

NIST HL7 V2 Validation Tool Test Data

Electronic Directory Of Service (eDOS)

Version 1.0

13th March, 2015

eDOS Test Case EDOS_0.0_2.1-M10_NG

M10_New_Smoke_Test

Test Story

Description

The originator of the eDOS is the Century Hospital Clinical Laboratory located at 2070 Test Park, Los Angeles, CA, 90067, CLIA: 24D9871327, phone number: (310) 461-3666.

The Sender is the Century Hospital Clinical Laboratory LIS.

The Receiver is Dr. Radon's Office EHR.

The initial Laboratory Test Compendium built by Century Hospital Clinical Laboratory consist 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 Vendor. The EHR 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 three 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_Smoke_Test has been completed.

PostCondition

No Post-Conditions.

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.

Notes to Testers

No Notes.

Message Content Data Sheet

Test Case Information

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	T	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.15	Accept Acknowledgment Type	AL	Changeable Data
MSH.16	Application Acknowledgment Type	NE	Changeable Data
MSH.21[1]	Message Profile Identifier		
MSH.21[1].1	Entity Identifier	EDOS_NG_Profile	Test Case Fixed Data
MSH.21[1].3	Universal ID	2.16.840.1.113883.9.71	Test Case Fixed Data
MSH.21[1].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	99USI	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
OM1.2.2	Text	PT + INR	Changeable Data
OM1.2.3	Name of Coding System	99USI	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	IG Fixed Data

OM5 :

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

Test Data Specification

Master File Identification

Element name	Data
File-Level Event Code	Replace current version of this master file with the version contained in this message

Battery information [1]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	PT + INR

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Preferred Long Name for the Observation	Prothrombin Time and International Normalized Ratio Panel
Orderability	Yes
Nature of Service/Test/Observation	P

Observation batteries

Element name	Data
Test/Observations Included Within an Ordered Test Battery [1]	Prothrombin Time, PT
Test/Observations Included Within an Ordered Test Battery [2]	INR

HL7 Message

MSH|^~\&|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_0.0_2.1-M10-N
G|T|2.5.1|||AL|NE||||EDOS_NG_Profile^^2.16.840.1.113883.9.71^ISO

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

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

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

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