

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

17 December 2015

Approved for external information

## 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

## 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.

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](http://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>

**Publication date:** 17 December 2015

**Contact for enquiries**

Telephone: 1300 901 001 or email: [help@nehta.gov.au](mailto:help@nehta.gov.au)

**Disclaimer**

The National E-Health Transition Authority Ltd (NEHTA) makes the information and other material ('Information') in this document available in good faith but without any representation or warranty as to its accuracy or completeness. NEHTA cannot accept any responsibility for the consequences of any use of the Information. As the Information is of a general nature only, it is up to any person using or relying on the Information to ensure that it is accurate, complete and suitable for the circumstances of its use.

**Copyright © 2015 National E-Health Transition Authority Ltd**

This document contains information which is protected by copyright. All Rights Reserved. No part of this work may be reproduced or used in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems—without the permission of NEHTA. All copies of this document must include the copyright and other information contained on this page.

**Acknowledgement**

The National E-Health Transition Authority is jointly funded by the Australian Government and all State and Territory Governments.