

L2 & L3 Terminal Testing

KaNest®-ICC

galitt
by Sopra Steria



Galitt provides a Card Simulator designed to test and certify any acceptance devices against major brands L2 and L3 accreditations

KaNest®-ICC and its Test Suites are used to debug, evaluate and/or validate the acceptance devices :

- Automated teller machines (ATMs)
- Point of sales terminal (POS)
- Automated Fuel Dispenser (AFD)
- Mobile Acceptance (MPOS, COTS, ToM, ...) based on standards or brand specifications (EMV®, Mastercard Contactless, VCPS, D-PAS, D-PAS Connect, AEIPS, Expresspay, JCB, UPI, ...)

Linked with KaNest®, Galitt's host simulator, KaNest®-ICC allows to verify the integration of end-to-end acceptance processes ("Level 3 tests")



KEY FEATURES

- Simulator of any contact and contactless card or non card form factor
- Off-the-shelf recognized Test Suites
- Automatic mechanism for test selection (ICS)
- Automated diagnosis
- Easy settings
- Flexible and fast analysis of test results
- Spy function
- Automation capabilities & remote control
- Easy to use in End-to-End integration testing (Level 3)
- Synchronization with a host simulator
- Automatic generation of test reports

GALITT ADVANTAGE

KaNest®-ICC is recognized as the state-of-the-art simulator for interoperability testing:

- Galitt Level 2 Terminal Test Suites are qualified by the major Brands and used by Terminal vendors and accredited laboratories for validating and certifying acceptance devices
- Numerous KaNest®-ICC Test Suites have been "confirmed" or "qualified" by payment brands or consortium (American Express, Discover® Global Network, Mastercard, Visa, JCB, nexo, UPI, ...)
- The Tester View allows test automation and time saving. It provides several results views ranging from an overall summary of the test campaign to an in-depth analysis of the transaction flow
- Tests can be performed through a physical probe or through a virtual probe to ease debugging and regression testing; testing execution can be thus fully automated

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LEVEL 2 TEST SUITES *(Qualified or Confirmed)*

- American Express
 - AEIPS & Expresspay V4
- Discover® Global Network
 - D-PAS contactless
 - D-PAS Connect contact
 - D-PAS Connect contactless
 - D-PAS Connect Tap-on-Mobile
- EMVCo
 - EMV® Level 2 contact
 - EMV® Entry Point Level 2
 - Kernel C-2 (Mastercard)
 - Kernel C-3 (Visa)
 - Kernel C-3 for Online ODA (Visa)
 - Kernel C-4 (American Express)
 - Kernel C-6 (DGN)
 - Kernel C-8 (Common Kernel)
- Interac
 - Interac Contact & Interac for US. KaSYS Canada, Galitt's distribution partner, is approved by INTERAC as a terminal testing tool provider
- Mastercard
 - Contactless v3 (incl. Tap On Phone)
- nexo
 - nexo POI
- Visa
 - Visa Contactless (VCPS & VOQOS including ART versions)
 - Visa Tap To Phone (VRTPKS)
 - Visa Transit Kernel (VCTKS)

KaNest®-ICC

KaNest®-ICC allows to simulate the nominal or erroneous behavior of a contact and contactless card to test any acceptance device and verify its compliance

AUTOMATION

Mastercard and Visa Tests Tools are proposed with a dedicated solution to automatized the test campaigns execution. TEI Mastercard and VISA ART-Based products answer to market needs to gain time in tests execution

LEVEL 3 TEST SUITES *(Qualified or Confirmed)*

EMV® L3/Legacy Testing Platform

- American Express
 - AEIPS
 - Expresspay
- Discover® Global Network
 - DN
 - PULSE
 - DCI
- JCB
- Mastercard
 - M-TIP
- UPI
- Visa
 - ADVT
 - CDET

L3 Issuer Host Simulator

- American Express
 - GCAG E2E
- Discover® Global Network
 - DN E2E
 - PULSE E2E
 - DCI E2E
- Mastercard
 - MDS-MAS E2E (only for pre-certification)
- Visa
 - BASE I E2E

OPTIONS

- Spy on the card-terminal dialogue coupled with a probe. Reading and capturing of physical cards coupled with a card reader
- Creation of virtual test card sets by data entry or card capture
- Remote control of the simulator and automation through dedicated application
- Integration with test management software: ALM, Xray, Squash TM
- Integration with Ponant Technologies test robot to automate payment terminal brand certification testing