ITU-T Workshop
"New Horizons for Security Standardization"

CV

Dr. Marijke De Soete

Session:	**2: Key areas of security standards focus**
Title of Presentation:	**ISO/IEC JTC 1 SC 27 perspective**

Dr. Marijke De Soete is currently working as an independent consultant. She established her own consultancy company Security4Biz in April 2004. She offers consultancy services on risk management and security for Corporate Governance, business development in ICT security and security aspects of systems and applications based on emerging technologies.

Until the end of 2003 she was holding the position of Vice President Emerging Technologies Product Security with MasterCard International since its merger with Europay. The responsibilities of her global department included the security architectures of new payment products in emerging environments. Those products are mainly based on mag-stripe or chip technology where next to the "classical" access channels such as POS and ATM terminals more advanced techniques through e- and m-commerce are covered. The team was also responsible for the development of the PKI infrastructures to support these new products. The department was furthermore in charge of the specification of numerous security requirements for members, member service providers, third party processors and for security aspects of vendor products such as cards and payment devices. In this context the department also executed some evaluation /certification tasks to member banks and vendors. Last but not least it was acting as a centre of competence on cryptography and IT security (e.g., participation in standard and industry bodies, consultancy).

Before she was Director of Payment System Security at Europay from 1995 till 2001. Her team was responsible for the security architectures of payment products based on mag-stripe and chip. They were also in charge of the development and operation of the supporting security services. These include the security modules with the key management centre used for securing transaction processing on the Europay network and two PKI infrastructures, one EMV-based to support the off-line chip card authentications for consumer cards, one X509-based to support various member bank and internal Europay applications.

In 1995-1996 she was also visiting professor at Ghent University (Belgium) teaching a course on Cryptography and IT-Security. She still is a member of the International Organisation for Cryptologic Research.

From 1989 till 1994, Dr. De Soete joined Philips-M.B.L.E. in Brussels as Security Adviser. She headed a team responsible for the design and implementation of cryptographic protocols and key management for chip cards with applications in telecommunications, banking and secure office communications.

From 1979 till 1988 she was employed at Ghent University and was involved in research in the field of combinatorics and finite geometry, cryptography and IT security.

Dr. De Soete has been active in several standardisation committees in the domain of IT security and chip cards for banking and telecom (ISO, ECBS, ETSI). She is currently Vice-Chair of ISO/IEC JTC 1 /SC 27, IT technology - Security techniques and was editor of several authentication standards produced by that committee (1988 -1995). She is regularly involved in the organisation of international conferences and was reviewer for several journals in this area.

Dr. De Soete has written over 35 articles and is a frequent speaker at international conferences and workshops. She also gives regularly courses in dedicated post university programmes on ICT security and cryptography.

Born in Bruges (Belgium), Dr. De Soete is married with two children. She holds a Ph.D. in Science (mathematics) from the University of Ghent.