## Testing Tool Supplement: 170.314(b)(3) Electronic Prescribing

## Last Updated: October 4, 2012

NIST's ePrescribing Test Tool is designed to validate conformance to NCPDP SCRIPT 10.6 in both EDI and XML flavors.

This supplement for the ePrescribing Test Tool for Meaningful Use Stage 2 (MU2) focuses on four sections of the overall tool. These four sections are:

- EDI Context-Free Validation
- EDI Context-Based Validation
- XML Context-Free Validation
- XML Context-Based Validation

The same validation performed in the "Context-Free Validation" is performed as part of the "Context-Based Validation," therefore it is only necessary to use the "Context Based Validation".

Multiple browsers may be used to access this tool; if the tool does not load completely using Internet Explorer 8 or Internet Explorer 9, alternative browsers such as Firefox, Google Chrome, or Safari are recommended.

The ePrescribing service is running on port 14070. If your firewall blocks HTTP traffic on any port other than 80 (or 443 for HTTPS), this tool may not be accessible. Please retry access from a location without a firewall that blocks these ports.

The following sections outline how to use the context based Validation for sections for validating MU2 conformance.

First start the tool. The public server is located at <u>http://hit-testing.nist.gov:14070/</u>. If you have installed the tool locally, point your browser to the appropriate URL for your installation.

## **EDI Context-Based Validation**

- 1. Navigate to http://hit-testing.nist.gov:14070/.
- 2. From the main screen, click "EDI Validation".
- 3. From the EDI Validation main screen, click "Context-Based Validation".
- 4. Select the desired test case from the selections on the left side of the screen. And then click.
- 5. Click the "Select" button on the right side of the screen.

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Home Context-free Validation Context-based Valida	tion Profile Viewer Vocabulary Documentation		
Test Case Validation Report			
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▼ [NEWRX-MU]-TEST	Test Story		E
T2 ▶ [NEWRX-MU]	Description		
	List the story here		
	PreCondition		
	NO PreCondition.		
	PostCondition		
	NO PostCondition.		
	TestObjectives		

- 6. Open EDI test message that corresponds to the test case in an ASCII text editor of your choice such as (e.g. Notepad in Microsoft Windows).
- 7. Click "Load Data" to load corresponding sample data. You can also cut and paste sample file. See step 7.

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	Message Validation Result			
	Description Line	≎ Column ≎ Location ≎		
	UIB[1].6[1].3 is present whereas it is an unsupp orted element (X-Usage or W-Usage) 2	31 UIB[1].6[1].3		
	UIB[1].6[1].4 is present whereas it is an unsupp orted element (X-Usaoe or W-Usaoe) 2	40 UIB[1].6[1].4		

- 8. Optional. Select all the content in the text editor and copy the content to the clipboard. Inside the testing tool, paste the contents of the clipboard into the "Message Content" pane.
- 9. The tool will inspect the content and display the results such as errors in the Message Validation Result pane.
- 10. The test is responsible to validating the results and will make the final determination of conformance or non-conformance.

## **XML Context-Based Validation**

- 1. Navigate to <a href="http://hit-testing.nist.gov:14070/">http://hit-testing.nist.gov:14070/</a>
- 2. From the main screen, click "XML Validation".
- 3. From the XML Validation main screen, click "Context-Based Validation".
- 4. Select the desired test case from the selections on the left side of the screen.
- 5. Click the "Select" button on the right side of the screen.
- 6. Click Load Data to load the corresponding test data.

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Test Case Validation Report		
Test Cases	Title: T1_test1	► Select
<ul> <li>[NEWRX-MU]-TEST</li> </ul>		
✓ XML	Test Story	
T1_test1	Message/Header/To: Incorrent address test	
T2_test2		
<ul> <li>[NEWRX-MU]</li> </ul>		
T1.0_1.1-NEWRXMU		
T10.0_1.1-NEWRXMU		
T11.0_1.1-NEWRXMU		
T12.0_1.1-NEWRXMU		
T13.0_1.1-NEWRXMU		
T14.0_1.1-NEWRXMU		
T15.0_1.1-NEWRXMU		
T16.0_1.1-NEWRXMU		
T2.0_1.1-NEWRXMU		
T3.0_1.1-NEWRXMU		
T4.0_1.1-NEWRXMU		
T5.0_1.1-NEWRXMU		
T6.0_1.1-NEWRXMU		
T7.0_1.1-NEWRXMU		

- 7. Optional. Instead of step 6, open EDI test message that corresponds to the test case in an ASCII text editor of your choice such as (e.g. Notepad in Microsoft Windows).
- 8. Select all the content in the text editor and copy the content to the clipboard.
- 9. Inside the testing tool, paste the contents of the clipboard into the "Message Content" pane.
- 10. The tool will inspect the content and display the results such as errors in the Message Validation Result pane.

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Context-free Validation Context-based Validation Test Case Validation Report	on Profile Viewer		
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	<pre>1 <?xml version="1.0" encoding="UIF-8"?> 2 &lt;scr:Message xmlns:scr="http://www.ncpdp.c 3 &lt;scr:Header&gt; 4 <scr:to>mailto:xxxxxxx.ncpdp@suresc 5 <scr:from>mailto:xxxxxxx.spi@sure 6 <scr:messageid>201010210629262NXX 7 <scr:sentime>2010-10-21T06:29:26. 8  9 <scr:header> 9 <scr:header></scr:header></scr:header></scr:sentime></scr:messageid></scr:from></scr:to></pre>	org/schema/SCRIPT" xmlns:xsi="http://v xripts.com escripts 001 .12	rw. w3.c
	II <scr:newrx> II <scr:prescriberordernumber>605</scr:prescriberordernumber></scr:newrx>	33186107004-278 <th>mber&gt;</th>	mber>

11. The test is responsible for validating the results and will make the final determination of conformance or non-conformance.