

Test & Quality Assurance Engineering - Service Description Document

Summary

Sandhata Technologies Ltd delivers testing and assurance services to ensure systems are reliable and fit for purpose. Our experts structure testing, automation, and governance to improve quality. We provide functional and non-functional, automation, test data, service virtualisation, and environment support. Our services reduce risk and help organisations operate stable platforms.

Services

1. Test Strategy & Quality Architecture

- We assess existing delivery models, system landscapes, and business objectives to define pragmatic testing and quality strategies.
- Our consultants design quality architectures covering test levels, automation approaches, environment strategy, and governance.
- Strategies are designed to scale across programmes while balancing speed, coverage, and risk.

2. Functional Testing Services

- We deliver structured functional testing across applications, integrations, and business processes.
- Test cases are designed to validate requirements, user journeys, and system behaviour across multiple platforms.
- Testing is aligned to release cycles to provide clear assurance of functional readiness.

3. Non-Functional Testing

- We deliver non-functional testing covering performance, scalability, resilience, security, and accessibility.
- Test scenarios are designed to reflect realistic usage patterns and operational conditions.
- Results provide actionable insight into system limits, risks, and improvement opportunities.

4. Test Automation Services

- We design and implement test automation frameworks to support regression, integration, and end-to-end testing.
- Automation is applied across UI, API, and service layers using appropriate tools and patterns.
- Automated pipelines support repeatable, reliable testing integrated into delivery workflows.

5. Test Data Management & Service Virtualisation

- We provide test data management services to ensure availability of compliant, representative test data.
- Service virtualisation is used to simulate unavailable or costly dependencies, enabling earlier and more reliable testing.
- These capabilities reduce environmental constraints and improve test coverage and efficiency.

6. Test Environment Management & Reporting

- We support the design and management of test environments aligned to delivery and release needs.
- Monitoring and reporting provide visibility into test execution, coverage, defects, and quality trends.
- Dashboards support informed decision-making and release confidence.

7. Consultation and Training

- We provide advisory services to define quality improvement roadmaps and operating models.
- Training and enablement programmes upskill teams in testing best practices, automation, and quality governance.
- Knowledge transfer ensures clients can sustainably own and evolve their quality assurance capability.

At Sandhata Technologies Ltd, we are committed to helping organisations improve software quality through disciplined testing, automation, and governance. Our approach reduces delivery risk, improves confidence, and supports faster, more reliable change. Contact us to learn how we can help you build and maintain high-quality technology platforms.