Cybersecurity standardisation

• Generic information security standards

• Application to consumer IoT
  versus

• Customisation for easy use of standard
Consumer IoT security

- The new EN
- Inclusion of privacy aspects
- Relation to safety standards
- Market transparency = standards transparency
Communicating security

• Consumers (citizens) as users of TVs, kitchen appliances, etc.

• Lower level of attention than governments or businesses

• Consequence of reducing complexity = expert assessment and certification
Preparing a certification scheme

• EN and TS complemented by dedicated assessment standards

• Trust by consumers is key
  • Expert assessment detailed enough, repeatable, empowered by digital tools?

• Relation to (future) European data protection standards
  • The EN on DPaPbDabD and more standard coming up
  • However product security versus data security
    • RED perspective vs GDPR perspective

• Support of legal requirements? in which regions?
Horizontal or vertical standards?

• Pros and cons in both approaches

• Vertical useful as more detail on application domain and better awareness among stakeholders
  • less room for “it depends“, errors, inconsistency between auditors

• Horizontal useful as transfers good practice from one sector to the other
  • not enough human resources for consumer representation in all verticals
  • link to discussion on: international vs European standardisation