



# Test Tools

## UL Brand Test Tool

### Who is it for?

UL Brand Test Tool is the most complete test tool for Acquirers, Acquirer Processors, Merchants and Terminal Vendors that want to validate payment devices before connecting to the major payment networks.

### 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, payment association-certified terminal that can perform trouble-free transactions within your payment infrastructure.

Whether you are involved in acquiring EMV transactions, developing POS/ATM software or integrating retail payment environments, brand testing is essential and payment associations have made these tests mandatory.

UL Brand Test Tool assists you in easily and successfully performing of the brand testing processes required.

### What is inside?

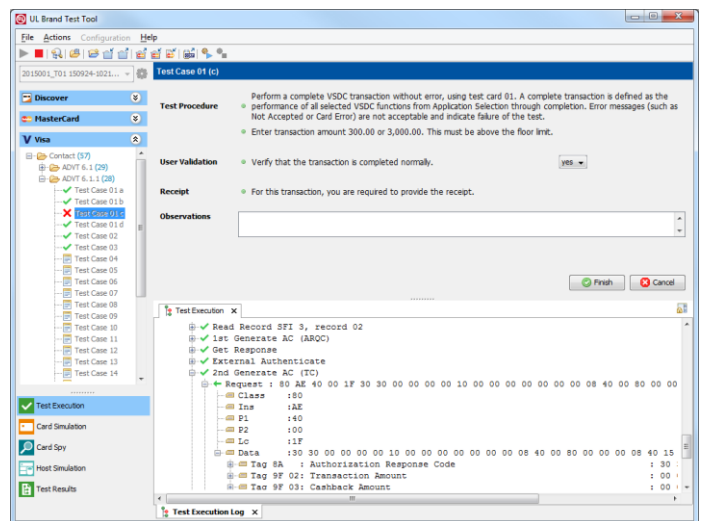
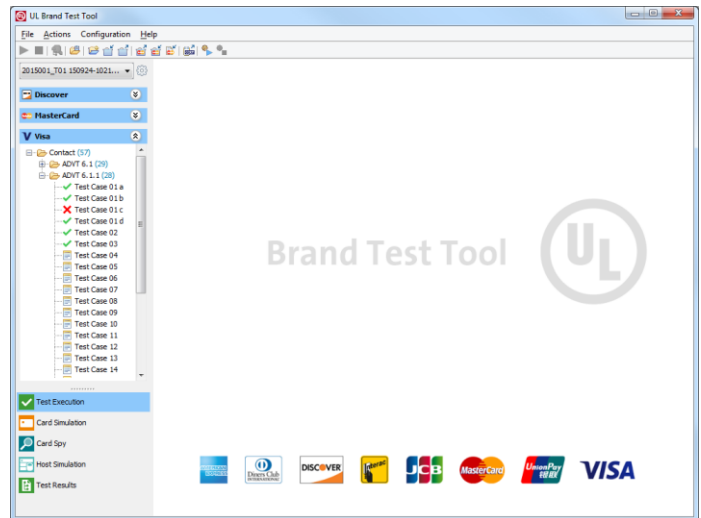
UL Brand Test Tool has all mandatory tests implemented:

- Point of Sale (POS) terminals
- Mobile POS (MPOS) devices
- Automated Teller Machines (ATM)
- Vending machines and other payment devices

The tool can be used to support you in the test and certification processes of the major payment associations. It has been qualified and/or confirmed by:

- Visa
- MasterCard
- American Express
- Discover / Diners Club
- UnionPay (international and domestic)
- JCB
- Debit networks: Interac, DNA, Pulse

UL Brand Test Tool uses card simulation instead of physical cards to perform the brand test cases. For ATMs equipped with motorized readers, the **ATM Certification Module** (qualified by Visa, MasterCard, Discover, AmEx, Diners, and UnionPay) is available. With the optional **Host Simulator** you have even more flexibility in your testing. It allows you to set the host configuration parameters at your discretion.



### Key benefits

- One brand certification tool for all major payment brands
- Always up-to-date with the latest specifications
- Card simulation without physical cards for contact, contactless, and magstripe
- Allows transaction performance testing
- On-screen user guidance when performing tests
- Integrated with M-TIP and ADVT test processes
- Includes UL Card Simulator and UL Card Spy

# Brand Test Tool

## Specifications

### Test automation for payment brands

Includes test cases for:

- MasterCard M-TIP, and contactless *PayPass* M-TIP
- Visa ADVT, ADVT-qVSDC, and CDET
- 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
- Interac Terminal FTT
- DNA Terminal Certification POS Pin Debit E2E
- PULSE POS Pin Debit End-to-End
- PULSE ATM End-to-End

The latest specification versions are always supported.

### Optional modules

- UL Brand Test Tool's **Host Simulator Module** supports protocols such as VisaNet, MasterCard BankNet, APACS 70, ISO 8583, and AS2805.
- For ATMs equipped with motorized readers, the **ATM Certification Module** is available using ATM Test Cards with a simulated card image and transaction logging capabilities (qualified by MasterCard, Visa, American Express, Discover, Diners Club, and UnionPay).
- The **UL Mobile Payments Module** includes simulation of a mobile wallet and allows to test if your payment infrastructure is ready to accept mobile payments.
- **UL Integrated Test Automation Module** allows to create a fully automated terminal test environment combining the power of the Brand Test Tool with your proprietary test automation environment. The controlling protocol for test automation is fully described in a comprehensive document.

## Technical Support

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

The following services are covered

- New releases
- Helpdesk support
- Bug fixes
- Instant hardware replacement

You can access these services through the service portal at [www.ul-ts.com](http://www.ul-ts.com).

### Special features

- Clear user guidance support during all steps in the test process.
- UL Brand Test Tool allows automatically populating the MasterCard M-TIP Test Report and Visa CCRT XML report file.

### Simulated cards

Simulation of cards includes:

- MasterCard Card Images for contact and contactless M-TIP (Subset 1, Field Interoperability Subset, Subset Maestro UK, Subset 6 MasterCard, Subset 8 *PayPass* and Subset M-TIP)
- MasterCard Card Images for MasterCard Interoperability subset (confidence) cards
- MasterCard Card Images for contact and contactless NIV (Subset 3, Subset 5 PIN Management, Subset 6 *PayPass* and Subset 7 *PayPass*)
- Visa contact ADVT Card Images and contactless CDET and ADVT-qVSDC Card Images
- American Express contact AEIPS and contactless Expresspay Card Images
- UnionPay Card Images
- JCB (TCI) Card Images
- Diners Club Card Images
- Discover Card Images
- Interac, DNA, and Pulse Card Images
- Magnetic Stripe images for brand testing

## Hardware

- Contact testing: **UL SmartLink Box**
- Contactless testing: **UL SmartWave Box**
- MagStripe testing: **UL SmartStripe (optional)**

