



Service Definition – Automated Functional Testing
with AI Service

Service Definition Automated Functional Testing with AI Service

Fimatix UK Ltd

**G-Cloud 15
Lot 3 Cloud Support**

AI-Assisted Automated Functional Testing Service

Supplier

Fimatix UK Ltd

Service overview

This service helps public-sector organisations assure the functional quality of digital services through AI-assisted automated testing. It supports web, mobile, and desktop applications and is designed to improve test coverage, reduce manual effort, and accelerate feedback within Agile and DevSecOps delivery models.

The service combines modern automation frameworks with AI-assisted test generation and maintenance, enabling reliable, repeatable functional testing while retaining human oversight and delivery accountability.

What the service includes

The service can include the following activities, tailored to buyer needs:

- Functional testing strategy and automation planning
- AI-assisted creation and maintenance of automated functional tests
- Design of reusable prompt templates to support consistent test generation
- Automated testing of user journeys across web, mobile, and desktop applications
- Use of stable, accessible locators to improve test resilience
- Integration of automated functional tests into CI/CD pipelines
- Test execution across supported browsers, devices, and configurations
- Analysis and reporting of functional test results
- Defect identification and support for remediation

This is a professional testing and assurance service delivered by experienced specialists.

Typical use cases

Buyers typically use this service when:

- Increasing automated test coverage within Agile delivery programmes
- Reducing reliance on manual regression testing
- Improving confidence in frequent or high-risk releases
- Integrating functional testing into cloud-based CI/CD pipelines
- Modernising legacy functional testing approaches using AI-assisted tooling

Service delivery approach

Delivery begins with understanding the application architecture, delivery model, and functional risk profile. Suitable functional scenarios are identified and prioritised based on user impact and business criticality.

AI-assisted tooling is used to support the generation and maintenance of automated tests from structured prompts. These prompts define scope, expected behaviour, constraints, and validation criteria, improving consistency and reducing fragility.

Automated tests are integrated into delivery pipelines to provide fast, repeatable feedback. AI may be used to assist analysis and maintenance, but test design decisions and assurance remain under human control.

Service outputs and outcomes

Typical outputs may include:

- Automated functional test suites
- Reusable prompt templates for test generation
- CI/CD-integrated test execution and reporting
- Functional defect reports and remediation guidance

Expected outcomes include:

- Faster feedback on functional defects
- Reduced manual testing effort
- Improved test reliability and maintainability
- Increased confidence in release readiness

Data protection and information assurance

Fimatix operates information security and quality management processes aligned with ISO/IEC 27001 and ISO 9001. Any access to systems or data required for testing is agreed in advance and limited to what is necessary.

Personal data is not required for functional testing unless explicitly agreed and is handled in accordance with UK GDPR and data protection legislation.

Onboarding and offboarding

At service start, scope, environments, access requirements, and reporting arrangements are agreed. A named delivery lead coordinates activities with buyer teams.

At service end, all agreed test artefacts, scripts, and reports are provided to the buyer, and access to environments is removed.

Service levels

This is a professional testing service and does not include technical uptime or availability SLAs. Performance is managed through agreed objectives, milestones, and regular progress reviews.

Pricing and commercial model

The service is typically delivered on a time-and-materials basis using SFIA-aligned day rates. Fixed-price testing engagements for defined scopes may be agreed where appropriate.

Invoicing is monthly in arrears.

Service constraints

- This service provides functional testing and assurance only and does not include live service operation
- Automated testing does not identify all functional or usability issues
- Effectiveness depends on the stability and availability of test environments
- Final decisions on release and remediation remain with the buyer

Customer responsibilities

Buyers are responsible for:

- Providing access to suitable test environments and documentation
- Ensuring representative test data is available
- Acting on functional testing findings and recommendations

Experience

Fimatix has supported public-sector organisations with automated functional testing across a range of digital services, including delivery within Agile and DevSecOps environments and the use of modern automation frameworks and AI-assisted tooling.

References and case studies are available on request.