



Test Tools

UL Self Test Platform

Who is it for?

UL Self Test Platform is the perfect online tool for any Acquirer, Acquiring Processor, or Payment Scheme that wants to make the process of testing and **certification** of payment terminals automated, user-friendly, scalable, and web-based for all their customers.

Why do you need it?

All payment schemes mandate proper testing before allowing payment devices to be connected to their network infrastructure. The ultimate goal of these tests is to ensure interoperability and to have an EMV-compliant, brand-certified payment terminal that can perform trouble-free transactions within your payment infrastructure.

UL Self Test Platform is a fully integrated and automated web-based solution to facilitate process management and testing of payment terminals according to the payment schemes' brand test requirements. By providing your customers access to UL Self Test Platform, you enable them to debug, test, and certify their systems themselves while you keep the overall overview and control of their testing and certification projects.

In combination with UL Brand Test Tool, the UL Self Test Platform provides a complete solution for testing Class A and Class B payment terminals as well as ATMs.

What is inside?

UL Self Test Platform is set up of several building blocks:

Certification Management Framework

- Certification Project Management
- Test Case & Test Plan Management
- Management Reporting

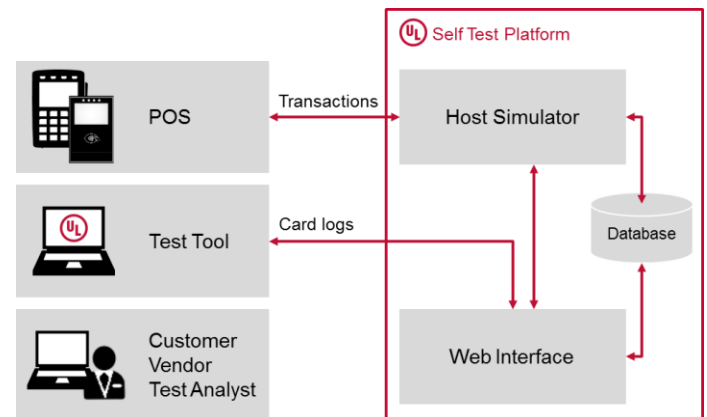
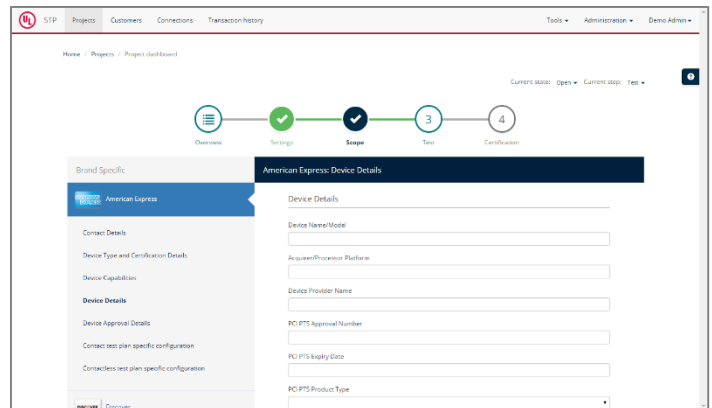
Brand Validation Platform

- Payment Brand Terminal Test Plans
- Network Interface Validation Test Plans
- Sandbox functionality for special projects
- Clearing & Settlement support
- Consolidated ICS form for all brands
- Integration with UL Brand Test Tool

Real-time Network & Host Simulation

Web Portal

- Detailed transaction viewer
- EMV Knowledge Portal and Help Center
- User account management
- System health dashboard



Key benefits

- Comprehensive overview of your certification process
- Your customers perform their own testing and debugging
- Always up-to-date with the latest compliance framework
- Enables acquirer self-certification
- Integrated with payment brand test processes (M-TIP, ADVT, and others)
- Complete payment terminal test solution when combined with UL Brand Test Tool
- Compliant with TITF guidelines and regulations
- Extendable with custom test and certification processes
- Scalable to large user groups

UL Self Test Platform

Specifications

Certification Management Framework

Certification Project Management

- Certification project repository
- Visual certification process workflow
- Role-based user access model

Test Case & Test Plan Management

- Centralized storage of the test plans
- Dynamic generation of applicable test cases per customer project
- Automated validation of pass criteria
- Sandbox mode for regression testing
- Test plan and test case editors

Management Reporting

- KPI dashboard
- Customizable project reports and overviews

Real-time Network & Host Simulation

- Automated network response messaging
- Automated message exchange, validation and storage per test executed
- Authorization simulator supports tokenization and cloud-based payments
- All major payment network interfaces supported
- Customizable to support other protocols
- Clearing & settlement support

Web Portal

Detailed transaction viewer

- Analysis and validation of transaction messages up to low level details
- Transaction message interpretation and explanation

EMV Knowledge Portal and Help Center

- Easy access to EMV expertise and payment brand specifications
- Context-specific help engine

Customization of platform and GUI

- Flexible user account management
- System health dashboard and notifications
- Look and feel according to your branding guidelines
- Implementation of your process workflow
- Integrate your own test specifications and plans

Brand Validation Platform

Test automation engine

- Fully automated pass criteria
- Real time error messaging and explanation
- Customizable and extendable

Latest payment brand test plans

- MasterCard M-TIP and contactless *PayPass* M-TIP
- Visa contact ADVT, contactless ADVT qVSDC, CDET, and US Common Debit AID
- American Express ICC Payment specification (AEIPS) for contact and Expresspay for contactless
- UnionPay IC Card Test Guide for Acquirers
- JCB Terminal Check for Implementation (TCI)
- Diners Club International Acquirer E2E
- Discover Network Acquirer E2E
- Debit networks such as Interac, DNA, Pulse

Consolidated ICS form for all payment brands

- One form to define the terminal under test for all applicable payment brands
- Integration with brand platforms / APIs

Formal Validation

- Automatic validation of pass criteria
- Unattended online certification test execution
- Repository of test results and validation history
- Integrated with project management certification cycle

Pre-validation and testing support

- Customer can use platform as a sandbox before formal validation
- Customer can create and update customized test plans for special sandbox projects
- Test case descriptions and guidance in a standard web-browser
- Test case and errors explained in clear language
- Speeds up development and assists in customer internal test phase

Integration with other systems

- Customer can upload card/terminal logs and host logs for validation
- Seamlessly integrated with UL Brand Test Tool's workflow
- Customer can upload Clearing & Settlement transaction log for validation

Deployment, Management, and Technical Support

UL offers multiple hosting options (in-house, in cloud, or UL PCI-compliant data center) and various deployment options (load-balancing, redundancy, high availability, high performance). Based on SLAs, UL provides the option to deploy UL Self Test Platform as a Managed Service.

To ensure that you can effectively use the platform and gain the maximum benefits, UL offers a Service Contract that gives you access to our Technical Support services. Our experienced technical team is available to provide support, advice and guidance.

UL Test Tools are developed by UL's Transaction Security division. For your sales enquiries, please contact us at info@ul-ts.com, visit www.ul-ts.com, or contact one of our resellers.