



**Innovative Provider of
Leading-edge Payments
Systems Test Solutions**

Abbrevia is an innovative provider of leading-edge payments test solutions with a global customer base spanning four continents. We provide our customers access to best-of-breed payments test products through exclusive alliances with international market leaders.

At Abbrevia, we realise that today's payments strategies focus on flexibility, teamwork and technology to meet the challenges of the ever-changing business environment. We appreciate that payments providers' success hinges on their ability to cultivate an innovative, efficient, responsive, customer oriented and quality conscious culture.

Abbrevia's products and services covers testing and quality assurance of the full electronic payments value chain including EMV Card Management System (credit, debit and virtual cards issuing, merchant management, clearing and settlement), payments switch (payment channels, device drivers, national and international card scheme network interfaces for acquirer and issuer processing).



Abbrevia provides industrial grade test and certification simulators based on the SIMplicity ATM simulator, PIVOT Card Personalisation Validation Tool and the ASTREX POS/Network simulator (Visa, MasterCard and AMEX) covering both acquirer and issuer processing.

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

- ICC chip card specifications, personalisation and quality assurance for both VSDC and MChip applications
- ATM and POS terminal application integration, testing and certification including both ADVT and TIP services
- Network interface certifications including Visa SMS, Visa Basel, MasterCard MDS, MasterCard CIS and MasterCard Network Interface Validation (NIV)

At Abbrevia we pride ourselves in providing end to end consultancy by partnering with our customers, understanding their issues and problems, defining business strategies and technology road maps followed by development of required RFPs, evaluation of responses, recommendation and implementation of appropriate solutions to address customer needs.

TEST TOOLS

SIMPLICITY™

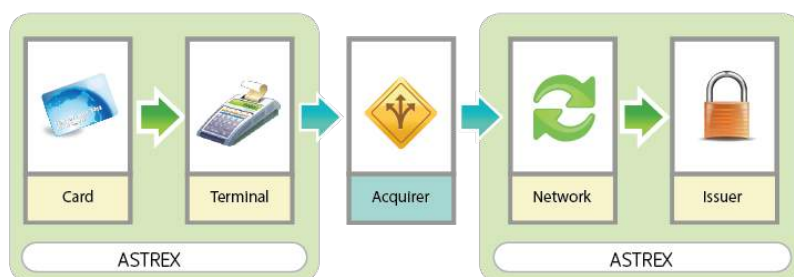
SIMplicity™ is a next generation device based ATM simulator which simplifies the development and testing of your ATM transaction flows and content. Based on latest technologies, innovative features, unparalleled ease of use and an intuitive design to ensure your immediate productivity gains and a return on your investment.

SIMplicity™ is breathtakingly simple in its design and usability. It can be deployed easily by business oriented end-users. SIMplicity™ is highly modular and includes the following plug-in modules which can easily be deployed to meet your evolving business needs:



ASTREX

ASTREX is a toolkit designed from the ground up as a comprehensive environment for helping in the design and development of payment networks and payment applications, including EMV, magstripe, stored value and others.



ASTREX supports a wide range of protocol handlers, including Visa BASE I, Mastercard CIS, Mastercard Host-EM, APACS 30/40, BASE24, the first which operates as a Level-2 EMV interface, permits ASCert to work with physical cards, and to generate transaction data from them. The second, generates fully virtual transactions, extracting transaction content from the backend database's transaction, issuer, PAN, terminal, merchant and other tables.

SERVICES

We listen to our customers to understand their payments processing and testing requirements. Our aim is to ensure that we deliver services and solutions that are fit-for-purpose to help support your business in the long term. Abbrevia provides a wide range of services for electronic payments domain expertise in a variety of engagement models including consultancy, outsourcing and managed services for the following services:

- Define specifications for POS terminal interfaces, Acquiring / Issuing Host interfaces, National and Regional network interfaces.
- Define certification guidelines, processes and certification scripts for POS terminal, Acquiring / Issuing Host, National and Regional network interfaces.
- Technical support for configuration, testing, analysis and certification of ATM and POS acquirer or issuer transaction flows.
- Independent validation and testing of proprietary XFS payments client applications
- Building test plans and test data for conducting internal or external test and certifications.
- Project management services for testing and certifications including execution of Visa and MasterCard EMV project planning and processes.
- Turnkey test and certification services including Project Management, Technical Management and technical resources to execute and complete the test and certification cycles.
- EMV test and certification training using a hands-on approach with our ATM and Network simulator and Visa or MasterCard certification test cards.