

# FASTest™

## Conduct comprehensive QA and regression tests that run with point-and-click ease

Your dynamic processing environment requires constant testing. Certifying with switches, connecting to credit or debit card processors; adding ATMs or POS terminals; or enhancing host software—all demand that you test quickly and completely. But testing is often time-consuming, expensive and frustrating. Lab time must be scheduled and test equipment is limited. Expand your options and improve your efficiency by testing from your PC using FASTest's automated tests, easily customized to meet your environment's specific needs.

FASTest offers fast, accurate testing of issuer and acquirer processing for ISO 8583 formats, and for testing transactions, card types, and terminals for an ATM or POS network. Use off-the-shelf tests or import your own transactions (from your production system, or from unit testing of a particular terminal). Easily customize test scenarios to address hundreds of merchant categories, or to verify the contents of a single message bit. Verify tests by replaying them, then comparing results from previous tests. Run pre-scheduled tests automatically—24/7. Use FASTest's result logs to document your testing. Upload your test transactions and test results into HP Quality Center.\*

### What our Customers are saying ...

"Instead of conducting all of our testing directly with member organizations, we use FASTest to simulate and test these interfaces which has significantly reduced our testing time. The QA team uses Paragon software to execute their test plans and the developers are starting to use the products for their technical tests."

**Verónica González** - QA Chief, Prisma Medios de Pago, S.A.

### With FASTest Your Organization Can:

Enable intelligent testing

Accelerate network certification

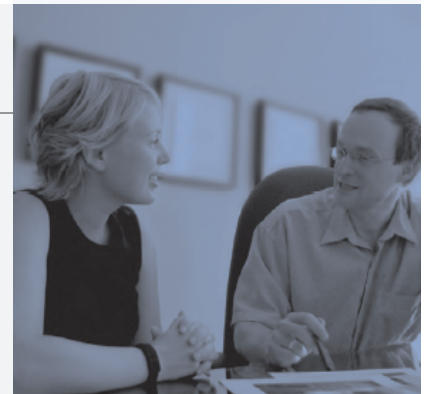
Expand tests beyond your lab's limits

Reduce test time and time to market

Provide reliable, repeatable test results

Supply off-the-shelf scenarios designed for your test needs

Simplify and speed up test customization



## Conduct More Intelligent Testing

Don't limit yourself to static, generic test scripts—completely control your test scenarios. Test all message types: requests, replies, reversals, logons and logoffs, handshakes and key changes. Test processing during business date cutovers. Override or validate field-level data. Conduct message validation that not only verifies that required values appear in messages, but also that prohibited values do not. Perform end-to-end testing of “not-on-us” transactions. Test your Remote Key Load (RKL)\*. Dynamically manage encryption keys and encrypt PIN data—including full support of Triple DES and EMV transactions.

## Expand Beyond Your Test Lab's Limits

Expand your test capabilities beyond the limits of the test cards, simulation stations or terminals you have available in your lab. Test all of these interfaces right from your desk. Use a card reader to import your test cards (or simply type card data) into FASTest's card database. Test using various magnetic stripe and EMV cards including physical cards, virtual cards and contactless cards. Simulate an unlimited variety of ATMs, including Diebold, NCR, Triton, Wincor and dial-up models, and an unlimited variety of network interfaces. Easily share test cases, including test groups, scripts, cards, transactions and messages.

## Reduce Test Time and Time to Market

With a single click, automatically replay all the transactions in your FASTest script—transactions that previously required hours in the test lab. Optionally, create scripted test groups that can be scheduled to run automatically, 24/7. Resolve production problems faster, and ensure that proposed fixes actually fix problems—without causing others.

## Get Results You Can Rely On

After each session, view verifiable results. Messages containing invalid fields or values are highlighted for easy identification. Run automated comparisons of actual results against a set of expected results for fast, verifiable QA testing. Preserve historical test data in FASTest's persistent log for regulatory reporting.

## Build Realistic Tests Faster, Easier

Submit simulated transactions—indistinguishable from live transactions—to the partner application. Create new tests by dragging-and-dropping predefined test components (fields, messages, transactions, or scripts), or import and replay transactions from your production system. Use FASTest's tools and wizards to efficiently build test scripts for reversals, device faults, and exception conditions.

## Prerequisites

Microsoft® Windows®10 or 8.1; or Server 2016, 2014, or 2012; .NET Framework 3.5, 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor; 1 gigabyte (GB) RAM (32-bit) or 2 GB RAM (64-bit); appropriate communication with the partner application; English language operating system.

*If you would like the ability to create derivative formats, contact Paragon for FASTest Professional Edition.*

*\*EMV, RKL, Quality Center plug-in and automated test scheduling are optional add-on features.*

## FASTest:

Comes in more than 100 “flavors”

- XML or IFX interfaces
- Diebold, NCR, Triton & Wincor ATMs
- ISO 8583 messages tailored for specific networks, processors, & POS devices
- Proprietary POS formats (SPDH, V4, Moneris etc.)
- MAC MASM & Format 8
- And other custom formats

Supports easy editing and execution of tests

Communicates directly with your host

Simulates processing as an issuer or an acquirer

Tests all transactions and error conditions

Supports magnetic stripe and EMV chip cards\*

Supports unlimited terminal types

Supports Triple DES encryption

Imports “live” transactions for replay

Enables end-to-end testing of not-on-us transactions

Enables scheduled tests to run automatically, day or night\*

Tracks test results for each session, as well as historical test data

Performs automated comparison of test results

Supports uploading test transactions and test results into HP Quality Center\*



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