



SIMPLICITY™ Network

Abbrevia's SIMplicity™ Network is a comprehensive Test Automation Platform that simulates any one or more of various elements of payments' environment such as Cards, Terminals, Acquirers, Networks (both ICS and local) and Issuers.

SIMplicity™ Network provides a user-friendly interface that records and replays hundreds of test cases with ease and at will. It produces automatic detailed technical and management reports for auto-comparison of the current and previous test results during regression testing.

Gone are the days of referring to ISO manuals, ICS interface specifications, EMV documents and cryptographic reference material. SIMplicity™ Network encapsulates thousands of pages of technical knowledge which is put to intelligent use in preparing comparison reports at message request/response levels, field level, byte and even bit levels to pinpoint problems and mismatches between actual and expected test results.

SIMplicity™ Network reduces months of tedious manual testing effort to matter of minutes. It is time to automate.



Benefits of Test Automation with SIMplicity™ Network

Deployment of SIMplicity™ Network increases overall host system efficiency and ensures robust quality. Owing to the quick implementation of SIMplicity™ Network and its ease of use along with its flexible features, significant time is saved during testing phases of even the most intricate and complex systems.

It is therefore no surprise that implementation of SIMplicity™ Network delivers many a benefit to the banks, both large and small, which is predominantly due to a sharp drop in the amount of time required to run tests. Furthermore, automation of testing with SIMplicity™ Network contributes to a higher quality of work thereby decreasing the necessity for fixing software glitches after release and as such reduces costs.

Some of the most important benefits of SIMplicity™ Network are:

- Testing is more comprehensive
- It is always accurate
- Automatically repeatable (record and replay of test cases)
- Removes the need for physical devices and test cards
- Suitable for Unit Testing, Regression Testing, SIT and UAT
- Caters for volume and stress testing at desired TPS
- Provides detailed technical and management reports
- Automatic test result comparison for regression testing
- Covers all delivery channels
- Includes all ICS interfaces such as Visa, MasterCard, Amex, etc.
- Allows for testing of card schemes' compliance updates
- Facilitates maintenance of one cohesive test environment for multiple channels
- Reduces time/effort and therefore costs

Technical Features of SIMplicity™ Network

Technical Features of SIMplicity™ Network include the following:

- Transaction generator and EMV Level 2 Kernel
- Built-in cryptographic engine
- Full internal card management system
- Terminal certification and verification
- Card validation
- Caters for ISO message MAC configuration
- Provides for ISO Interface Configuration
- Includes ISO Message level and Bit level Configurator
- Easy-to-use transaction builder for creating test cases without scripts or coding expertise
- Support for contact and contactless EMV transactions
- Support for NFC Mobile transactions
- Multiple terminal profile configurations
- Message switching
- Capability to work in send and receive modes
- Simulation of any one or more of Card, Terminal, Acquirer, Network and Issuer simultaneously
- System regression testing, Volume and stress testing
- Support for all transaction type
- Ability to simulates any host
- Simulate all network endpoints mirroring any production configuration
- Simultaneous processing of transactions at production speed
- Comprehensive audit and diagnostic reports
- Detailed transaction analysis and logging

One Solution; Numerous Deployment Modes

SIMplicity™ Network is capable of simultaneous simulation of any one or more of payments network elements



About Abbrevia

Abbrevia is an innovative provider of leading-edge payments test automation platform for banks and third-party processors with global customer base.

We realise that today's payments strategies focus on flexibility and technology to meet the challenges of the ever-changing business environment by cultivating an innovative, efficient, customer oriented and quality conscious culture.

Our pioneering test automation platform, SIMplicity™, enables our customers to automate their complete testing processes yielding immediate productivity gains, improved quality, reduced costs and faster time to market for new services.

We help our customers to help themselves.

Our Products

- **SIMplicity™ ATM** - Simulates any ATM type for automated and unattended testing of any ATM Switch with record and replay facility
- **SIMplicity™ XFS** - CEN/XFS compliant product that simulates any ATM device for testing of ATM applications such as Apra, Agilis, Procash, Vista, TellMe, etc.
- **SIMplicity™ Network** - Simulates any POS device, any host and all ICS interfaces such as Visa, MasterCard, Amex, CUP, JCB, etc.
- **SIMstress** - for stress and volume testing at desired TPS for transaction peak time management, capacity planning and identification of problems and bottlenecks

Our Services

We have proven experience in providing EMV project management, technical implementation, test and certification services covering all aspects of the EMV processing value chain including:

- ATM/POS terminal interfaces, acquiring / issuing host interfaces, national and regional network interfaces
- Project management and execution of ICS EMV project planning and processes for banks and national networks
- Technical support for configuration, testing, analysis and certification of ATM and POS acquiring
- Network interface certifications including Visa SMS, Visa Basel, MasterCard MDS, MasterCard CIS and MasterCard Network Interface Validation NIV

Some of our Customers



Head Office Dubai, UAE: +971 4 442 8022
Moscow, Russia: +7 495 995 0939
Riyadh, Saudi Arabia: +966 11 406 6927

For more information please visit our website:
www.abbrevia.com
Email : info@abbrevia.com