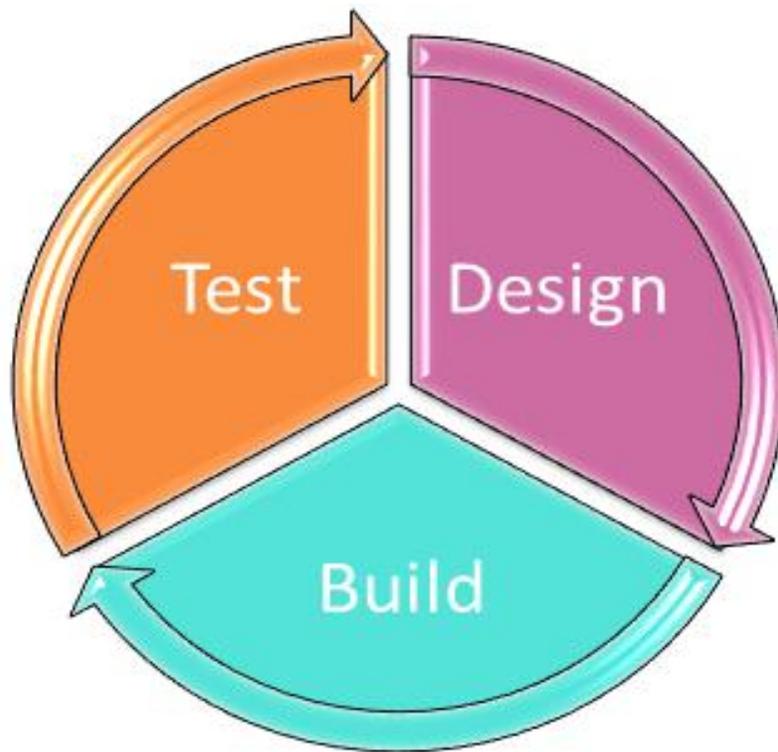


DESIGN BUILD TEST PTY LTD

Business. Outcome. Focus.



## Capability Statement

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1. Test Consultancy	2. Functional Testing	3. Non-Functional Testing	4. Usability & Accessibility
<ul style="list-style-type: none"><li>• Test Process Improvement</li><li>• Test Strategy and Test Plans</li><li>• Risk Assessment</li><li>• Capability and Capacity Assessment</li></ul>	<ul style="list-style-type: none"><li>• Test Design and Execution</li><li>• System and System Integration</li><li>• Regression Testing</li><li>• UAT Coordination</li><li>• Mobile Applications</li></ul>	<ul style="list-style-type: none"><li>• Performance, Load, Stress</li><li>• Automation</li><li>• Security &amp; Penetration</li></ul>	<ul style="list-style-type: none"><li>• Usability Testing</li><li>• Accessibility Compliance</li></ul>

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## 1 Test Consultancy

### 1.1 Test process improvement (TPI)

TPI provides your organisation with the framework to streamline and improve all its testing processes. TPI guides you towards a structured test process that fits with your organisation's culture and activities.

### 1.2 Test Strategy and Plans

#### 1.2.1 Test Strategy

Our multi-skilled team combines their input to the overall approach to testing and development. Early identification of the testing tasks and a rigorous process help ensure that the risks are minimized.

#### 1.2.2 Test Plans

DBT has the expertise to prepare and document Test Plans to IEEE892 Standard (The Standard for Software Documentation). These documents cover very specific critical risk areas of a client's test specifications. A well-formed Test Plan will mitigate the maximum risk in the most efficient, cost effective manner while meeting your desired business outcomes.

### 1.3 Risk assessment

DBT Consultants will conduct a Risk Assessment exercise to identify potential hazards and conduct some analysis of the potential impact of the realisation of the risk. The Risk Assessment will also make recommendations regarding the possible mitigation strategies and methods to deal with the risks identified.

### 1.4 Capability and Capacity Assessment

Our experienced Consultants will conduct an examination of your current Capability and Capacity with a view to making recommendations on possible changes to your present model. These recommendations could include leveraging your existing Capability and Capacity through to increasing the head count or upskilling your present resources.

## 2 Functional Testing

Functional testing is a Quality Assurance process and type of black box testing that tests a product's operation against its specifications to ensure that the Requirements have been met. DBT can conduct a functional assessment using documented test cases based on Functional Specifications that exercises the System under Test to detect defects.

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## 2.1 System Testing

System testing is the process of testing where the complete system is exercised prior to product release. It involves the identification of critical paths and functional points within the system and executing related test cases. These test cases are designed to validate the Business Rules and Functional Specifications.

## 2.2 System Integration Testing

System Integration Testing is a test process that exercises a software systems coexistence with other systems. The integration test considers the amalgamation of units as the system comes together and passes data between them. It tests the various parts of the system and how they interface and integrate with each other.

## 2.3 Mobile Application and Browser compatibility Testing

Design Build Test provides mobile application and device testing capabilities. We test applications or websites across a range of browsers and a suite of mobile test devices. We test on a combination of real devices and software simulators to reveal the actual customer experience on those devices.

## 2.4 Test Design and Execution

Test design is the process of producing test cases to test a System under Test. When considering the Test Design, consideration has to be given to the context of the system, any data required, any prerequisites that may be required and the environment in which they are executed. Test Execution is the execution of the individual test cases. By their nature, test cases are highly customised for each application. DBT Consultants have the expertise to conduct the Test Design and Execution processes.

## 2.5 Regression Testing

Regression testing occurs when there has been changes to a system that has previously been tested. Regression testing seeks to find any defects or issues that have occurred as a consequence of the changes. Regression testing commonly occurs after code changes or new builds or releases have occurred.

## 2.6 UAT Co-ordination

DBT Consultants are highly skilled in co-ordinating User Acceptance Testing. The purpose of User Acceptance testing is to verify that the system that has been developed meets the Business Requirements at the end of the solution implementation. The testers are business people and our Consultants are the 'go-between' between the technical aspects of the project and the business; they help to translate business issues into working, tested software.

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## 3 Non-functional testing

### 3.1 Performance, Load and Stress

Through Performance and Load testing, we subject your system to a range of simulated user load profiles and measure the performance of your system under load. Stress testing determines the breaking points of your system – determining the limitations of an application, and identifying the maximum usage point beyond which a system's performance becomes unacceptable. Load and stress tests provide you with the information you need to make accurate capacity plans that meet user demands in normal and peak conditions and expand as system usage grows. This enables you to plan ahead and make the most of your infrastructure.

### 3.2 Automation

Test automation removes some of the need for manual testing by setting up automated testing tools that run a series of tests regularly on your system or product. The tools interact with an application to simulate the entry of data and verify expected responses. Automated testing can efficiently run regression tests on your software.

### 3.3 Security and Penetration

Design Build Test provides information security testing capabilities through our specialist security test team either on- or off-site. We test applications or websites using a suite of specialised security test tools and custom scripts to test the security and robustness of computer systems across all potential weaknesses and threats. This encompasses all aspects of networks, OS, database, application and mobile vulnerabilities.

## 4 Usability and Accessibility

### 4.1 Usability Testing

We test your system with the most demanding and important factor – real users. Ultimately, this is the only way to determine if your system forms an effective bridge between your business goals and their needs.

### 4.2 Accessibility Compliance

Our Consultants can identify any design elements that may disadvantage certain groups in the use of the product. A design review assesses the technical compliance of the product to international accessibility standards (W3C). Governments world-wide have legislated that products such as web sites should comply with minimal accessibility standards. This service ensures that your product has the widest possible audience, meets the special needs of your audience, and minimises your exposure to litigation.

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