

# ATM Test and Configuration Solutions

Essential tools for developing, testing and releasing changes to your ATM estate.



# ATM Test Solutions

For: banks, independent service operators (ISOs), ATM vendors and Switch vendors

## Why test your ATMs:

The ATM still is the main point of interaction between a bank and its customers. Not only do customers rely on this channel to access their accounts, banks themselves utilise it as an important way to communicate new services and initiatives with their customers.

The ATM channel must provide an uninterrupted service and allow easy, frequent and cost-effective integration of new application features.

It is of key importance to execute broad and thorough testing in as short a period as possible in order to mitigate the risk of an unexpected change or defect negatively impacting the availability of the ATM service and tarnishing your brand image.

FIS OPen Test Solutions' (formerly Clear2PAy) products help you achieve this. Our ATM test solutions are the preferred choice of banks and processors around the world, providing them a proven return on investment.

## ATM Test Solutions

FIS offers you a complete portfolio of feature-rich products that support comprehensive ATM testing to ensure customer satisfaction.

With offerings supporting legacy protocols such as NDC or 912 all the way through to the latest multi-vendor deposit

automation ATM running an in-house software application, we help you save time and money. In addition, our ATM test solutions can be easily integrated with other products from the product catalogue such as certified smart card simulators and host simulators.

### ATM TestLab — XFS Hardware Simulation and ATM Testing

ATM TestLab simulates ATM hardware allowing you to run the full ATM software stack on your PC. By running the same software as real ATMs, you can be confident that your testing environment is an accurate representation of your production system.

ATM TestLab simulates all ATM hardware peripherals and their interface to the ATM application via the CEN/XFS interface layer. ATM TestLab can be connected to a host system just like a real ATM.

ATM TestLab supports the latest ATM devices such as Cash Recyclers and Intelligent Deposit modules. ATM TestLab is well suited to testing mandated ATM features like 3DES, EMV and Voice Guidance, and is kept up to date through our partnerships with major industry players.

### ATM Simulator — States and Screens Simulation and Testing

ATM Simulator simulates a 'states and screens' ATM application on your PC, allowing you to connect it to a host system just like a real ATM in order to receive a configuration download. You can then test the transaction flows and screen content in the download or test the host system by performing transactions, all of which can then be automated.

### Benefits:

#### Save time

reduce test times from weeks to days, from days to hours

#### Ensure minimal

downtime and the consequent negative impact on brand reputation

Guarantee the highest quality customer experience

Faster time-to-market of new services

#### Support the widest range of ATMs:

most complete implementation of ATM standards

#### User-friendly:

interface designed to be used by business users

#### Improve cost-efficiency

remove the need for expensive ATM hardware

Facilitate remote collaboration, outsourcing,...

#### ATM test environment is always available:

simulate your ATMs to avoid resource conflicts and complex project scheduling

#### Field-proven technology

most Tier 1 banks that use ATM test solutions use FIS test tools

ATM Simulator supports a number of the most common NDC and 912 emulations such as NCR Advance NDC, Diebold Agilis 91x/NDx and Wincor Nixdorf ProCash NDC/DDC variants as well as Triton and Tidel protocols.

### Enterprise Test Automation

Regression Test Manager (RTM) allows powerful automated test cases to be created using ATM TestLab or ATM Simulator.

The multi user test management system allows you to take control of your ATM test plans and fully automate a broad range of test cases. This makes your test cycles shorter and allows them to be executed more often, ultimately reducing cost and risk.

## ATM Developer Solution

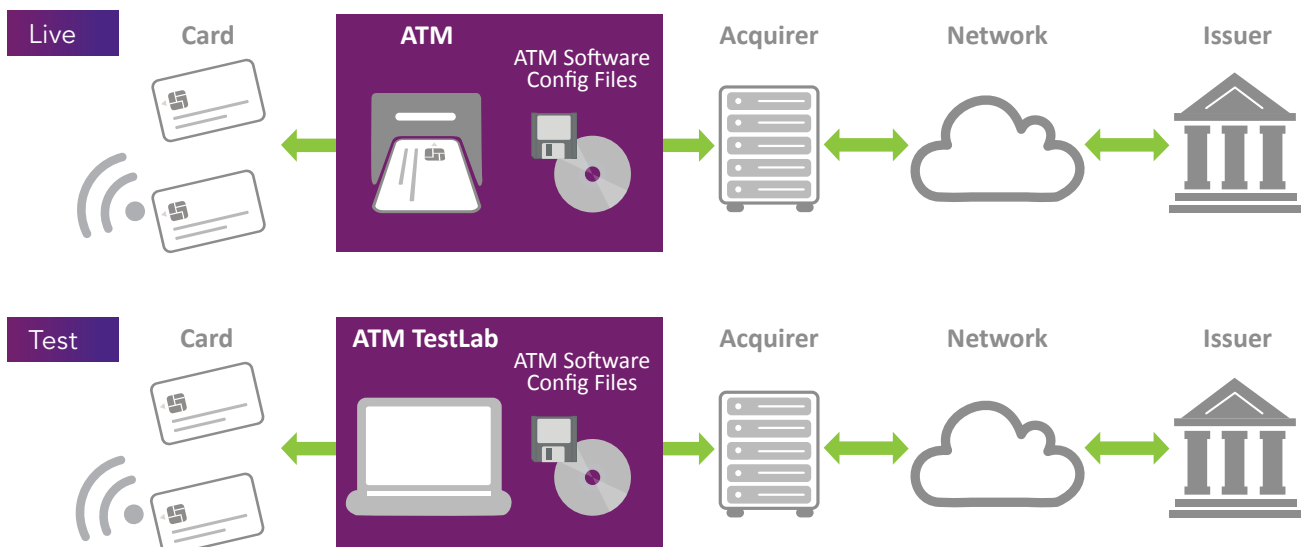
Adding and changing content in the ATM network — from seasonal messages on ATM screens to new transaction functionality — can dramatically enhance a customer’s ATM experience and the network owner’s brand image. The ability to react quickly to customer demands and to take advantage of technological evolution is a key competitive differentiator for banks and processors.

ATM Developer is a solution that provides you easy-to-use editing of both screen content and logical transaction flow for ‘states and screens’ ATM protocols such as NDC or 912, giving ATM deployers the ability to change configuration files quickly in response to business needs.

## Products Feature Matrix

Feature	Product				
	ATM TestLab	ATM TestLab Enterprise	ATM Simulator	ATM Developer	ATM Developer Enterprise
Accurately simulate different ATM models	X	X	X		X
Simulate XFS ATM hardware devices	X	X			
Run real ATM software stack	X	X			
Connect to host system	X	X	X		X
Simulate ‘legacy’ protocols (NDC, 912 and emulations)			X		X
Edit ‘states and screens’ content				X	X
Download / Configuration reports			X	X	X
Execute automated test scripts	X	X	X		X
Advanced multi-user test case management		X			X
Advanced test automation and analysis (using RTM)		X			X
Test case reports		X			X
Web browser testing		X			X
Advanced deposit device support	X	X	X	X	X
Voice guidance / TTS support	X	X	X	X	X
EMV / Smart card support	X	X	X	X	X

### Environment



FIS Open Test Solutions (formerly Clear2Pay) is an expert provider of test solutions and test services for all electronic payment transactions.

We help our customers save time and efficiently launch payment innovations that meet the highest quality standards. From a leadership position, we aim to establish a true partner relation to build engagement and generate insights that we use to develop the solution that fits your business perfectly.

FIS is the world's largest global provider dedicated to banking and payments technologies. FIS serves more than 14,000 institutions in over 110 countries.



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