Interoperability from the perspective of standards

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General considerations about European Standards
Facts and figures about CEN and CENELEC

- 21887 European Standards
- 616 Technical Specifications
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- 467 Active Technical Committees
- 465 CEN/CLC Workshop Agreements
- 200,000 European experts
- 1652 Working Groups
What is a standard?

Reference document that contains technical specifications or other precise criteria designed to be used consistently as a rule, guideline, etc..

They set out minimum requirements on the quality and/or performance of a product/service provider.

How do we develop standards?

...by subject, in Technical Committees by bringing together interested parties to share:

   What they need/ What they have/ What they want to include in standards

The ‘harmonized effect’

✓ Strong national commitment of implementation as 34 identical national standards
✓ All conflicting standards from members are withdrawn
✓ Voluntary in application for industry/public authorities etc
✓ Consensus-based

European Standard vs International standard
Current standardization landscape

**European**
- CEN/TC 391 Societal and citizen security
- CEN/TC 439 Private security services
- CEN/TC 419 Forensic science services
- CEN/TC 325 Crime prevention through building, facility and area design
- CENELEC/TC 79 Alarm systems
- CEN-CLC/TC 8 Privacy management for products and services
- CEN-CLC/TC 13 Cybersecurity and data protection

**International**
- ISO/TC 272 Forensic sciences
- ISO/TC 292 Security and resilience
  - ISO/TC 292/WG 1 Terminology
  - ISO/TC 292/WG 2 Continuity and organizational resilience
  - ISO/TC 292/WG 3 Emergency management
  - ISO/TC 292/WG 4 Authenticity, integrity and trust for products and documents
  - ISO/TC 292/WG 5 Community resilience
  - ISO/TC 292/WG 6 Protective security
Published standards

Published:

CEN/TS 17159:2018 Societal and citizen security - Guidance for the security of hazardous materials (CBRNE) in healthcare facilities
EN 15602:2008 Security service providers – Terminology
EN 16082:2011 Airport and aviation security services
EN 16747:2015 Maritime and port security services

EN ISO 22301 Security and resilience - Business continuity management systems – Requirements
EN ISO 22313 Security and resilience - Business continuity management systems - Guidance

Under development:
FprCEN/TS 17091 Crisis management - Guidance for developing a strategic capability
prEN 17173 European CBRNE glossary
Why standards matter?
The importance of standards

• Improving efficiency and effectiveness of key processes.
  Standardised approach is of critical importance in cross-border and cross community communication. Where industry is concerned, standards such as ISO 27001 encourage the adoption of standard organisational structures.

• Facilitating systems integration and interoperability
  All type of security products need to interoperate in different environments. Many security weaknesses occur at the interface of different technologies or products.

• Enabling different products or methods to be compared in a meaningful manner
  Standardisation of testing methods makes it possible to compare security products in a meaningful manner.
The importance of standards

• Providing a means for users to assess new products or services
  Standards increase the level of transparency of the product or service to the end user.

• Structuring the approach to deploying new technologies or business models

• Simplification of complex environments
  The complexity of real-life systems is one of the biggest barriers to achieving coherent security solutions
  Agreed terms and definitions could make your life easier
  Standards help reduce complexity, reducing the number of special cases that a security solution has to take account of
Thank you

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