HOW EUROSMART MEMBERS SHARE THEIR EXPERTISE ON SECURITY WITH OTHER MARKET ACTORS?

Eurosmart members are taking all security issues very seriously and they are working continuously to design and manufacture products to the "state of the art" security level. Appropriate actions and methodologies are developed to anticipate future attacks.

Eurosmart represents companies with up to 25 years of experience in Smart Cards. For all this time, information leakage has been one area of concern for the industry as the security of its Smart Card applications is paramount. Even before the Smart Card industry was established, information leakage attacks such as Tempest emanation monitoring were known and protected against in many fields of electronics and communications.

Eurosmart has created a Security Working Group in 1997 with the mission to support and co-ordinate standardisation initiatives in this matter. This forum works actively on improving and implementing all security evaluation methods such as FIPS, ITSEC and Common Criteria, with clear evaluation scales to demonstrate the products security. It is in contact with European institutions to discuss privacy protection and electronic transaction security requirements for incorporation in European legal frameworks.

Eurosmart recommends evaluating, certifying and maintaining certification of smart card products, in particular using the Common Criteria (ISO 15408 standard) methodology. All Common Criteria Certified Protection Profiles take into account all possible threats on smart cards and security functions to countermeasure potential attacks like site attacks, DFA, DPA, physical attacks, mathematical attacks and many others.

Eurosmart work is publicly available and presented to the main market actors, including survey on security evaluation methods, Protection Profile surveys, list of certified products, etc. Eurosmart presented at Cartes 2004 a benchmark of different security evaluations methodologies.

Numerous smart card products have been certified over the years and security remains a constant challenge. Therefore Eurosmart members are committed to continuous improvement of system security in order to provide consumers with "state of the art" secure products in accordance with operators' security level requirements that best fit their application.

EUROSMART is an international association located in Brussels representing the Voice of the Smart Card Industry for multi-sector applications. The Association is a non-profit organization committed to expanding the world's smart card market, developing smart card standards and continuously improving quality and security applications.

EUROSMART members are: ASK, Aspects, Atmel, Austria Card, Axalto, Datacard, Emosyn, FNMT, Fujitsu, Gemplus, GIE Cartes Bancaires, Giesecke & Devrient, Infineon Technology, Ingenico, Integri, Ixla, KaSYS, Laser, Mastercard UK, Moneyline, MCO, Oberthur Card Systems, ORGA, Philips Semiconductors, Rafsec, Renesas, Sagem, Sagem Monetel, Samsung, Saqqarah Int, Setec OY, Sharp, STMicroelectronics, Thales eTransactions, Wave Systems.

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