Australian Government
Australian Digital Health Agency

Clinical Package Validator Release Note

1 June 2018 v2.7
Approved for external use
Document ID: DH-2685:2018

Related end product identifier: EP-2684:2018

Release rationale

Version 2.7 of the Clinical Package Validator (i.e. Validator) enables software developers to improve the depth and automation of clinical document conformance testing.

The new release includes a number of defect fixes and enhancements which will improve the Validator's ability to effectively support implementers in their conformance assessment activities.

Additional updates have been added to the Validator's documentation.

The Validator introduces call back functions required by advanced Information Quality Rules (IQ Rules). Developers can perform more thorough conformance tests[1] of clinical documents using the latest version of the Agency's IQ Rules. IQ Rules enable developers to perform in-depth analysis of clinical documents that complements the structural analysis performed by standard template packages. The Validator supports the parallel execution of IQ Rules and standard template packages. IQ Rules are published separately by the Agency.

For a comprehensive list of all changes and defect fixes, please refer to Change details, below.

Before formally declaring conformance of a software product to the System Operator of the My Health Record system, developers need to perform additional tests to ensure full coverage of all requirements. Please refer to the *Clinical Package Validator Product Data Sheet* for more detailed information about the Validator's coverage of requirements and conformance test cases.

Package inclusions

New

None

[1] Before formally declaring conformance of a software product to the System Operator of the My Health Record system, developers need to perform additional tests to ensure full coverage of all requirements. Please refer to the *Product Data Sheet* for more detailed information about the Validator's coverage of requirements and conformance test cases.

Updated (supersedes previous version)

Identifier	Name and version
DH-2685:2018	*Clinical Package Validator – Release Note v2.7* (this document)
DH-2686:2018	*Clinical Package Validator – Software Package v2.7*
DH-2737:2018	*Clinical Package Validator – User Guide v2.7*
DH-2736:2018	*Clinical Package Validator – Installation and Configuration Guide v2.7*
DH-2735:2018	*Clinical Package Validator – Product Data Sheet v2.7*

Removed

None

No change

None

Change details

This release of the Validator contains the following changes:

Type	ID	Change
Enhancement	CCTT-823	external function to compare elements of the HL7 TS data type
Enhancement	CCTT-822	request to validate XDS metadata that accompanies a CDA package
Enhancement	CCTT-821	External functions for codes
Enhancement	CCTT-820	support for FLWOR expressions
Enhancement	CCTT-819	make it optional to include a My Health Record template
Enhancement	CCTT-818	need a function to order a sequence of dates
Enhancement	CCTT-815	consolidated test report is needed
Enhancement	CCTT-814	need a function to order a sequence of character strings
Enhancement	CCTT-811	Support for encodings other than UTF-8
Enhancement	CCTT-806	Time format could be more human readable
Enhancement	CCTT-803	Usability : Button labelled "XML"
Enhancement	CCTT-797	Hyperlinks in Help>About are not clickable
Enhancement	CCTT-796	Change references from IHTSDO to SNOMED International
Enhancement	CCTT-593	Include the Sign File Information in the test report
Enhancement	CCTT-403	Enhancements to the test report template
Enhancement	CCTT-776	Tool will provide a notification when Terminology is 180 days old
Enhancement	CCTT-657	Updated CDA Packaging Test Case description
Enhancement	CCTT-737	Added support for Care Agency Identifiers
Enhancement	CCTT-847	Added support for Requesting Pathology Reference set
Defect	CCTT-817	the linkHtml element is wrongly referred to as the htmlLink element
Defect	CCTT-812	Summary Results for Additional Rules Validation do not reflect the actual results

Type	ID	Change
Defect	CCTT-810	File extension of PDF file
Defect	CCTT-752	reference set error incorrectly reported when there is a codeSystem and no code
Defect	CCTT-741	Incorrect title of test case XSP_SDP_000
Defect	CCTT-709	AMT V3 codes do not seem to be supported for immunisations
Defect	CCTT-905	Solution to replace the comma in site impacted in sample with Semicolon

Audience

- Developers and implementers of clinical information systems.
- System Operator of the My Health Record system.
- National Infrastructure Operator.

Licence

The Agency provides the Clinical Package Validator end product subject to the terms and conditions laid out in the *Non-Production Disclaimer* document contained in the Software Package product component.

Support

For further support or to provide feedback, please email the Agency Help Centre at help@digitalhealth.gov.au or phone 1300 901 001. Your views on the scope and usability of the Validator will inform future releases.

Future releases

The Validator will be released on an ad hoc basis, based on providing new functionality or other changes as required.

Previous releases

Version	Date	Comment
2.6.1	<Not released>	EP-2489:2017 Clinical Package Validator v2.6.1 Release Note **Release rationale** Version 2.6.1 of the Clinical Package Validator (Validator) introduces call back functions required by advanced Information Quality Rules (IQ Rules). Developers can perform more thorough conformance tests[2] of clinical documents using the latest version of the Agency's IQ Rules. IQ Rules enable developers to perform in-depth analysis of clinical documents that complements the structural analysis performed by standard template packages. The Validator supports the parallel execution of IQ Rules and standard template packages. IQ Rules are published separately by the Agency.

[2] Before formally declaring conformance of a software product to the System Operator of the My Health Record system, developers need to perform additional tests to ensure full coverage of all requirements. Please refer to the *Product Data Sheet* for more detailed information about the Validator's coverage of requirements and conformance test cases.

Version	Date	Comment
2.5	20 May 2016	EP-2489:2017 Clinical Package Validator v2.5 Release Note **Release rationale** Version 2.5 of the Clinical Package Validator (Validator) provides software developers with enhanced capabilities to achieve a greater degree of automation and depth of their conformance tests of clinical documents. The new release helps developers reduce efforts for manual conformance testing and increase their confidence about their targeted test coverage when declaring conformance. This is achieved through new types of validation checks, greater depth of document inspections and improved automation features. The new Validator supports: • More powerful validations through additional validation languages: ○ ISO Schematron ○ XSLT v2.0 ○ XPath v2.0 ○ XQuery v1.0 • Improved batch operation and reporting. • Australian Immunisation Register (AIR) documents. For a comprehensive list of all changes and defect fixes, please refer to release note. Before formally declaring conformance of a software product to the System Operator of the My Health Record system, developers need to perform additional tests to ensure full coverage of all requirements. Please refer to the *Product Data Sheet* for more detailed information about the Validator's coverage of requirements and conformance test cases.

<table>
<tr><th>Version</th><th>Date</th><th>Comment</th></tr>
<tr><td>2.4</td><td>20 May 2016</td><td>EP-2257:2016 Clinical Package Validator v2.4
Release Note
Release rationale
Version 2.4 of the Clinical Package Validator (“the Validator”) has been released to provide the following functional improvements:
<table>
<tr><th>ID</th><th>Change</th></tr>
<tr><td>CCTT-704</td><td>Support added for loading combined SNOMED CT[3]-AU and AMT v3 code sets:
AMT v3 and SNOMED CT-AU are now published by NEHTA as combined code sets. The Validator supports the loading of additional combined SNOMED CT-AU and AMT v3 code sets. This allows users to perform validations against versions of these combined code sets that are released after the publication of this Validator release.</td></tr>
<tr><td>CCTT-703</td><td>Support removed for loading AMT v2 code sets:
AMT v2 has been deprecated more than 18 months ago and no more updates will be published for AMT v2. The Validator continues to support validations against the latest version of the AMT v2 code set, which is preinstalled with the Validator and does not need to be loaded by the user.</td></tr>
<tr><td>CCTT-618</td><td>Improved usability of report tabs for terminology validations:
User feedback suggested that the previous naming of these report tabs could be misleading. Tabs have been renamed and User Guide improved.</td></tr>
<tr><td>CCTT-606</td><td>Improved highlighting of overrides in test reports</td></tr>
</table>
In addition, this release provides a number of defect fixes outlined in section Defect fixes.
This release contains the following new product component:
• The Product Data Sheet provides all release-independent information about the Clinical Package Validator end product. This information was previously included in this release note, which is now focused on information about this particular release.
Before formally declaring conformance of a software product to the System Operator of the My Health Record system, vendors need to perform additional tests to ensure full coverage of all requirements. Please refer to the Product Data Sheet for more detailed information about the Validator’s coverage of requirements and conformance test cases.</td></tr>
<tr><td>2.3</td><td>17 Jul 2015</td><td>EP-2134:2015 Clinical Package Validator v2.3
Release Note
Release rationale
• Name change to Clinical Package Validator.
• Support the validation of eHealth Diagnostic Imaging Reports that reference clinical information outside the clinical package (e.g. a diagnostic image on a website), through the automation of version 1.5 of the Conformance Test Specification for CDA[4] Packaging.
• Provide a platform that enables the automation of conformance test cases and test scenarios, through the application of Schematron rules that are in addition to those in a PCEHR template package.</td></tr>
<tr><td>2.2</td><td>–</td><td>Not released</td></tr>
</table>

[3] “SNOMED” and “SNOMED CT” are registered trademarks of the International Health Terminology Standards Development Organisation (IHTSDO).
[4] CDA is a trademark of Health Level Seven International and is registered with the United States Patent and Trademark Office.

Version	Date	Comment
2.1	20 Jan 2015	New and more consistent user interface with summary screen, drag and drop functionality, better handling of files, user management of terminology database, inclusion of version 1.2.9 of the generic style sheet.
2.0	22 Aug 2014	New package validation function built; Schematron libraries removed; added ability to load template packages for the validation of clinical documents and CDA packages.
1.12.8	08 Jan 2014	Support for both HPI-I relaxation and HPI-I enforcement by Schematron libraries in alignment with PCEHR release 4 (patch for v1.12, to replace v1.12.5a).
1.12.7	08 Jan 2014	Support for HPI-I relaxation by Schematron libraries in alignment with PCEHR release 4 (patch for v1.12, to replace v1.12.5a)
1.12.5a	15 May 2013	Revised validation rules (patch for v1.12, to replace v1.12.5)
1.12.5	20 Mar 2013	Revised validation rules (patch for v1.12)
1.12.2	20 Aug 2012	Validation rules aligned with PCEHR R1c (patch for v1.12)
1.12	15 July 2012	Functionality, validation rules and terminology aligned with PCEHR R1b

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