

MERCURY FUNCTIONAL TESTING FOR WIRELESS

Mercury Functional Testing™ for Wireless is a test-automation solution for applications running on Symbian OS™-based smart phones.

Mercury Functional Testing for Wireless combines Mercury's market-leading functional testing product, Mercury QuickTest Professional™, with a Windows-based application. This enables the tester to connect, control, and display the software from a Symbian OS phone and perform a multitude of tests.

Mercury QuickTest Professional provides the industry's best solution for functional and regression test automation for every major software application and environment. This next-generation automated testing solution deploys the concept of Keyword-Driven testing to radically

simplify test creation and maintenance. Test automation experts have full access to the underlying test and object properties, via an integrated scripting and debugging environment that is round-trip synchronized with the Keyword view.

Mercury QuickTest Professional satisfies the needs of both technical and non-technical users, enabling companies to deploy higher-quality applications faster, cheaper, and with less risk.

Mercury Functional Testing for Wireless adds one additional Windows program application and its documentation, and places Symbian software on a PC for installation on a supported device. It can then connect, control and display information about supported devices

With this product, your organization can achieve a number of advantages:

- Empower the entire team to create sophisticated test suites with minimal training
- Fully document and replicate handset defects, enabling them to be fixed in line with production deadlines
- Easily regression test in constantly changing applications and environments
- Perform testing that was previously extremely labor-intensive or impossible
- Use real devices, not simulation or emulation of the complexities of the radio network



Mercury Functional Testing for Wireless enables testers to connect, control, and display the software from a Symbian OS phone and perform multitudes of functional tests.

SUPPORTED DEVICES

Nokia 6630, Nokia 6680, Nokia 9500 Communicator, and Sony Ericsson P910i. Prototype devices can be supported as professional services engagements.

HOW IT WORKS

Mercury QuickTest Professional allows you to create a test by simply declaring the test steps using the script-free Keyword view. QuickTest Professional also documents each test step in plain English, and combines this with an integrated screenshot via the ActiveScreen. QuickTest Professional's Keyword-Driven approach lets you easily insert, modify, data-drive, and remove test steps within a script.

Mercury QuickTest Professional can automatically introduce checkpoints to verify application properties and functionality – to validate output or check link validity, for example. For each step in the Keyword View, an ActiveScreen shows exactly how the application under test looked at that step. You can also add several types of checkpoints for any object to verify that components behave as expected.

You can then enter test data into the Data Table, which has an integrated spreadsheet-like functionality, to manipulate data sets and create multiple test iterations, without programming, to expand test case coverage.

Advanced testers can view and edit their tests in the Expert View, which reveals the underlying industry-standard VBScript that Mercury QuickTest Professional automatically generates.

Once a test has run, a TestFusion report displays a high-level results overview, an expandable Tree View of the test specifying exactly where application failures occurred, the test data used, application screen shots for every step that highlight any discrepancies, and detailed explanations of each checkpoint pass and failure. By combining TestFusion reports with Mercury QuickTest Professional, you can share reports across an entire QA and development team.

Through its integration with Mercury Business Process Testing™, Mercury QuickTest Professional is used to enable automation through a web-based system, allowing non-technical users to easily build tests in a completely script-free environment.

STRONG INTEGRATION WITH WINDOWS-BASED APPLICATION

Mercury Functional Testing for Wireless leverages the strong integration between the Windows-based application for connecting to Symbian OS devices, which has been specifically designed to be scripted using Mercury QuickTest Professional.

- Devices may be connected via Bluetooth, Infra Red, Serial, or USB.
- The screen of the Smartphone is streamed to the Windows PC.
- The device display can be captured into a file either manually on demand or automatically.
- Device-state information is available about the target device.
- The device file system can be browsed in a Windows Explorer®-like interface.

PART OF MERCURY QUALITY CENTER

Mercury Functional Testing for Wireless is part of Mercury Quality Center™, an integrated set of software, services, and best practices for automating key quality activities, including requirements management, test management, defect management, functional testing, and business-process testing.

FEATURES AND BENEFITS

- Operates standalone, or integrated into Mercury Business Process Testing and Mercury Quality Center
- Enables greater return on investment through industry-leading user-interface and environment support
- Introduces next-generation, “zero-configuration” Keyword Driven testing technology – allowing for fast test creation, easier maintenance, and more powerful data driving capability
- Handles unforeseen application events, facilitating 24x7 testing to meet test project deadlines
- Easily data drives any object definition, method, checkpoint, and output value via the Integrated Data Table
- Provides a complete IDE environment for QA engineers
- Rapidly isolates and diagnoses defects with TestFusion reports

MERCURY™

Mercury is the global leader in business technology optimization (BTO). We are committed to helping customers optimize the business outcome of IT.
WWW.MERCURY.COM