	Test Case Fixed Data

OM5

Location	Data Element	Data	Categorization
OM5.1	**Sequence Number - Test/Observation Master File**	1	IG Fixed Data
OM5.2	**Test/Observations Included Within an Ordered Test Battery**		
OM5.2.1	Identifier	11	Changeable Data
OM5.2.2	Text	Prothrombin Time, PT	Changeable Data
OM5.2.3	Name of Coding System	99USL	Changeable Data
OM5.2[2]	**Test/Observations Included Within an Ordered Test Battery**		
OM5.2[2].1	Identifier	12	Changeable Data
OM5.2[2].2	Text	INR	Changeable Data
OM5.2[2].3	Name of Coding System	99USL	Changeable Data

Element	Data
Identifier	OMC
Event code	REP

Panel/Test battery Information - PT + INR

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	PT + INR
Test/Panel identifier (code system)	10 (99USL)

General information

Element	Data
Specimen required ?	Y
Preferred Long Name	Prothrombin Time and International Normalized Ratio Panel
Is the test/panel orderable ?	Y
Nature	P

Panel/Test battery Details

Element	Data
Test included in panel/test battery	Prothrombin Time, PT
Test included in panel/test battery (code & code system)	11 (99USL)
Test included in panel/test battery	INR
Test included in panel/test battery (code & code system)	12 (99USL)

MSH|^~\&|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_0.0_2.1-M10-NG|D|2.5.1|||||||||EDOS_NG_Profile^^2.16.840.1.113883.9.71^ISO

MFI|OMC^^HL70175||REP|||NE

MFE|MAD||20131219145310|10^PT + INR^99USL|CWE

OM1|1|10^PT + INR^99USL||Y|^Century Hospital Clinical Laboratory||||||Prothrombin Time and International Normalized Ratio Panel|Y||||||P

OM5|1|11^Prothrombin Time, PT^99USL~12^INR^99USL