

Update on

# ISO/IEC JTC 1/SC 27

Information security, cybersecurity  
and privacy protection

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# SC 27 Scope

The development of standards for the protection of information and ICT. This includes generic methods, techniques and guidelines to address both security and privacy aspects, such as:

- Security requirements capture methodology;
- Management of information and ICT security; in particular information security management systems, security processes, and security controls and services;
- Cryptographic and other security mechanisms, including but not limited to mechanisms for protecting the accountability, availability, integrity and confidentiality of information;

# SC 27 Scope

- Security management support documentation including terminology, guidelines as well as procedures for the registration of security components;
- Security aspects of identity management, biometrics and privacy;
- Conformance assessment, accreditation and auditing requirements in the area of information security management systems;
- Security evaluation criteria and methodology.

SC 27 engages in active liaison and collaboration with appropriate bodies to ensure the proper development and application of SC 27 standards and technical reports in relevant areas.

# SC 27 Facts

**Secretariat:** DIN

**Chair:** Dr. Andreas Wolf

**Committee Manager:** Krystyna Passia

**Members:** 50 participating members, 28 observing members

**Standards:** 189 published and 75 standards under development

**Liaisons:** 12 JTC 1, 16 ISO, 4 IEC, 16 Cat. A, 35 Cat. C

**Meetings:** twice per year (March/April, September/October)

**Meeting Attendance:** above 300, increasing

# SC 27 Structure

- WG 1** Information security management systems
- WG 2** Cryptography and security mechanisms
- WG 3** Security evaluation, testing and specification
- WG 4** Security controls and services
- WG 5** Identity management and privacy technologies
- JWG 4** Blockchain and distributed ledger technologies and IT Security techniques (joint activity with ISO/TC 307)

# SC 27 Sustainable Development Goals

# SUSTAINABLE DEVELOPMENT GOALS

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



# Highlights

- The new cooperation activity is gaining momentum:  
ISO/TC 307/JWG 4: Joint ISO/TC 307 - ISO/IEC JTC 1/SC 27  
WG on Blockchain and distributed ledger technologies and IT  
Security techniques
- Constantly increasing attraction to the participating experts and  
their National Bodies: 1446 registered experts
- 75 Standards currently under development, 19 published in 2019
- Eagerly anticipated: ISO/IEC 27701: Security techniques -  
Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy  
information management - Requirements and guidelines

# Highlights

## Continuity:

- ISO/IEC 27000 family of standards “ISMS”
- ISO/IEC 15408 and 18045 “Common Criteria”



# Highlights

## Increased importance of privacy standards:

- ISO/IEC 29134 Guidelines for privacy impact assessment
- ISO/IEC 29151 Code of practice for personally identifiable information protection
- ISO/IEC 20889 Privacy enhancing data de-identification techniques

# Highlights

## New ways of cooperation:

- JWG with ISO/TC 307 Blockchain and distributed ledger technologies
- ISO/PC 317 Consumer protection: privacy by design for consumer goods and services  
(Chairman is Vice-Convener of SC 27/WG 5)
- Dedicated Co-Editors from other committees in SC 27 projects

# Challenges

Today, SC 27 is faced with

- Growing complexity of technologies in an increasing number of IT application fields with security needs,
- Increasing coverage of IT to virtually all application domains,
- An increasing market need for comparability of security properties of products and systems, this includes scalable and lower effort approaches, and
- Growing importance of privacy aspects including the need for comparability and applicability in many regional and national legal contexts.

# Plans

In the near future, SC 27 wants

- To improve the visibility of SC 27 products in other standardization entities, in particular in IEC,
- To modify the organizational structure of SC 27 in order to allow
  - Faster responses to requests from liaising organizations and
  - Improved awareness within SC 27 on relevant new technological and societal trends, and
- To develop continuously and in time high quality standards according to the market needs.

# Thank you.



Dr. Andreas M. Wolf

Innovations - Principal Scientist Biometrics

ISO/IEC JTC 1/SC 27 Information security, cybersecurity and privacy protection – Chairman

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