

Cybersecurity, Data Protection, and Privacy Standardization in Support of EU Policy

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Cybersecurity Act CEN-CENELEC Conference

Establishing the link between Standardization and Certification

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Alessandro Guarino (The original speaker)

17+ Years in Information/Cyber Security Consultancy



Speaker
Author



2011



2013



2013-2017



2016



2017



Standards



2011 →



Cybersecurity Act

- Strong legislative initiative (Proposal for a **Regulation**)
- Focus on Cybersecurity (products and services)
- Connection with privacy is however explained:

*Cybersecurity has an essential **role in protecting the privacy and personal data of individuals** in accordance with Articles 7 and 8 of the Charter of Fundamental Rights of the EU. In case of cyber incidents the privacy and the protection of our personal data are clearly exposed. **Cybersecurity is thus a necessary condition for the respect of privacy and confidentiality of our personal data.** Under this perspective, by aiming to reinforce cybersecurity in Europe, the proposal provides an important **complement** to the existing legislation protecting the fundamental right to privacy and personal data.*

- The complementarity of the two domains is explained quite clearly.
- This simple fact should be reflect in standardization activity by the ESOs, in order, for instance, to attract all the expertise needed to tackle such subjects.



Cybersecurity vs. Privacy vs. Data Protection



Security by hunting and gathering

“Get all the information
you can

—

we’ll think of a use for it
later.”



CEN-CENELEC JTC 8

- Privacy management in products and services.
- **The scope of the group is “[...] to cover privacy and personal data protection in products and services.”**
- Engaged directly in supporting policy, by fulfilling Standardization Request M/530 by the European Commission, DG HOME (“Migration and home affairs”)
- Started work in July 2017 (Berlin). **In two days the group will have its third plenary here in Brussels (observers welcome!)** after its second was held in Milano in November 2017.



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- **Current Work Programme:**

- Data protection and privacy by design and by default (**EN standard**)
 - Scope: “This EN will provide requirements for manufacturers and/or service providers to implement Data protection and Privacy by Design and by Default (DPbD/D) early in their development of their products and services. The standard will be applicable to all business sectors, including the security Industry.”
- **Technical reports (TR):**
 - Data protection and privacy by design and by default - Video surveillance products and services
 - Data protection and privacy by design and by default - Biometric access-control products and services



More (consumer) devices



[Sony]



[Vivid Deutschland]



[Philips/Saeco]



[LG]



[Beurer]



[Discovery]



[Withings]



The human element

- Standardization bodies need to work on defining baselines for skills and abilities as well
- Cybersecurity / Data protection refer to complex socio-technical systems of which personnel is a most important part
- Competences and qualifications of professionals should be the subject of standardization and certification as well (with due care) e.g.:
 - To increase the level of trust
 - To foster the building of a single European market for professionals



Thanks for Your Time

What are your questions?

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