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**Integrating the Healthcare Enterprise**

**IHE/MESA XDS-MS Document  
Consumer Tests**

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# **1 XDS-MS Document Consumer**

## **1.1 Introduction**

The MESA tests include a number of cases each of which rely on a sequence of messages between actors. These tests range across different integration profiles:

- XDS-MS

This document lists the transactions and messages for a number of cases. It may not describe the clinical scenario behind each case, but listing the transactions should clearly define what is expected of each actor. These are all of the transactions involving all of the actors. When you test with your particular actor, you may see only a subset of these messages.

Note that the XDS-MS tests are over and above the typical XDS tests. The tests described in this document concern the content described in the XDS-MS profile. The XDS tests concerned with delivery of data are documented elsewhere.

## **1.2 Patient Identification**

## **1.3 Configuration**

The MESA scripts are run from the directory *\$MESA\_TARGET/ mesa\_tests/iti/actors/doc\_cons*.

## **1.4 Starting the MESA Servers**

There are no MESA servers to start for this test.

## **1.5 Installation Test**

## **1.6 Loading Test Data**

## **2 Test Cases: XDS-MS**

This section describes test cases that are generally associated with the XDS-MS Integration Profile. There may be some overlap with other profiles.

## **2.1 Test Case 12521: XDS-MS: Render Sample Document**

In test 12521, the Document Consumer renders a sample document and submits the screen shot to the Project Manager for evaluation. The purpose of this test is to make sure the consumer renders enough information as required by the XDS-MS Integration Profile.

### **2.1.1 References**

### **2.1.2 Instructions**

1. The file \$MESA\_TARGET/ mesa\_tests/iti/msgs/xds-ms/example1.xml represents a sample CDA document according to the XDS-MS Integration Profile. Import this document into your system by out of band means (the MESA tests do not give you a Document Repository that allows you to retrieve this document).
2. Render the content on your system.
3. Perform a screen capture of the rendered output. Name the captured output SYSTEM\_12522.<extension> where <extension> is html, jpg, bmp, doc, etc.

### **2.1.3 Evaluation**

1. Submit the file created above to the Project Manager. The Project Manager will examine to determine sufficient information has been made available to the user.

## **2.2 Test Case 12522: XDS-MS: Content Quiz on One Document**

The Document Consumer is given a sample CDA document and is asked to fill out a brief questionnaire concerning the content of the document.

### **2.2.1 References**

### **2.2.2 Instructions**

1. The file \$MESA\_TARGET/ mesa\_tests/iti/msgs/xds-ms/example1.xml represents a sample CDA document according to the XDS-MS Integration Profile. Import this document into your system by out of band means (the MESA tests do not give you a Document Repository that allows you to retrieve this document).
2. Render the content on your system.

3. Locate the file `$MESA_TARGET/mesa_tests/iti/actors/doc_cons/12522/grade_12522.txt`. This file contains questions concerning the content of the document. Modify the file by answering the questions.

### **2.2.3 Evaluation**

1. Submit the modified `12522/grade_12522.txt` to the Project Manager for evaluation.

### **2.2.4 Administrative Notes**

In many MESA tests, the software indicates you have 0 errors. In this test, you will have to determine the proper answers to questions and wait for later evaluation. All answers should be in the XML document.

## **2.3 Test Case 12523: Render Vendor Documents**

The Document Consumer will import a number of documents supplied by different Document Sources. The Document Consumer fills out a worksheet indicating if the content could be imported/rendered.

The purpose of this test is to give Document Consumers a chance to examine content in advance of a face to face test. This will allow some debugging of document content to be performed offline rather than in real time.

### **2.3.1 References**

### **2.3.2 Instructions**

1. Look on the MESA Software Distribution web page for the file: `xds-ms-12523.zip`. This file contains CDA documents from Document Source actors and a Word document that is a worksheet to complete.
2. Import/render each CDA document in the zip file.
3. For each document, fill out the appropriate data in the worksheet.
4. Name the worksheet: `SYSTEM_12523.doc`

### **2.3.3 Evaluation**

1. Submit the worksheet created above to the Project Manager for evaluation.
2. If you find any documents that are problematic, contact the Project Manager as soon as possible so we can work with the source of the data.