**Immunization Test Tool Release Notes for Version 1.4.0 September 1, 2016**

**Data**

| **Test Case** | **Issue** | **Resolution** |
| --- | --- | --- |
| Administrative Group  All Send\_V04\_Z22 Test Steps except   * IZ-AD-7.1\_Send\_V04\_Z22 * IZ-AD-10.1\_Send\_V04\_Z22 | RXA-5 (Administered Code) includes NDC codes where RXA-9 is “00^New Record^NIP001”, and the Categorization of RXA-5.1 (Identifier) is “Value – Test Case Fixed”. | The Categorization of RXA-5.1 (Identifier) has been changed to “Value – Test Case Fixed List”, and the Tool now allows this field to be populated with any one of multiple valid values for the specific vaccine provided in the test data. This change accommodates the ability of the HIT Module to send either Unit of Use or Unit of Sale NDC codes.  The Example Message and Message Content Sheet list only one of the valid values as the test data in the RXA-5.1 Location. |
| IZ-AD-1\_Admin\_Child  Test Step: IZ-AD-1.1\_Send\_V04\_Z22 | The NDC code in RXA[1]-5.1 (Identifier) indicated that Pentacel was the vaccine administered, but the manufacturer information in RXA[1]-17 and the VIS identifiers in OBX[5]-5 for the VIS identifiers were not correct for Pentacel. | The values in RXA[1]-17 have been changed to “PMC^Sanofi Pasteur^MVX”.  The Hep B VIS value in OBX[5]-5 has been replaced with Haemophilus Influenzae type b VIS (the VIS for the DTaP and IPV components in the message remain unchanged). |
| Administration Group  All V04\_Z22 Test Steps | The Patient Address Type (PID-11.7) and Next-of-Kin Address Type (NK1-4.7) fields in the example messages are populated with “P” for Permanent. The Message Content Sheets for these Test Cases list “P” as the test data for these fields, and the Categorization is “Value-Test Case Fixed”. The Tool only accepts “P” as the code for these fields. | In order to provide needed flexibility during testing, the Categorization of PID-11.7 and NK1-4.7 has been changed to “Value – Test Case Fixed List”, and the Tool now allows P, L, H, or C as the code for these fields.  The Example Messages for these Test Steps still list “P” as the code in these fields. The Message Content Sheets for these Test Steps still list “P” as the test data for these fields. |
| Evaluated History and Forecast Group  All Q11\_Z44 Test Steps | The Patient Address Type (QPD-8.7) field in the example messages is populated with “L” for Legal Address. The Message Content Sheets for these Test Steps list “L” as the test data for these fields, and the Categorization is “Value-Test Case Fixed”. The Tool only accepts “L” as the code for these fields. | In order to provide needed flexibility during testing, the Categorization of QPD-8.7 has been changed to “Value – Test Case Fixed List”, and the Tool now allows P, L, H, or C as the code for this field.  The Example Messages for these Test Steps now list “P” instead of “L” as the code in this field. The Message Content Sheets for these Test Steps also list “P” instead of “L” as the test data for these fields. |
| Evaluated History and Forecast Group  All K11\_Z42 Test Steps | The Patient Address Type (PID-11.7 and QPD-8.7) fields in the example messages are populated with “L” for Legal Address. The Message Content Sheets for these Test Steps list “L” as the test data for these fields. | In order to match up with the code in the QPD-8.7 field in the Example Messages provided for the Q11\_Z44 Test Steps, the Example Messages for the K11\_Z42 Test Steps have been changed to list “P” instead of “L” as the code in the PID-11.7 and QPD-8.7 fields. The Message Content Sheets for these Test Steps also have been changed to list “P” instead of “L” as the test data for these fields. |
| Evaluated History and Forecast Group  All K11\_Z33 Test Steps | The Patient Address Type (QPD-8.7) field in the example messages are populated with “L” for Legal Address. The Message Content Sheets for these Test Steps list “L” as the test data for these fields. | In order to match up with the code in the QPD-8.7 field in the Example Messages provided for the Q11\_Z44 Test Steps, the Example Messages for the K11\_Z33 Test Steps have been changed to list “P” instead of “L” as the code in the QPD-8.7 field. The Message Content Sheets for these Test Steps also have been changed to list “P” instead of “L” as the test data for this field. |
| IZ-QR-3\_Query\_No\_Patients  IZ-QR-3.1\_Query\_Q11\_Z44  and  IZ-QR-3.2\_Response\_NF\_K11\_Z33 | The Patient List fields (QPD-3.4.1 and 3.4.2) in the example messages and Message Content Sheets are populated with “NIST MPI” and “2.16.840.1.113883.3.72.5.30.2” respectively. | For consistency across all of the Evaluated History and Forecast Group Test Cases (and also for consistency with PID-3.4.1 and 3.4.2 in the IZ-AD-8.1\_Send\_V04\_Z22 test message), the test data in the Patient List fields (QPD-3.4.1 and 3.4.2) in the example messages and Message Content Sheets have been changed to “NIST-MPI-1” and “2.16.840.1.113883.3.72.5.40.5” respectively. |
| Administration Group  Test Steps:  IZ-AD-1.1\_Send\_V04\_Z22  IZ-AD-9.1\_Send\_V04\_Z22 | The VIS fully-encoded text string (VIS barcodes) do not reflect the latest posted on the CDC website for the Polio Vaccine VIS. | The VIS text strings have been changed from “253088698300017211111108” to “253088698300017211160720” to reflect the latest posted on the CDC website for Polio Vaccine VIS. |
| Administration Group  Test Step:  IZ-AD-1.1\_Send\_V04\_Z22 | The VIS fully-encoded text string (VIS barcodes) do not reflect the latest posted on the CDC website for the Pneumococcal Conjugate (PCV13) Vaccine VIS. | The VIS text string has been changed from “253088698300015811130227” to “253088698300015811151105” to reflect the latest posted on the CDC website for Pneumococcal Conjugate (PCV13) Vaccine VIS. |
| Administration Group  Test Steps:  IZ-AD-5.1\_Send\_V04\_Z22  IZ-AD-6.1\_Send\_V04\_Z22 | The VIS fully-encoded text string (VIS barcodes) do not reflect the latest posted on the CDC website for the Hepatitis A Vaccine VIS. | The VIS text strings have been changed from “253088698300004211111025” to “253088698300004211160720” to reflect the latest posted on the CDC website for Hepatitis A Vaccine VIS. |
| Administration Group  Test Step:  IZ-AD-8.1\_Send\_V04\_Z22 | The VIS fully-encoded text string (VIS barcodes) do not reflect the latest posted on the CDC website for the Hepatitis B Vaccine VIS. | The VIS text string has been changed from “253088698300005911120202” to “253088698300005911160720” to reflect the latest posted on the CDC website for Hepatitis B Vaccine VIS. |

**Specific Validation**

| **Issue** | **Resolution** |
| --- | --- |
| The Value Sets in the Tool include only NDC codes for Unit of Use, so messages created by an HIT Module are validated only for Unit of Use NDC codes. | NDC codes for Unit of Sale have been added to the Value Sets in the Tool. The Tool now includes two NDC code Value Sets on the CDC-IZ tab:   1. NDC\_Sale (NDC Unit of Sale) 2. NDC\_Use (NDC Unit of Use).   This change accommodates the ability of the HIT Module to submit messages to the Tool for Context-free and Context-based validation with either Unit of Use or Unit of Sale NDC codes. |
| The VIS fully-encoded text string (VIS barcodes) have not reflected the latest posted on the CDC website. | The VIS fully-encoded text string (VIS barcodes) will be kept updated to reflect the latest posted on the CDC website. |

**User Interface**

| **Issue** | **Resolution** |
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| None |  |

**Core Functionality**

| **Issue** | **Resolution** |
| --- | --- |
| None |  |

**Documentation**

| **Issue** | **Resolution** |
| --- | --- |
| A Tutorial document for SOAP Envelope and SOAP Connectivity was not available via the Tool | A Tutorial for SOAP Envelope and SOAP Connectivity has been posted on the Documentation tab in the Tool |

**SOAP Functionality**

| **Issue** | **Resolution** |
| --- | --- |
| In all previous releases of the tool, the SOAP Connectivity tests for the Receiver did not provide an “action” parameter in the HTTP header's Content-Type field for test messages transmitted to receivers (systems under test). The action parameter is required by SOAP 1.2 for all operations defined in a WSDL unless explicitly declared otherwise. | Based on the CDC WSDL declaration of operations, theaction parameter has been added.  Note: not all receivingsystems actually require the action parameter (mostIIStested do not), however, a small but significant number of systems mayreject messages sent to them whenthe action parameter isn't present. |

**Improvements/Features**

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| The “Hello Guest” feature – with Login, Register, Reset Password, Transport Settings, and Validation Settings options – has been added to the Immunization Messaging Test Tool. These options enable the Tester to:   * Create an Immunization Test Tool account (with Username and Password) and log in using that account each time the Test Tool is used * Reset Password in case it is forgotten * Configure the Tool to be used for automated transport via the Transport Settings * Via the Validation Settings, choose one or more validation response types (Error, Alerts, Warnings, Affirmatives) that the Tool will display during the validation process   Creating an Immunization Test Tool account enables the Tester to set up and save Transport and Validation settings. Then, when the Tester logs in using their Immunization Test Tool account, their selected Transport and Validation settings are retrieved and applied automatically to the validation testing session. Once a user is logged in, their Username will appear in place of “Guest” in “Hello Guest”. |

**Issues for a Future Release**

| **Test Case/if Applicable** | **Issue** |
| --- | --- |
| Multiple | Due to lack of clarity in the implementation guide on the use and purpose of this element, the test tool will only validate the first occurrence of RXA.9. Therefore, any errors related to RXA.9 repetitions should be ignored. |