

## REPORT

### ETSI – ISO/IEC JTC 1/SC 27 SECURITY WORKSHOP

26 April 2013, 14:00-18:00

Amphi Athena, ETSI Headquarters, Sophia Antipolis, France

On the 26<sup>th</sup> April 2013, ETSI and ISO/IEC JTC 1/SC27 held a joint security workshop at the ETSI Headquarters in Sophia Antipolis. Around sixty ISO/IEC and ETSI experts participated in this workshop. The purpose of this workshop was to explore areas of mutual interest and future collaboration in regard to the work programmes of the Technical Committees in ETSI and the Working Groups in SC27.

The workshop was jointly chaired by Carmine Rizzo (ETSI Security Standardization Officer), Charles Brookson (ETSI Security Chairman), Walter Fumy (ISO/IEC JTC1/SC27 Chairman) and Marijke De Soete (ISO/IEC JTC1/SC27 vice Chairman). In welcoming delegates they emphasised the importance of such workshop not only as a platform for awareness and information exchange but also to facilitate a collaborative dialogue between ISO/IEC and ETSI regarding future security standardization activities.

The workshop included presentations from both SC27 and ETSI covering the following sessions: security mechanisms, security evaluation and testing, security controls and services, and identity management and privacy. Each session included a Q&A discussion and suggestions for future collaboration. The following are highlights of these sessions. All presentations are available at:

[http://docbox.etsi.org/Workshop/ISO\\_SC27/ISO-ETSI\\_Security\\_Workshop/](http://docbox.etsi.org/Workshop/ISO_SC27/ISO-ETSI_Security_Workshop/)

By way of introduction Carmine Rizzo provided a brief scene setting presentation on ETSI and its security work.

#### **Session 1: Security Mechanisms**

Speakers and Presentations:

Takeshi Chikazawa: ISO/IEC JTC1/SC27 WG2	Cryptography and Security Mechanisms
Andrea Caccia: ETSI TC ESI	Electronic Signatures / Trusted Service Providers
Carmine Rizzo for Bengt Sahlin: 3GPP SA3	Mobile Security
Scott Cadzow: ETSI TC TETRA	Terrestrial Trunked Radio
Scott Cadzow: ETSI TC ITS	Intelligent Transport Systems

#### **Questions and Answer Discussion / Future collaboration**

There are several areas of mutual interest and future opportunity for ETSI and SC27 to work together on different aspects in the field of cryptography, security mechanisms and trust services, this includes the specific use of SC27 standards for telecoms and mobile applications and services; electronic seals, cloud applications; security and privacy in 3GPP; secure ITS (intelligent transport systems).

Q&A discussion and comments:

- There were clarifications on PWS in 3GPP and on proximity-based systems in 3GPP;
- There was ETSI was encouraged to further its collaboration with SC27/WG2 in the field of cryptographic algorithms;
- A discussion took place on the issue of data deletion for Intelligent Transport Systems; use of frameworks of WG5 applied to IST need to be explored;

- A comment was made on Trusted Platform Modules in relation to Intelligent Transport Systems, specifically regarding usage of TPMs and device authentication to combat cybercrime.

Specific tasks include establishing:

- Collaborative dialogue between ETSI TC ESI and SC27/WG 4 on trust services;
- Collaborative dialogue between ETSI and SC27/WG 2 on use of cryptographic algorithms standardised by SC27, Action point on ETSI to set alignment between WG2 and SAGE (and other ETSI algorithm activities);
- Collaborative dialogue between ETSI TC ITS and SC27/WG 3 on Trusted Platforms;
- Collaborative dialogue between ETSI TC ITS and SC27/WG 1 on ISO/IEC 27009 for Trust Services;
- Collaborative dialogue between ETSI TC ITS and SC27/WG 5 on use of privacy and identity management frameworks.

## Session 2: Security Evaluation and Testing

Speakers and Presentations:

Miguel Bañon: ISO/IEC JTC1/SC27 WG3

Axel Rennoch: ETSI MTS

Scott Cadzow: ETSI TC NTECH

Security Evaluation Criteria

Methods for Testing & Specification

Network Security / Design for Assurance

### Questions and Answers / Future collaboration

There potential opportunities for collaboration between SC27/WG3 and ETSI in the field security evaluation and testing methodologies for telecoms products and systems, including assurance methods, and between SC27/WG5 and ETSI on privacy controls.

Q&A discussion and comments:

- Appreciation was given on the work done by ETSI in the area of privacy by design;
- A discussion took place on the ongoing work in ETSI in relation to regulations such as European Commission Mandates, and on the future liaison between ETSI and SC27/WG5;
- A remark was made on the interchange of information for fruitful future collaboration between various ETSI security groups and ISO/IEC JTC1/SC27 WGs 3 and 5.

Specific tasks include establishing:

- Liaison between ETSI MTS and WG 3;
- Collaborative dialogue between ETSI TC NTECH and WG 3 on design for assurance;
- Collaborative dialogue between ETSI TC NTECH and WG 5 on privacy.

## Session 3: Security Controls and Services

Speakers and Presentations:

Edward Humphreys: ISO/IEC JTC1/SC27 WG1

Johann Amsenga: ISO/IEC JTC1/SC27 WG4

Gerard Gaudin: ETSI ISG ISI

Scott Cadzow for Gerald McQuaid: ETSI TC LI

Information Security Management Systems

Security Controls and Services

Information Security Indicators

Lawful Interception / Data Retention

### Questions and Answers / Future collaboration

Q&A discussion and comments:

- A clarification was made on the function of lawful interception as implemented by service providers, and about the obligations by providers to provide lawful interception and data retention capabilities throughout Europe: ETSI provides purely the technical requirements, and each country is free to use the standards in the way they deem most appropriate for their needs;
- A productive joint meeting took place during the SC27 WG meetings between ETSI ISG ISI and SC27/WG4. This resulted the need for continued future collaboration and regular liaison and participation in each other's meetings;
- There is interest from TSI ISG ISI in regarding the work in SC27/WG1 on measurements and security controls.

Specific tasks include:

- Continued collaborative dialogue and joint meetings between ETSI ISG ISI and SC27/WG 4;
- Establishing collaborative dialogue between ETSI ISG ISI and SC27/WG 1 on information security indicators and measurements, specifically in regard to the revision of ISO/IEC 27004.

#### **Session 4: Identity Management and Privacy**

Speakers and Presentations:

Kai Rannenberg: ISO/IEC JTC1/SC27 WG5

Identity Management and Privacy Technologies

Francois Ennesser: ETSI TC M2M

Machine-to-Machine

#### **Questions and Answers / Future collaboration**

Q&A discussion and comments:

- In regard to ETSI TC M2M could rely on new crypto mechanisms of SC27/WG2, both HW or SW oriented depending on the needs of the applications;
- Need for a dialogue with SC27/WG5 on privacy issues related to smart grids and metering, and possibly in regard to M2M and IoT.

Specific tasks include a:

- Collaborative dialogue between ETSI TC M2M and SC27/WG 2 on use of SC27 standards;
- Collaborative dialogue between ETSI TC M2M and SC27/WG 5 on privacy and identity management issues.

#### **18:00 Final Remarks and Workshop Closure**

The workshop ended with concluding remarks from Charles Brookson, Walter Fumy, Marijke De Soete, Carmine Rizzo; continued liaison and joint working on the identified areas of collaboration need to be progressed; thanks were given to participants and speakers; thanks to ISO/IEC JTC1/SC27 for giving ETSI the chance to organize this joint workshop; thanks were given to ETSI for hosting the SC27 WG meetings (22-26th April) and for the use of its excellent facilities, thanks to those from ETSI involved arranging the SC27 meetings and those staff involved in the day-to-day admin of the meetings, and finally thanks to Carmine Rizzo for arranging this workshop to explore collaborative dialogue.