**Immunization Test Tool Release Notes for Version 1.n.n MMM DD, 20YY**

**Data**

| **Test Case / Message Profile** | **Issue** | **Resolution** |
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**Specific Validation**

| **Issue** | **Resolution** |
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| For Z23 (ACK), the validator accepts values 1 through 6 for ERR-5.1 (Application Error Code Identifier) and the validator requires that ERR-5.3 (Name of Coding System) be “HL70533”.    HL70533 (Application Error Code) is a user-defined table, so IISs have the right to add values (codes and descriptions) to this Value Set; in addition, for ERR-5.1 and ERR-5.3 IISs could use locally-defined codes for local Coding Systems that are included in HL70396, such as 99zzz or L. | The HL70533\_IZ Value Set for Z23 (ACK) has been modified in the Tool; Extensibility="Open" has been added to the ValueSetDefinition BindingIdentifier="HL70533\_IZ" Name="Application Error Code" section of the ACK-Z23\_ValueSetLibrary.xml  As of this modification, for Z23 (ACK) messages the validator allows:   * ERR-5.1 to be any value * ERR-5.3 to be any one of these values   + HL70533   + L   + 99zzz (where zzz could be alpha characters that identify the IIS)   **ALERT ERIC LARSON WHEN READY TO TEST** |
| For VXU messages in the Context-free feature, the validation is generating IZ-23 and IZ-24 error notifications regarding RXA-20, for which the Usage is RE (Required, but may be empty). The validator is missing the Presence check in the IF statement of Constraint IZ-23 and IZ-24; i.e., the tool is not accounting for the “if” part of the conformance statement.  **IZ-23**: If RXA-20 is valued "CP" or "PA" and the first occurrence of RXA-9.1 (Administration Note.code) is “00” then the message SHALL include an OBX segment associated with the RXA with OBX-3.1 shall equal “64994-7”. This OBX will indicate the Patient Eligibility Category for Vaccine Funding Program. | The Tool has been modified and now accounts for the “if” part of the IZ-23 and IZ-24 conformance statements; the previous error notifications related to RXA-20 not being valued no longer cause an error to be generated.  *Note: as best practice, RXA-20 and RXA-9 should be valued if possible.* |

| **Issue** | **Resolution** |
| --- | --- |
| **IZ-24**: If RXA-20 is valued "CP" or "PA" and the first occurrence of RXA- 9.1 is valued “00” and RXA-5.1 is valued with a CVX code from table PHVS\_VISVaccines\_IIS (See Appendix A) then for each vaccine information statement that was shared there SHALL be:  • one OBX segment with OBX-3.1 valued “69764-9” (bar coded) and one OBX with OBX-3.1 valued “29769-7” (presentation /delivery date) associated. Both OBX shall have the same value in OBX-4 OR  • one OBX segment with OBX-3.1 valued “30956-7” (vaccine type) and one OBX segment with OBX-3.1 valued “29768-9” (version date) and one OBX with OBX-3.1 valued “29769-7” (presentation /delivery date) associated. All three OBX shall have the same value in OBX-4 |  |

**User Interface**

| **Issue** | **Resolution** |
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| As of December 2017, the ONC approved an alternative test method, the Immunization Integration Program, which is offered by the Healthcare Information and Management Systems Society (HIMSS). | The verbiage in the “2015 ONC Health IT Certification” box on the Welcome Screen of the Tool has been **modified** to read:  “The NIST Immunization Test Suite is **a** test tool used for certifying ONC 2015 Edition Health IT Modules. The **NIST** capability used for ONC Certification can be accessed by navigating to the ONC 2015 Test Plan **via** the HL7 Context-based **option**. The ONC 2015 Test Plan is used to certify Modules for the §170.315(f)(1) Transmission to Immunization Registries ONC criterion. |
| On Test Execution screen:   * Execution Status of “waiting for message” only applies when automated transport is **turned** **on** while using the Context-based **Test Case-Level** validation * Status of “Complete” currently displays in the Execution Status column when automated transport is **not turned on** while using either the Context-based Test Step-Level or Test Case-Level validation | The Tool has been modified:   * The heading for the column has been changed from “Execution Status” to “**Transport** Status” * The “**Transport** Status” column does not appear at all on the Test Execution screen when automated transport is turned **off** * The “**Transport** Status” column appears and displays “waiting for message” when automated transport is turned **on** (wherever the users turns it on, i.e., either using Transport Settings on the Hello Guest dropdown menu or using the Transport enabling function available on the Test Execution screen after the Test Case is loaded) |

**Core Functionality**

| **Issue** | **Resolution** |
| --- | --- |
| Not all Data Types used (Usage R, RE, C) in the selected Profile display on the Datatypes tab in the Profile Viewer (e.g., “CE” does not display even though it should); other Data Types that are not used (Usage O, X) in the selected Profile are being displayed on the Datatypes tab in the Profile Viewer (e.g., “MO”) when they should not be displayed. | The Datatypes tab in the Profile Viewer in the Tool has been modified  to display only the appropriate Data Types for the selected Profile. |
| In the Test **Step** Level Context-based validation feature of the Tool, the ability to Download PDFs from the Test Selection screen is limited to the Test Story and the Example Message | For the Test **Step** Level Context-based validation feature of the Tool, the ability to Download PDFs from the Test Selection screen has been added for the Test Data Specification, Message Content, and Juror Document |
| In the Test **Case** Level Context-based validation feature of the Tool, the ability to Download PDFs from the **Test Selection** screen is limited to the Test Story.  In the Test **Case** Level Context-based validation feature of the Tool, the ability to Download PDFs from the **Test Execution** screen is limited to the Example Message. | For the Test **Case** Level Context-based validation feature of the Tool, the ability to Download PDFs from the Test Execution screen has been added for the Test Story, Test Data Specification, Message Content, and Juror Document |
| Intermittently in the Profile Viewer, when a Value Set link for an element is selected and the Value Set pop-up window displays, the user must click on the “XClose” button multiple times before the window will close; and then, intermittently, once the initial Value Set pop-up window closes another Value Set pop-up window displays with “Value Set Not Found” in the header and with the message “Sorry, Could not find this table in the library.” | The Tool has been modified. In the Profile Viewer, when a Value Set link for an element is selected and the Value Set pop-up window displays, the user only needs to click on the “XClose” button once and the pop-up window closes. |
| Per the CDC, the Full Name and Short Description for CVX code 187 (zoster vaccine) have been updated to use “recombinant” rather than “subunit”. | Update has been made to the **CVX Value Set** in the Immunization Test Suite for Code 187:   * **Description** has been changed from “zoster vaccine subunit” to “zoster vaccine recombinant”. |
| Per the CDC, new MVX codes have been added to the CDC MVX table for active vaccine re-labelers:   * DSI – Dispensing Solutions * REB – Rebel Distributors * VET - Vetter Pharma Fertigung GmbH & Co. KG | Updates have been made to the **MVX Value Set** in the Immunization Test Suite; added:   * **Code**: DSI **Description**: Dispensing Solutions * **Code**: REB **Description**: Rebel Distributors * **Code**: VET **Description**: Vetter Pharma Fertigung GmbH & Co. KG |
| Per the CDC, the Name of MVX code MIP has been updated to “Emergent BioSolutions” in the CDC tables. | Update has been made to the **MVX Value Set** in the Immunization Test Suite:   * The **Description** for Code MIP has been changed from from “Emergent BioDefense Operations Lansing” to “Emergent BioSolutions” |
| Per the CDC:   * the Unit of Use NDC for HEPLISAV-B has been updated from 43528-0002-05 to 43528-0002-01 in the CDC NDC tables. (The CDC notification email of 1/19/18 incorrectly listed these NDCs as 43528-**002**-05 to 43528-**002**-01.) * the CDC NDC tables continue to use 43528-0002-05 as the Unit of Sale NDC per the package insert. (The CDC notification email of 1/19/18 incorrectly listed this NDC as 43528-**002**-05.) | Update has been made to the **NDC/Unit of Use Value Set** in the Immunization Test Suite:   * Replaced NDC 43528-0002-05 with NDC 43528-0002-01 for “Hepatitis B vaccine (recombinant), adjuvanted” (i.e., HEPLISAV-B) |
| Per the CDC, new NDCs for IXIARO (Japanese Encephalitis IM) by Vetter Pharma Fertigung GmbH & Co. KG have been added, along with a new product entry, to the CDC NDC tables. | Update has been made to the **NDC/Unit of Use Value Set** in the Immunization Test Suite:   * Added NDC 62195-0051-10 for “Japanese Encephalitis IM”   Update has been made to the **NDC/Unit of Sale Value Set** in the Immunization Test Suite:   * Added NDC 62195-0051-10 for “Japanese Encephalitis IM” |
| Per the CDC, new NDCs for Adacel (Tdap) by Sanofi Pasteur have been added to the CDC NDC table. | Update has been made to the **NDC/Unit of Use Value Set** in the Immunization Test Suite:   * Added NDC 49281-0400-89 for “Tdap”   Update has been made to the **NDC/Unit of Sale Value Set** in the Immunization Test Suite:   * Added NDC 49281-0400-20 for “Tdap” |
| **In future versions of the immunization IG**, LOINC code 48767-8 can be used in an OBX segment (OBX-3) for documenting free text comments (rather than overloading RXA-9 with multiple types of data). This alternative method is not in Release 1.5; it is considered current best practice.  Currently, LOINC code 48767-8 is not in the NIST testing tool value set for OBX-3, so an error notification is generated when it is included in a test message.  **In future versions of the immunization IG**, the Datatype “TX” will be used for OBX segments with LOINC code 48767-8. Table HL70125 is constrained in Release 1.5 and does not include “TX”.  Currently, Datatype “TX” is not in the HL70125 Value Set in the NIST testing tool, so an error notification is generated when it is included in a test message. | Update has been made to the **NIP003 Value Set** in the Immunization Test Suite; added:   * **Code**: 48767-8   **Code System**: LN  **Description**: Annotation comment [Interpretation] Narrative  Update has been made to the **HL70125 Value Set** in the Immunization Test Suite; added:   * **Code**: TX   **Code System**: HL70125  **Description**: Text data  These requirements/modifications do not affect ONC Edition 2015 HIT certification testing, which conforms to Release 1.5 of the immunization IG. |

**Documentation**

| **Issue** | **Resolution** |
| --- | --- |
| The Tutorial for Immunization Tool for HL7v2 Validation has an older version of the tool’s screens and needs more information about use of the automated Transport feature. | The Tutorial for Immunization Tool for HL7v2 Validation has been updated to show the current version of the tool’s screens and to include more information about use of the automated Transport feature with the Context-based validation (see Context-Based *Test Case Level Testing* With Automated Transport Demonstration slides). |

**SOAP Functionality**

| **Test Case** | **Issue** | **Resolution** |
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|  | None |  |

**Improvements/Features**

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| None |

**Issues for a Future Release**

| **Test Case/if Applicable** | **Issue** |
| --- | --- |
|  | None |