

ICC Solutions provides a comprehensive range of EMV testing tools designed to help organisations validate, certify and maintain payment terminals, ATMs and payment applications. Used by payment networks, terminal vendors, acquirers, processors, test laboratories and merchants worldwide, the tools support both EMV Level 2 and Level 3 testing for contact and contactless payments.

At the heart of the portfolio is the ICCSimTMat platform, a standalone testing solution that enables customers to perform payment brand testing and certification in a simple, efficient and repeatable manner. The platform includes fully qualified test suites for major payment brands including American Express, Discover, INTERAC, JCB, Mastercard, UnionPay and Visa.

The ICC Solutions test tools guide users through the testing process by providing structured test campaigns based on payment brand requirements. The software manages the testing process from start to finish, helping customers identify issues quickly and demonstrate compliance with payment brand requirements. Many results can be analysed automatically, reducing manual effort and speeding up certification activities.

Designed for Simplicity:

Unlike traditional testing environments that can require multiple hardware components and large decks of physical test cards, ICC Solutions tools are designed to be self-contained. Transaction logs can be captured directly within the software without the need for separate spy applications, restrictive card adaptors or complex hardware configurations. This simplifies setup, reduces costs and enables faster testing cycles.

Supporting the Entire Testing Lifecycle

The ICC Solutions portfolio supports every stage of the payment device lifecycle, including:

- Development testing
- Quality assurance
- Validation
- Formal certification
- Regression testing
- Ongoing maintenance testing

This allows organisations to use the same trusted tools throughout the life of a product, from initial development through to deployment and future software releases.

Level 2

EMV Level 2
INTERAC Flash Reader Certification
JCB Level 2
Visa Contactless Auto – v2.2c
Visa C-3
Visa Reader Application Selection
Visa Tap2Phone
Visa VCTKS (Transit)

Level 3

American Express AFD
American Express Expresspay Transit
Amex L3
China UnionPay
China UnionPay QuickPass
China UnionPay Transit
D-PAS Level 3 Consolidated Suite
DNA
INTERAC
INTERAC TAC (U.S.)
INTERAC Flash Interoperability
JCB Level 3
Mastercard L3 Consolidated Test Suite
Visa L3 Consolidated Test Suite
Voyager
WEX

Others

NIV for Mastercard (Subset 3, 5 & 7)

Automation Capabilities:

For customers looking to further increase efficiency, ICC Solutions offers an Auto API add-on that enables integration with automated test environments. The API allows external software or robotic systems to control test execution, retrieve test data and store results automatically. This can significantly reduce testing time, improve consistency and support large-scale regression testing programmes.

Benefits:

By using ICC Solutions EMV test tools, customers can:

- Reduce the time and cost associated with certification.
- Improve testing efficiency and coverage.
- Quickly identify and resolve issues.
- Perform repeatable and reliable testing.
- Simplify compliance with payment brand requirements.
- Support both manual and automated testing strategies.
- Accelerate time-to-market for new products and software releases.

With nearly 30 years of experience in the payments industry, ICC Solutions provides trusted EMV testing solutions that help customers achieve reliable testing and conclusive results.

