SOFTWARE TESTING

End-to-End Testing Services

QA Solutions End-to-End Testing	• Testing consulting • Product quality assessment • Full product verification support • Test solution and strategy • Test plan and test case development • Test lab/test environment setup • Defect management
Test Planning & Execution	• Unit Test • Integration Test • Functional Test • Regression Test • Traffic Test • Performance and Robustness Test • Installation, Upgrade and Migrate Test • Configuration Test • Usability and Accessibility Test • Security Test • Compatibility Test • Localization Test • Platform Test • Integrated System Test
Test Automation	• Test automation design • Test script development • Test scripts execution and result analysis • Test automation framework customization

Why TMA?

- **18** years of experience in providing software testing services for leading companies worldwide

- **700+** test engineers

- Available test automation frameworks for **Web, Mobile, Telecom/Networks**

- **Independent** test center

- Experience in **large & complex projects**

■ Areas of Expertise

Telecom & Networks	• Soft Switch, Carrier VoIP • PBX and IP Telephony Systems • Unified Communications • Unified Messaging, Contact Center • Billing, BSS/OSS, Network Management • SIP, IMS, IPv6, WebRTC, 4G LTE
Business Applications	• CRM • E-commerce, Retail and Distribution • Finance & Insurance • Healthcare • Education • Hospitality • Media & Publishing • Logistics & Transportation
Mobile Applications	• iOS, Android, Windows Phone 8, BlackBerry, HTML5
Cloud Applications	• Windows Azure, Google App Engine, Force.com • Amazon Web Services, Amazon EC2, Crackspace

■ Test Tools

Test case tracking & Bug/ Defect tracking

- TCAT, Quality Center, Clarify, Remedy

- Team Track, ClearQuest, Bugzilla

- JIRA, Redmine, Problem Reporting System (PRS)

GUI test

- QTP, WinRunner, Silk Test, QA Run, Robot Test

- Selenium, Sikuli, AutoIT

Instrument control

- MatLab, Labview

Automated testing tools

- LoadRunner, Apache Workbench, Test Director

- Mimic, Nessus

Mobile testing

- Calabash, LogCat, Mobile Log, Device Log Viewer

- SOAPUI, REST Client, SBSetting, Pylot, Grinder

Performance and Traffic test tools

- IXIA, SmartBits, Ameritec, Hammer

- Hurricane, NES, Fortissimo

CLI test

- TCL/Tk/Expect, Perl, Awk Java, Unix shell, Fanfare