






Abbrevia FZ-LLC



SAMA Certification Centre

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SAMA Certification Centre

- **Abbrevia engagement on BOT basis**
 - Resources, tools, service & fees definitions, processes & methodology
- **End-to-End Certification**
 - Member Bank Interfaces
 - POS Terminals
 - Cards (card platforms, bureaus and issuers)
- **Major challenges**
 - POS specifications & dual-message flows
 - Dynamic environment (Total change to all components i.e. Switch, Interfaces, TMS, Network, CPS)



Member Bank Certification Process

Stage 1	Stage 2	Stage 3	Stage 4
Pre-certification Pre-requisites: • Simulator & scripts • SPAN Test cards • ADVT & ETEC cards • HSM upgrade • SCC fees for cards & pre-cert log review Scope: • Limited Network tests • SPAN 3.8 ATM & POS • SPAN 5.0 ATM & POS • GCC & AMEX Interop • Visa & MC "comfort tests" Deliverables: • Pre-cert logs	Network Tests Pre-requisites: • L1/L2 Type Approvals • PCI/PED Approval • Pre-cert log Approval • Comms. Connectivity • PIN & MAC KEK • RSA Public Keys Exch. • SCC cert. fees Scope: • Logon / Logoff (PKI) • Key Exch (PIN/ MAC) • Echo Tests Deliverables: • Successful Network Mgmt messages	Online Cert Pre-requisites: • Network Testing • Certified POS Trml. • TMS Access • SPAN CA Public Key • SPAN IPK Certificate • Certified EMV Card Scope: • SPAN 3.8 ATM & POS • SPAN 5.0 ATM & POS • GCC & AMEX Interop. • SPAN ATM & POS • Cutoff/Reconciliation • Visa & MC "comfort tests" Deliverables: • End-to-end testing • SPAN Certification	ICS Cert Pre-requisites: • ADVT & TIP (ATM & POS –per dev. kernel) • Offline cert against ICS sims in SAMA • PIN KEK setup • ICS CA Public Keys • Certified dual-app card (for EMV Issuers) • Terminal App. For SMS back-office msgs • SCC gateway fees Scope: • To be agreed directly between MB & ICS Deliverables: • ICS Certification




Card Certification

Card Vendor	Issuer Personalisation Validation
<p>Pre-requisites:</p> <ul style="list-style-type: none"> •Card Scheme Type Approval •SPAN EMV Appl. Req. Compliance Declaration •Minimum ICC length 1152 bits •Card Profiles Declaration •CA key & IMK key details •Produce & Test card profiles <p>SCC Scope:</p> <ul style="list-style-type: none"> •Card Data validation •Card internal data consistency •Dynamic Tests •Transaction simulation •Additional tests for optional profiles e.g. transaction log, offline bal. <p>Deliverables:</p> <ul style="list-style-type: none"> •SPAN certification letter 	<p>Pre-requisites:</p> <ul style="list-style-type: none"> •SAMA Certified card platform •SAMA certified card bureau (if external) •Obtain SPAN IPK Test Certificate •Complete Perso Validation form per card profile <p>SCC Scope:</p> <ul style="list-style-type: none"> •Card Data validation •Card internal data consistency •Dynamic Tests •Transaction simulation •Additional tests for optional profiles e.g. transaction log, offline bal. <p>Deliverables:</p> <ul style="list-style-type: none"> •SPAN certification (Update Register)

SCC Operational Efficiency

- Rigorous pre-certification is critical
 - Comprehensive pre-cert scripts
 - Clear certification scripts & pass/fail criteria
 - Worked with AS on enhanced analysis
- Multiple certification environments
 - Parallel certs of POS terminals & MBs
- Feedback online issues into pre-certs




Questions & Answers
