

VeriFone EMV XPI Training

Migrating a solution to support EMV chip cards is a long and complicated process. Most processors in Canada are making EMV certification a mandatory requirement for all new application certifications.

Now that both Visa and MasterCard have announced that a liability shift will occur in October 2010, the race for resources is on. The capability to engage and complete an EMV project is dependant on having access to knowledgeable people and the appropriate tools.

VeriFone has released a suite of PINPads (SC5000, Vx810, and MX8xx) that supports a new API called eXtended Programming Interface (XPI). The new XPI interface now supports Visa, MasterCard and Interac EMV chips cards. In addition the VeriFone Vx810 and MX8xx PINPads also include contactless card support.

To assist developers with EMV implementations, B2 Processing Solutions is offering a suite of products and services:

1. EMV Integration Training specific to the VeriFone XPI interface. See Course Outline on the next page.
2. EMV Support utilizing experienced EMV experts to help you resolve development and implementation issues.
3. EMV Test Tools:
 - a. Collis EMV Card Simulator – Simulate EMV chip cards for Visa, MasterCard and Interac.
 - b. Collis EMV Card Spy – Trace and analyze the chip card interaction between a physical EMV card and terminal.
 - c. Mag-stripe test cards with chip Service Codes.
4. EMV Test Cards suitable for operation and training purposes

COURSE OUTLINE

Day 1

1. Introductions
2. EMV Terminology
3. EMV Specifications
4. Card Architecture Overview
5. EMV Certification
6. EMV Transaction Overview
7. EMV Transaction Steps

Day 2

8. XPI PINPad Implementation Overview (Vx810)
9. XPI – Loading Certificate Authority Public Keys
10. XPI – EMV Configuration and Parameters (EST & MVT)
11. XPI – Transaction Execution using XPI API
12. Receipts
13. Transactions Logs
14. Development & Test Tools
15. Integration Checklist
16. Installation of Collis EMV Card Simulator
17. Exercises

Course Material includes:

1. Course Slides
2. XPI Specifications
3. EMV Reference Document
4. Exercises & Answers

For additional information please contact B2 Processing Solutions at 416-730-9827 ext 1.