nehta

# Secure Messaging Conformance Test Tools
# Product Data Sheet v1.0

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Approved for external information

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**Key features**

- Validate healthcare software in the role of secure messaging delivery (SMD) sender, receiver, sender intermediary and receiver intermediary.

- Provides an example implementation of secure messaging.

**Usage (external)**

- Software testing

**Format**

- Software in the form of a ZIP file (package)

- Manuals in the form of Adobe PDF files (.pdf)

- Certificates for use by the software

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## Introduction

NEHTA's secure messaging conformance test tools includes two components:

1. Secure Messaging Test Harness v1.4.3, which automates the mandatory test cases for all four secure messaging roles (sender, receiver, sender intermediary and receiver intermediary), and also automates the test cases for immediate mode delivery.

2. Secure Message Delivery Agent (SMDA) v1.4.3, which is an example implementation of secure messaging and includes an Endpoint Location Service (ELS).

The secure messaging conformance test tools support the Australian Technical Specification for Secure Message Delivery (ATS 5822-2010).

## Content

### Secure Messaging Test Harness

The Secure Messaging Test Harness interacts with an implementation of the secure messaging delivery Australian technical specifications and executes test cases on a per scenario basis. The secure messaging delivery test cases are test scenarios described in the *Secure Message Delivery - Conformance Test Specification* v1.13.

The *Secure Messaging Test Harness Installation Guide* guides the user through the installation steps of the Secure Messaging Test Harness. National Authentication Service for Health (NASH) certificates for use with the Secure Messaging Test Harness are provided.

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The Secure Messaging Test Harness is provided with a Secure Messaging Test Management System that can be applied to assess implementations for conformance. The Secure Messaging Test Harness displays a colour-coded grid featuring discrete test case results returned by the test harness. Each individual 'pass' or 'fail' item can be traced directly back to any given conformance point and test case.

The *Secure Messaging Test Management System User Guide* describes the use of the Secure Messaging Test Management System.

Four test scenario documents describe how to use the Secure Messaging Test Management System to test secure message delivery senders, sender intermediaries, receivers, and receiver intermediaries.

## Secure Message Delivery Agent

The Secure Message Delivery Agent (SMDA) is an example implementation of secure messaging. The SMDA can be used to interact with the Secure Messaging Test Harness as an implementation under test for training purposes.

The SMDA is provided as an install script that can be executed on a Linux virtual machine. A virtual hard drive ZIP file is provided in this package for implementation with virtual technologies. NASH certificates for use with the SMDA are provided with the SMDA. Further guidance is available in the *Secure Messaging Delivery Agent Virtual Machine Installation Guide*.

# Downloads

The latest version of the Secure Messaging Test Harness and the Secure Message Delivery Agent are part of the *Secure Messaging Conformance Test Tools – Software Package* available from https://www.nehta.gov.au/implementation-resources/ehealth-reference-platform/secure-messaging-integration-toolkit

# References

The following documents are available from nehta.gov.au.

*Secure Message Delivery - Conformance Test Specification* version 1.13, NEHTA, August 2011
https://www.nehta.gov.au/implementation-resources/ehealth-foundations/EP-1880-2014/NEHTA-1894-2011