



# EVALUATION SERVICES

## GLOBAL DELIVERY – WORLDWIDE ACCEPTANCE

Evaluations according to international standards are a part of a global trend of measurement and benchmarking. Users demand security products and systems which are evaluated by an accredited laboratory. In many applications, the successful evaluation is a release prerequisite.

### **T-SYSTEMS PERFORMS EVALUATIONS ACCORDING TO THE FOLLOWING FRAMEWORKS AND CRITERIA:**

- Common Criteria (ISO 15408),
- ITSEC,
- Finance sector in Germany (for all payment components as well as networks),
- VISA International (for smart card controllers),
- MasterCard International (for logical audits, CAST Programme),
- Payment Card Industry (PCI, formed by VISA, MasterCard and JCB) and MasterCard's PTS Programme for PIN-accepting devices,
- EMV Security Approval for smart card hardware.

These standards are as international as our business is. Though being located in Germany and Singapore only, the evaluators of T-Systems serve customers around the globe.

### **WORLDWIDE ACCEPTANCE**

1. The Common Criteria Recognition Arrangement (CCRA) eliminated the burden of duplicating evaluations of IT products and protection profiles. There is an increasing number of signatory countries.
2. The programmes initiated by VISA International, MasterCard International, JCB and others define security requirements for payment systems and the components being used. The standards hold for all member banks all over the world.
3. Many countries on the globe have additionally set-up a national schema for payment system and components approval. Those which directly accept evaluation reports from T-Systems include

- APACS in Great Britain
- UK Cards Association in Great Britain
- APCA in Australia
- CETREL in Luxembourg
- Dutch Payment Association, Betaalvereniging Nederland, (DPA) in the Netherlands
- Acquiris in Belgium
- ep2 in Switzerland
- ETSL in New Zealand
- NETS in Singapore
- PAN Nordic Cards Association constituted by Nordea Bank | Swedbank AB (publ) | Danske Bank A/S | Svenska Handelsbanken AB (publ) | Skandinaviska Enskilda Banken AB (publ) | GE Money Bank | Visa Sweden | Europay Sweden | Nets A/S | Bankernes Standardiseringskontor | Federation of Finnish Financial Services

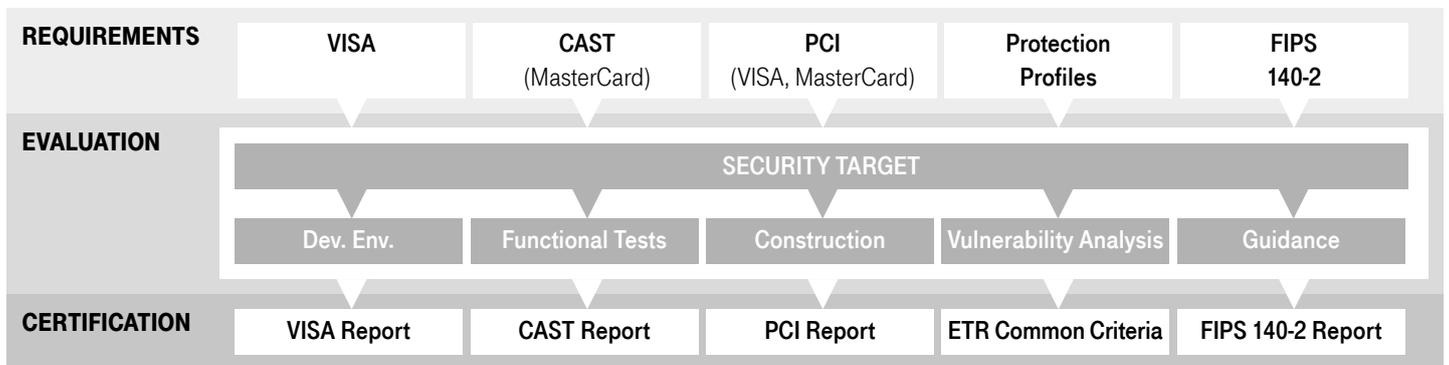
## REQUIREMENTS AND APPROACH

Manufacturers deliver their products to various countries. Their products are used in different applications. Some users make demands on a Common Criteria evaluation which in turn is based on a specific Protection Profile. In other fields of application, requirements of the banking industry are mandatory. These requirements may or may not be supplemented by specific security standards and regulations.

To support customers, T-Systems not only provides training and consulting services in order to greatly prepare manufacturers for the international security business. T-Systems is also accredited for evaluations according to most international standards. Moreover, in order to reduce the overall workload our evaluators consider all relevant requirements and create the security evaluation reports as required for certification by different users or application contexts. This approach is sketched in the figure below.

## EXCELLENCE THROUGH LONG-TERM EXPERIENCE

In about 1988 T-Systems, more precisely its predecessor, started to evaluate products and systems for payment systems. In 1991 we were officially accredited by the banks in Germany (Zentraler Kreditausschuss). At that time, our company was officially accredited by the German government (Federal Office for Information Security, BSI) to perform evaluations according to the European security evaluation criteria ITSEC. T-Systems is also accredited for the Common Criteria first being published in the late nineties. Our lab is well known for its expertise in hardware and software security. Organizations such as VISA International, MasterCard and the Payment Card Industry (PCI) accredited our lab and recommend T-Systems to their customers.



Various requirements, different certification reports - one evaluation process.

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