Australian Government
Australian Digital Health Agency

Clinical Package Validator
Release Note

29 May 2017 v2.5
Approved for external information
Document ID: DH-2490:2017

Related end product identifier: EP-2489:2017

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 section *Release 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 *Product Data Sheet* for more detailed information about the Validator's coverage of requirements and conformance test cases.

Package inclusions

New

None

Updated (supersedes previous version)

Identifier	Name and version
DH-2490:2017	*Clinical Package Validator – Release Note v2.5* (this document)
DH-2491:2017	*Clinical Package Validator – Product Data Sheet v2.5*
DH-2492:2017	*Clinical Package Validator – Software Package v2.5*
DH-2493:2017	*Clinical Package Validator – User Guide v2.5*
DH-2494:2017	*Clinical Package Validator – Installation and Configuration Guide v2.5*

Removed

None

No change

None

Release details

This release of the Validator contains the following changes:

ID	Change
CCTT-743 CCTT-759	More powerful validations through additional validation languages: • ISO Schematron (ISO/IEC 19757-3) • XSLT 2.0 • XPath 2.0 • XQuery 1.0
CCTT-745 CCTT-746 CCTT-750	Enhanced support for batch validations: • Batch validation of all clinical documents in a folder • Using template IDs to identify template packages instead of file names • Generation of test report for command-line invocations
CCTT-751	Improved support for validation of real-world clinical documents: • CDA clinical document no longer included in test report
CCTT-756	Support for SHA-2 NASH certificates
CCTT-762	Improved validation performance through precompilation of validation rules
CCTT-763	Support for Australian Immunisation Register (AIR) document type

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
2.4	20 May 2016	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:

ID	Change
CCTT-704	Support added for loading combined SNOMED CT[1]-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.
CCTT-703	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.
CCTT-618	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.
CCTT-606	Improved highlighting of overrides in test reports

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.

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[1] "SNOMED" and "SNOMED CT" are registered trademarks of the International Health Terminology Standards Development Organisation (IHTSDO).

Version	Date	Comment
2.3	17 Jul 2015	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[2] 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.
2.2	–	Not released
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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[2] CDA is a trademark of Health Level Seven International and is registered with the United States Patent and Trademark Office.

Publication date: 29 May 2017

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