

We hereby confirm that TT Ltd. (Terminal Technologies) is developer and owner of the following software:

- EMV L2 certified software kernel «emvlib 1.7» (EMVCo approval numbers 2-03935-1-1C-ULVS-0417-4.3.e, 2-03935-1-2C-ULVS-0417-4.3.e, 2-03935-1-3C-ULVS-0417-4.3.e, 2-03935-1-4C-ULVS-0417-4.3.e, 2-03935-1-1OS-ULVS-0417-4.3.e)
- firmware and payment software for POS (card payment) terminals YARUS brand including C2100, P2100, P7100, K2100, M2100 and T2100 hardware models

Therefore we also hereby confirm following:

- all those payment products (POS terminals) are using the same unique EMVCo certified firmware and software platform as mentioned above;
- the utilization of the same firmware and payment software (including EMVCo L2 certified kernel) on above-mentioned payment products (POS terminals) is compliant with and provided in accordance with EMVCo requirements specified in «EMV 4.3 Specifications» document.

An additional explanation and references to applicable EMVCo documents are provided below.

TT, Ltd (Terminal Technologies) General Director



[Signature]

Igor Soukhostavsky

Explanation:

As indicated in the "EMV Terminal Type Approval – Contact Level 2 – Administrative Process" document (http://www.emvco.com/download_agreement.aspx?id=1380), EMV L2 certificate may be extended to a family of EMV L1 certified terminals those use the same software platform.

Excerpts from that document:

"2.3.1 EMV Application Kernel

...

The advantages to identifying the various layers of terminal software include the ability for a vendor to:

...

- The EMV application kernel also provides the ability to extend the Level 2 approval to a family of terminals utilizing an EMVCo Level 1-approved Interface Module (IFM), terminal software platform and EMV application kernel (see Terminal Relationships – one application to many terminals).

..."

"2.3.3 Terminal and EMV Application Kernel Relationships

...

One Application to Many Terminals

In this configuration, a single application may be portable over a number of related platforms. However, the related platforms must all utilize the same operating system or virtual machine configuration Please reference Type Approval Bulletin #11 obtainable from the EMVCo website for additional information concerning the portability of kernels."

The "Type Approval Bulletin #11" (https://www.emvco.com/download_agreement.aspx?id=1378) document clarifies requirements to the EMV L2 certificate extension to a family of terminals, and establishes the vendor's responsibility for determining legitimacy of the certified EMV L2 kernel usage on different terminals

An excerpt from that document:

"As vendors are intimately familiar with their developed components (IFM or Kernel), it is ultimately the vendor's responsibility to make the determination whether a change to their approved IFM or Kernel is major or minor."

