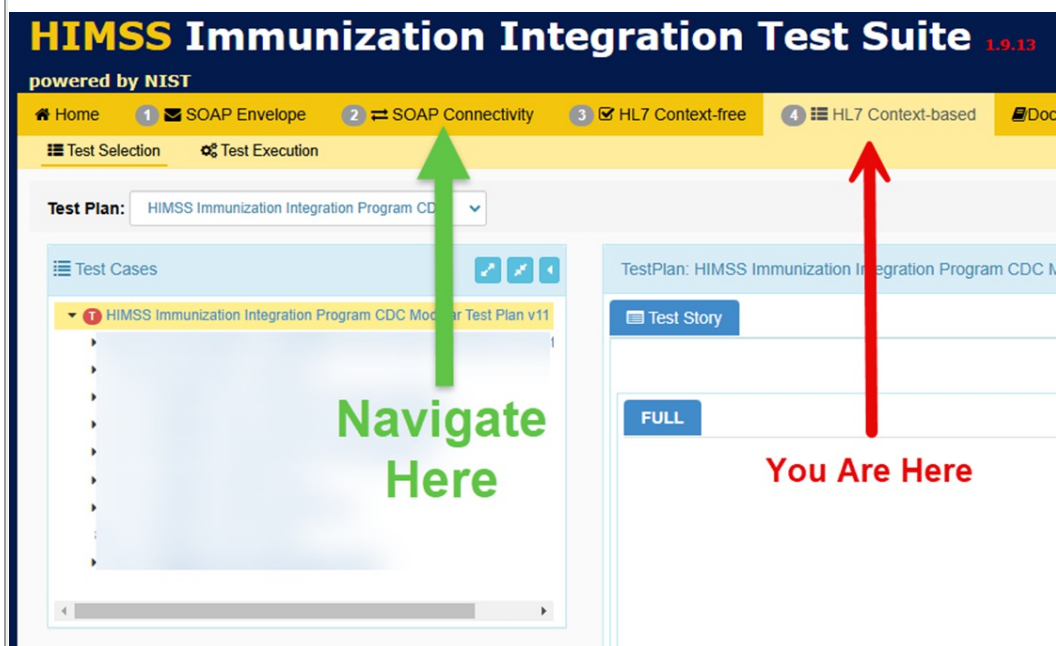**Description**

This test evaluates the capability of a sender (initiator) technology to connect to an immunization information system (IIS) and to generate and transmit a message conforming to the SOAP 1.2 standard and CDC WSDL 1.0 that may be used for transporting an HL7 message to an immunization information system (IIS).

See test case within the SOAP Connectivity yellow navigation tabs at the top of this tool. All testing for this capability is done outside of the HL7 Context-based menus.

Comments

Unlike other IIP capabilities:

- this is performed outside of the context-based tests

- it is not divided into test cases (functions) and test steps (requirements)

Pre-condition

The SUT is ready to be configured to establish connectivity with an IIS.

Post-Condition

Transport is configured to use the SOAP-based CDC WSDL.

Test Objectives

Using the test tool and instructions published by NIST at: https://hl7v2-iz-cdc-testing.nist.gov/iztool/#/soapConn

The SUT is able to successfully execute SOAP Connectivity test cases.

The body of the SOAP message must contain:
-the element submitSingleMessage, as defined in the CDC WSDL 1.0
-the hl7Message element set to a single HL7 v2 message (properly formatted for inclusion within XML, e.g. CDATA)
-the tool-assigned string values for the username, password and facilityID elements

Configure SOAP-based CDC WSDL for Transport: The EHR or other clinical software system configures connectivity using the SOAP-based CDC WSDL and demonstrates compliance with this standard transport.

Evaluation Criteria

This is a non-evaluated test step that must be performed.

This was an attestation item-previously attested to.

The SUT has two (2) options for attestation.

1. If the SUT is already connected to an IIS with the SOAP-based CDC WSDL as transport, then the SUT shall list at least one (1) IIS they have connected to via this method along with the attestation.

2. If the SUT has never connected to an IIS via SOAP-based CDC WSDL the SUT shall perform CDC WSDL testing via the NIST IIP test suite which is comprised of SOAP Envelope testing and SOAP Connectivity testing. This testing shall take place during the required self-testing timeframe. After completion of testing the SUT shall provide test reports downloaded from the testing of both SOAP Envelope and SOAP Connectivity along with the attestation.