OSMOSYS

Deploying Experience & Expertise™

Independent Validation of software applications has established itself into a successful criterion to measure the functionality and reliability of software. More and more software developers and end-clients are depending on experienced teams for validation. The Independent nature of these teams brings in a number of attributes that contribute positively to the activity, thus making Independent Validation more desirable than Internal Validation.

Osmosys - Three Years of Successful Independent Validation

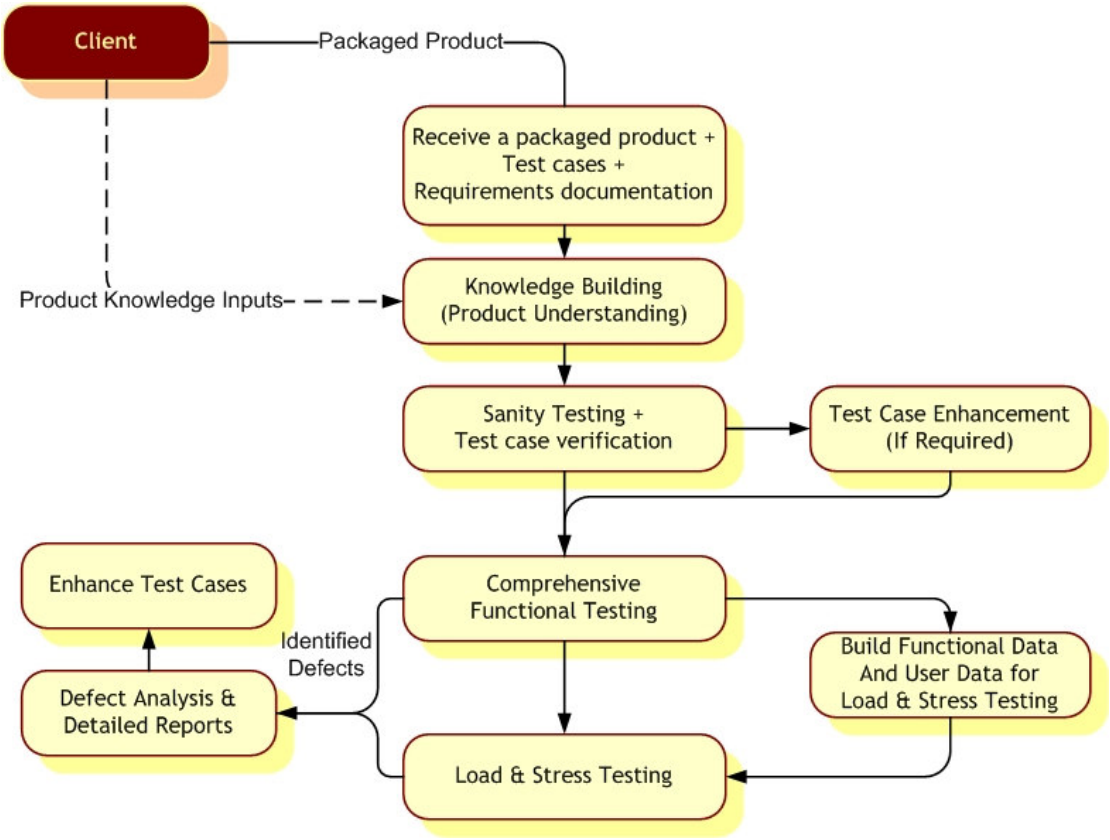
Osmosys believes that good testing comes from people with the experience of software design, development and implementation. Each of these activities instills different aspects of the software life-cycle, thus creating a test engineer unparalleled in quality. Such a belief and commitment to quality has ensured trustworthy testing from Osmosys to clients across the world.

Osmosys has the experience of testing a wide range of software applications, including large hierarchical models including a **State level Police Automation system**, the **Intelligent Spectrum Management Solutions of Cognio, USA** and even small desktop applications.

Enriched with the experience in the software industry, we also have Certified Software Test Managers (from the STQC) among our staff. An appropriate test bed is created for all applications and the testing is conducted from the scratch to ensure smooth installation, functional usage, reliability and stability under load ensuring all aspects of the application are thoroughly tested so that the end user does not experience any difficulty in using the application.

Our range of services includes GUI Testing, Functional Testing, Load Testing, Stress Testing and Regression testing. Appropriate test tools are used depending on the requirement. Our internal bug-tracking tool “Bug Trail” provides the necessary functionality for bug tracking.

The process flow given below explains the various stages of the Independent Validation Process. The activity relating to test case documents, Load & Stress testing is optional.



Flow of activities for Osmosys Services

Why Independent Validation

Following table is self-explanatory on the capabilities of different roles with respect to software product testing.

	Developer	Internal Testing	End User	Independent Testing
Attitude	Biased (Pass)	Influenced	Unbiased	Unbiased
Data Stretching	Little or None	Moderate	Realistic	Extensive
Resource & Time	Adhoc	Dedicated	Usage Dependent	Focused & Experienced
Depth	Rarely	Frequently	Usage Dependent	Exhaustive
Emotional Attachment	High	Low	Low	None
Developer Influence	High	Moderate to High	None	None
Improper actions	Rarely	(Un)planned	Unplanned	Planned

Test Areas

Following are the usual areas of focus of testing for applications. These indicate the broad level of tests that are conducted. Where appropriate, specific other tests will be introduced into the test cycle.

GUI Testing	Screen Level Functionality	Application Level Testing
Screen & Field Formatting tests	Data Format tests	Application Flow testing
Title Match & Uniformity Tests	Special character data	System setting Tests
English Verification Tests	Justification tests	System loading tests
Button Set Tests	Data Cross-Referencing tests	Data integrity tests
Help Tips Tests	Miscellaneous tests	Security tests
Tab Movement tests	Online Help Tests	System reliability tests
Hotkey tests	Tool tip tests	International Test data set
Date Format	**Masters Testing**	**Interoperability**
Date format Tests	Master screen functionality tests	Multiple operating systems
Regional Setting tests	Minimum and maximum sets	Changing System parameters
Synchronization tests (distributed environment)	Master data format & justification tests	Internetworking (dialup, DSL, Proxy etc)
Historical and Future date	Masters cross-reference tests	Multiple Browsers (For Internet apps)
Changing Dates	Masters impact on data tests	PCs & Laptops (Intel, AMD etc)
Installation Tests	**Reports Testing**	**Other Tests**
Installation	Appearance tests	Flow testing
Licensing	Data correctness tests	Load Testing
Prerequisites	Data threshold tests	Stress Testing
Uninstallation	Data loaded reports tests	Import / export tests
Auto / Manual & Others	Parameter manipulation tests	Other interfaces (e-mail, print and anything external)

List of Clients

CMC Limited - India	Cognio Inc - USA
Brahma Solutions - India	Streamline Solutions - USA
Inteq Solutions - India	CyberMatrix-Canada
InfoStep - USA	Chasseral Ltd - United Kingdom
Candeo - USA	Garage Talent - USA

Client Testimonials

"With your services, we believe this statewide, hierarchical system has experienced reduced deployment times, saving us field costs"

-- **Ajay Prakash, AGM-SI, CMC Ltd**

"We were very impressed with the quality and depth of the testing. Even when problems with our software made the testing difficult, the Osmosys team showed great patience and persistence in getting the job done."

-- **Joanne Clark, Technical Director-Chasseral Ltd**

"We have used Osmosys for interoperability and feature testing of our Cognio, ISMS Mobile product. We found that their work is very detailed, rapidly executed, and the communications always smooth and timely. Osmosys quickly grasped the complexities of our test plan and performed all tasks efficiently. We were sufficiently impressed that we recently awarded another testing contract to them for follow on requirements to our product. Overall a very satisfactory and easy to manage experience."

-- **M. K. Hess, Manager, QA & Support, Cognio, Inc**

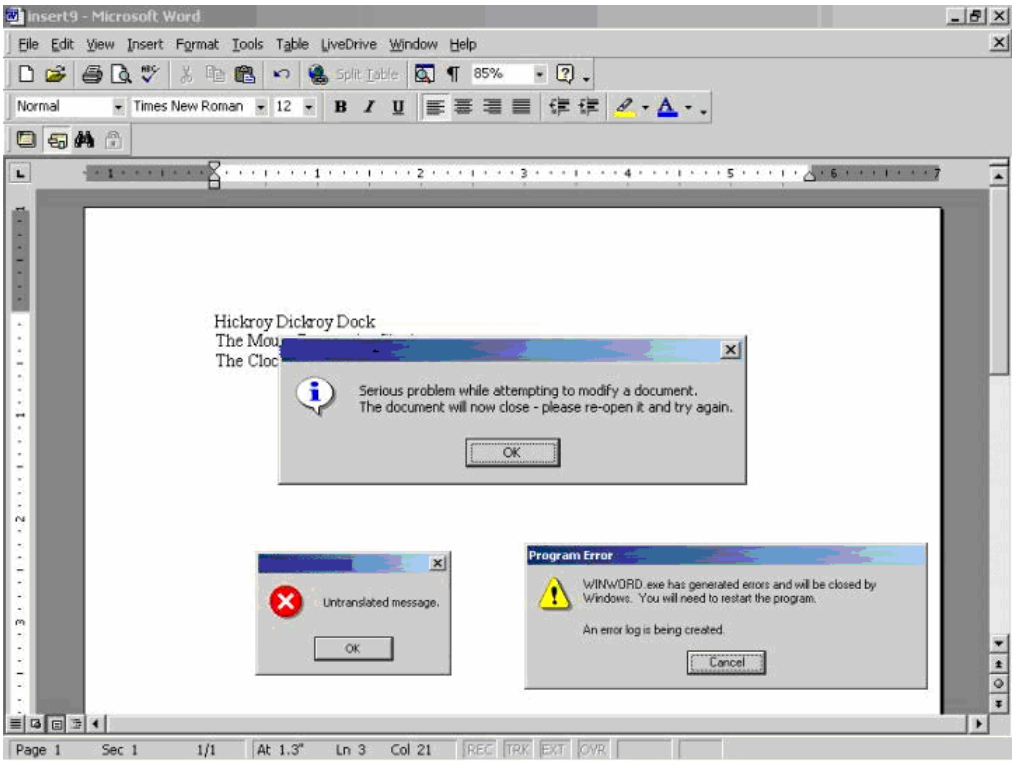
Annexure : Test Report Format

Product Name: HotWire	**Project Name**: HotWire - Add on
Defect ID: Wrd-Edt-005/1202	**Date**: 12-Feb-05
Module / Source: Interface Manager	**Severity**: Critical
Priority: High	**Defect Type:** UI
Reproducible: Yes	**Form:** Add on – Edit

Image attached (Y/N): Yes

Scenario & Issue:

1. In a fresh document, typed few paragraphs (lines)
2. Then, starting from the last character, deleted using the backspace key
3. This set of error messages occurred.



The screenshot given really emphasizes the issue and makes it easy for the developer to understand the situation.

Identified by

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