

SCT55 - Key People

Oyvind Rastad, Chairman of Eurosmart

“The expansion of smart security markets gives rise to new challenges, but especially new opportunities.”

During the last few years, we’ve seen the frontiers of the Smart Security industry expanding to larger countries or continents: IoT, M2M, Cloud Computing, Mobile Security as a whole, and not just limited to SIM card, etc. Is this evolution raising new issues and challenges for Eurosmart?

Indeed, challenges, but especially opportunities to “advocate the use of Smart Security Devices, solutions and services to enhance the usability of digital services while protecting privacy and combatting fraud”. In our digital society, securing digital information and transactions is becoming an important and growing challenge for governments, businesses and individuals alike. But these challenges are matched by the degree of opportunity. The recent proposal from the European Commission for a regulation on e-Identification, e-Authentication and e-Signatures is another step forward towards removing existing barriers to Europe’s digital development, but Eurosmart stresses the vital nature of making smart secure devices a mandatory part of this regulation. This was highly successful for mobile telephony and for road safety with the tachograph systems deployment. It must be done again for electronic signature with e-Identification and eAuthentication. Our industry’s mission is to leverage

SCT55 - Key People

Oyvind Rastad, Chairman of Eurosmart

our experience and expertise of over 20 years in security in order to respond to the needs of new sectors. In the mobile domain, for example, we are already “beyond UICC,” with an offering that has expanded around the more generic concept of the secure element, along with that now of the TEE (Trusted Executive Environment), which allows for securing the keyboard and screen of the mobile, and is highly complementary to those features offered by the secure element.

Don't these developments require some effort at education at the same time?

Eurosmart recognizes the need for education around digital security. Last week, we released our "Digital Security reference paper" whose objective is to explain what digital security means and how it is achieved and evaluated.

...And perhaps also a new definition of “smart security”?

While we do not claim to have all the answers, we strongly believe we are an important part of the solution!

What are Eurosmart's priorities for 2012-2013?

Our main goal is to have an effective influence on future regulations in favor of the use of smart security solutions. Top priorities include Security of mobile devices, applications and transactions; Security and privacy in the Internet of Things' environment; and Digital Identity and Access management for cloud based services.

SCT55 - Key People

Oyvind Rastad, Chairman of Eurosmart

eCommerce and eTransactions open up a huge potential for efficiency and additional business... but only when secure. The European smart security industry already offers the necessary technologies such as secure elements and TSM services for mobile payments and other secure eTrust services like eAuthentication and eSignature

While M2M and IoT mean more convenience, we must make sure it does not develop at the expense of security, privacy and a lack of standardization. By integrating SSDs, we can make a leap in the right direction.

And finally, for cloud computing, Eurosmart believes that IAM based on strong authentication is fundamental to security and privacy in the cloud. There is also a lot to be done to develop and certify proven lifecycle management solutions in this domain. We will also keep focusing our efforts on Biometrics, based on the reference paper we published in April. Our vision is that biometrics, like other personal data, should be stored in a smart secure device, for instance a smart card. Using biometrics combined with SSDs and "Match-on-card" (MOC) for identification and authentication can positively contribute to reducing ID fraud or payment PIN fraud, reinforcing trust in electronic transactions and improving the convenience of security solutions.

SCT55 - Key People

Oyvind Rastad, Chairman of Eurosmart

Do you share our sense that privacy is becoming more and more important in the digital age, sometimes more important than security?

We should not oppose privacy and security. With the right security solutions, each user should have the level of privacy protection they want. Not all people have the same expectations with respect to privacy. Some people are happy to share for instance the financial transaction of their purchases with their social network, while others demand absolute confidentiality from their bank. Good secure solutions should be able to guarantee privacy.

A number of electronic devices include a Smart Secure Device for the protection of secret keys, digital identities and secure end to end processing. Finally, smart secure devices allow for partial or full anonymous authentication, thus protecting privacy. E-Service providers could request the authentication of a user without disclosing, for instance, his or her name.

How do you see the multiplication of sectorized associations such as the SPA and SIMAlliance?

Eurosmart, as the voice of the smart security industry, works across all sectors and we are the only one of the three based in Brussels. We have a very good working relationship with these two associations in particular, and as long as we are well coordinated, our common messages to our

SCT55 - Key People

Oyvind Rastad, Chairman of Eurosmart

stakeholders at international governmental bodies and institutions, national regulators and agencies, the media, and other organizations is strengthened. For instance, SPA and Eurosmart gave a common answer to the EC Green paper on card, Internet and mobile payments.