E-HEALTH CONFORMANCE TESTING

IV&V Australia is a NATA accredited Test Lab, accredited to assess the conformity of e-Health implementations to the Healthcare Identifier (HI) and Secure Message Delivery (SMD) specifications and standards identified by the Australian Digital Health Agency (ADHA).

We work with software vendors and health organisations that have developed health solutions which utilise HI or SMD.

ilac-MRA   **NATA** Accreditation No.14550

What is e-Health Conformance Testing?

The CCA process (Conformance and Compliance Assessment for software) provides assurance that a software implementation adheres to e-Health specifications.

It gives users of conforming implementations confidence that an implementation will:

- Behave as expected
- Perform functions in a known manner
- Have interfaces or formats that adhere to a specification, and
- Is likely to interoperate with other conforming implementations.

It provides assurance with regard to the interoperability and clinical safety for software for each e-Health capability.

An ADHA initiative

To achieve the potential of e-Health, a national approach to assessment was established to address the differences in communication protocols and information exchange models between connected and communicating parties.

A national approach to software assessment for e-Health products and services will maximise interoperability and minimise the number and frequency of failed transactions.

Why is the testing of the software you use important to medical professionals?

Software testing is critical to minimise the risk of:

- Liabilities arising from incorrect information storage, retrieval and access.
- Clinical risk of misdiagnosis and incorrect therapy administration if records and clinical information are not correctly associated, or their integrity is not preserved, over their lifetimes.
- Professional risk arising from damage to reputation and loss of practice capability as a consequence of the above.

To what standards should your software be tested?

CCA testing is conducted by test labs who are accredited by the National Associations of Testing Authorities, Australia (NATA) to ISO 17025, with Healthcare Testing in their terms of accreditation.

Some guidelines:

- NATA accredited testing laboratories have robust and repeatable processes, and are independently and regularly audited to ensure they comply with their accreditation terms.
- ADHA has consulted widely with the industry, and a body of tests for each e-Health capability has been established and agreed.
- ADHA prescribes that certain e-Health capabilities should be tested by NATA accredited test labs before connection to national frameworks can take place.
- Software vendors should ensure that their software meets these criteria.

Why IV&V Australia?

Why choose us for your e-Health CCA testing?

- We have a depth of experience with e-Health testing.
- We take a consultative, helpful approach to working with our clients.
- We are responsive to our clients' needs and can assure a fast turnaround time.
- Our pricing is competitive.

What should you do?

Contact IV&V Australia today for further details on how we can help you through the e-Health conformance testing process.