Wipro’s Test Management and Automation Solution for Mobile Devices

WiTMAS™

Every OEM/ODM, service provider and platform vendor, develops test cases independently to test Mobile Handsets. They need to keep their test cases up-to-date and in sync with ever changing standards and application features. Shrinking costs and time-to-market considerations make the task of ensuring quality, coverage and reliability of applications critical. Most companies are presently faced with the challenge of manual testing, planning and managing multiple phone programs with several testers.

Wipros Test Management and Automation Solution - WiTMAS™ addresses the needs of a Mobile Handset OEM/ODMs, Service Providers and Mobile Platform and Component Vendors. WiTMAS™ is an integrated solution that consists of a Test Management System, a Repository of test cases including test servers for mobile applications and a Test Automation Engine.

The Test Management System
- Supports test planning, test case creation, execution and results management along with report generation
- Supports end-to-end manual/automated testing processes
- Integrated defect tracking system
- Configurable report generation
- Allows 24x7, concurrent usage for multi-site testing
- Email based alert management
- Wizard based test planning
- Generic test case template design to accommodate any testing scenario

The Repository
- Contains 20,000 test cases on various mobile applications
- Includes messaging, WAP / Mobile Internet, DRM, SyncML, J2ME, connectivity, accessories, MMI, multimedia for mobile devices

The Test Automation Engine
This is an interface to integrate WiTMAS Test Management Systems with third party automation tools to provide a test automation environment that provides testing on real devices with the following capabilities:
- Stimulate and monitor mechanism
- Non-intrusive, concurrent automated testing across multiple mobile devices
- OS independent
- Platform independent
- Multi-target
For Service Providers:

WiTMAS test cases applicable for Mobile Acceptance Testing:

Sanity, Functionality, Interactive, Interoperability, Adversarial, Performance, Stress and Concurrency Testing

Benefits

- Reduced test cycle time
- Increased test coverage
- Improved test accuracy
- Accelerated time to market
- Efficient and quick test planning

For OEM's Mobile Handset:

WiTMAS test cases are applicable for different product development life cycles:

- **During Development**: Sanity Testing, Regression Testing, Conformance & Functionality Testing, Interactive, System Testing
- **During Production at Factory**: Sanity Testing, Performance Testing, Stress Testing, Concurrence Testing
- **Before releasing to Service Providers**: Adversarial, Interoperability, Field / Drive Testing

Wipro Technologies is a USD 3.45 Bn IT Services company with over 590 clients globally. We have more than 68,000 employees, 45 Sales Offices and 46 Global Development Centers. We ensure stringent quality measures including using Six Sigma, PCMM, CMM Level 5, CMMi and Lean methodologies.

With 6000+ dedicated testers, the Testing Services Division is amongst the largest third party offshore testing services providers in the world.

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