

# Clinical Terminology Tests Supplementary Information

4 November 2014

Approved for external information

## Summary

This release bundle consists of this file plus two spread sheets containing test cases for healthcare software systems that use clinical terminology. These spread sheets are, respectively:

- *Clinical Terminology Tests for Use in Healthcare Software.*
- *Clinical Terminology Tests for Use of Medical Nomenclatures in Information Exchange.*

The test cases in these spread sheets are based on requirements that have been drawn from the following clinical terminology guidance documents:

- *Clinical Terminology - Guidance for Use in Healthcare Software.*
- *Clinical Terminology - Use of Medical Nomenclatures in Information Exchange.*

Both of these clinical terminology guidance documents are available at <http://www.nehta.gov.au/implementation-resources/ehealth-foundations/australian-medicines-terminology-common>.

## Applicability

The applicability of the test cases in this bundle is dependent upon the nature of the healthcare software system being tested, as detailed in the following table.

	Clinical Terminology Tests for Use in Healthcare Software	Clinical Terminology Tests for Use of Medical Nomenclatures in Information Exchange
Healthcare software system that uses the AMT and/or SNOMED CT-AU <sup>1</sup> , either as a native interface terminology or via mapping.	Applicable	Applicable if the software either sends or receives CDA documents or non-CDA messages containing medical nomenclature.
Healthcare software system that uses medical nomenclature but not the AMT or SNOMED CT-AU.	Not applicable	Applicable if the software either sends or receives CDA documents or non-CDA messages containing medical nomenclature.

<sup>1</sup> IHTSDO®, SNOMED® and SNOMED CT® are registered trademarks of the International Health Terminology Standards Development Organisation.

## Clinical Terminology Tests for Use in Healthcare Software

Worksheets in this spreadsheet contain test cases related to native interface use and terminology mapping, as described in the following table.

Worksheet	Description
Native.Interface.Terminology	Tests for healthcare software systems that support the use of the AMT and/or SNOMED CT-AU as a native interface terminology, to ensure they meet the relevant terminology software requirements.
Terminology.Mapping	Tests for healthcare software systems that use the AMT and/or SNOMED CT-AU through mapping to ensure they meet relevant terminology software requirements.

## Clinical Terminology Tests for Use of Medical Nomenclatures in Information Exchange

Worksheets in this spreadsheet contain test cases related to a specific function, as described in the following table.

Worksheet	Description
Out.CDA.Doc.Native	Tests for healthcare software systems producing outbound CDA documents containing encoded concepts from a coding system that supports native interface terminology.
Out.CDA.Doc.Map	Tests for healthcare software systems producing outbound CDA documents containing encoded concepts from a coding system that supports mapping (that is, translations).
Out.Non.CDA.Msg.Native	Tests for healthcare software systems producing outbound non-CDA messages containing encoded concepts from a coding system as a native interface terminology.
Out.Non.CDA.Msg.Map	Tests for healthcare software systems producing outbound non-CDA messages containing encoded concepts from a coding system that supports mapping (that is, translations).
In.CDA.Doc	Tests for healthcare software systems extracting clinical statements from inbound CDA documents.
In.Non.CDA.Msg	Tests for healthcare software systems extracting clinical statements from inbound non-CDA messages.

## Applicability of worksheets

When testing a healthcare software system, a software tester should determine which worksheets apply for the scope of testing, and test results must be provided for every test case in the selected worksheets. The “Intro” worksheet provides information describing the test results that may be selected. When the testing has been completed each test case should have a test result of *Pass*, *Fail* or *N/A*, where *N/A* is used to indicate that the test case is not applicable for the software being tested. If a worksheet is not applicable then no test result needs to be recorded for any of the test cases in the worksheet.

The overall test result for each of the selected worksheets is automatically calculated in the “TSR” worksheet<sup>2</sup>, where the software tester can also provide information about the software being tested and the tests performed.

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<sup>2</sup> TSR = test summary report.

## Test data

- The application of the test cases in *Clinical Terminology Tests for Use in Healthcare Software* requires the use of test data.
- The application of the test cases in *Clinical Terminology Tests for Use of Medical Nomenclatures in Information Exchange* for receiving CDA documents and non-CDA messages also requires the use of test data.

Test data for these test cases is available from NEHTA. It can be obtained by sending a request to [help@nehta.gov.au](mailto:help@nehta.gov.au).

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