



Importance of standardization for industry

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Once upon a time.....

Standardization was considered as an insurance

How can wrong be even more wrong?

Why standardization? (1/2)

- ▶ Electrotechnical standardization started as a common project
 - ▶ of utilities and
 - ▶ of product manufacturers
- ▶ Because
 - ▶ Electricity was dangerous
 - ▶ Need for safety because without safety there was no market
- ▶ Need for
 - ▶ Specifications when electricity is safe: standards
 - ▶ verifications to ensure standards are applied: conformity assessment
- ▶ A nice to know is that
 - ▶ ISO was founded in 1947
 - ▶ IEC was founded in 1906

Why standardization? (2/2)

- ▶ Today, safety is still essential and the priority
- ▶ But there is much more, such as
 - ▶ EMC (electromagnetic compatibility)
 - ▶ Environment
 - ▶ Waste
 - ▶ Dangerous substances
 - ▶ Energy efficiency of products
 - ▶ Energy performance of buildings
 - ▶ Material resources
 - ▶ Circular economy
 - ▶ Digitization
 - ▶ Cyber security
 - ▶ Data privacy
 - ▶ Compatibility
 - ▶ Interoperability
 - ▶ ...

Standardization part of bigger picture

- ▶ Quality infrastructure (QI)
 - ▶ Regulations
 - ▶ Standardization
 - ▶ Conformity assessment
- ▶ QI is implemented by national authorities all around the world
- ▶ As regulations are national, need for national standards
- ▶ But industry needs access to different national markets
- ▶ National standards need to be based on international standards
 - ▶ Modifications to adapt requirements to specific needs: national regulations, national market needs, national conditions

► Risks (likelihood and impact) to be managed:

- Loss of turnover as parts of the offer becomes obsolete due to existing offer not remaining in conformity with the evolving standards or not remaining relevant due to this evolution.

Guaranteeing market access

- Missing market opportunities for new applications, use of new technologies by industry and new geographical markets due to insufficient/no timely involvement of experts in standardization activities

Boosting business

Thank you

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