



StandICT.eu 2023
ICT STANDARDISATION OBSERVATORY AND SUPPORT FACILITY IN EUROPE

EU NLF and Harmonised Standards

Hardware and Software
Sabine Janning (IBM)



StandICT.eu has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement **No. 951972**.

NLF: Hardware and Software

- EU objectives – NLF – standardisation
- Product Safety and EMC (Electro Magnetic Compatibility)
- NLF - essential requirements – Draft AI Act
- Outlook standardisation

NLF - Standardisation

Single Market

NLF

Free movement of goods and protection, Compliant products



EU mandates/requests

Cen/Cenelec / ETSI

EU Regulation 1025/2012

EU Directives and Regulations
Essential requirements for a specific sector



Harmonized European Standards
Specification of the essential requirements

Harmonized standards and citation in the OJEU



Market Access

Product Safety:

Harmonised Standards
essential requirements LVD
HBSTD technology neutral risk based
IEC TC108 - Cenelec TC108x

EMC:

Compatibility means coexistence of ICT
equipment, existing together
Harmonised Standards
essential requirements EMC
IEC / CISPR – Cenelec TC210

Cloud – IOT – AI

In the past there has been no experience getting software evaluated for product safety and compliance.

Due to the good experience with the NLF it is the basis for the Draft AI Act

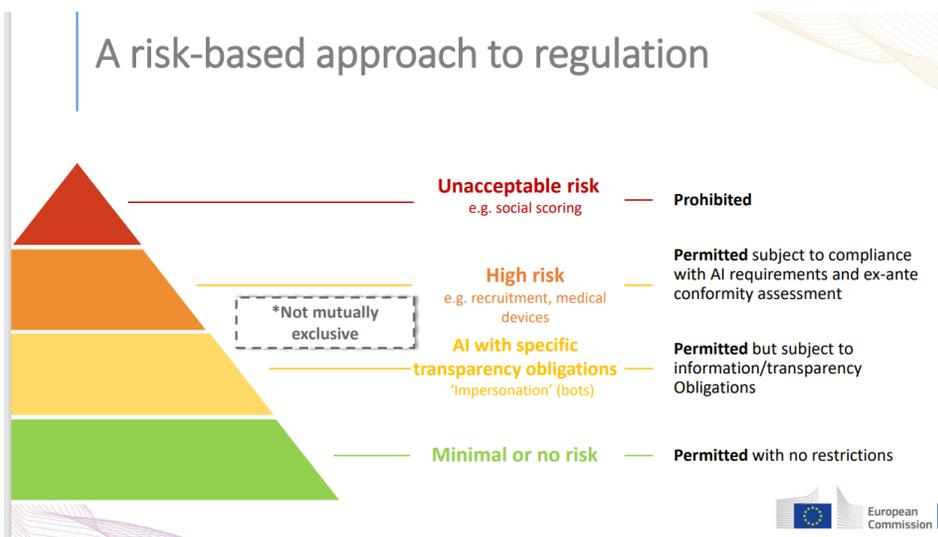
AI Act:

- Proportionality
- Innovation
- Technology neutrality
- Risk approach

NLF – essential requirements:

- Risk management system (9)
- Data and data governance Article (10)
- Technical documentation Article (11)
- Record-keeping Article (12)
- Transparency and provision of information to users (13)
- Human oversight (14)
- Accuracy, robustness, and cybersecurity (15)

A risk-based approach to regulation



Developing Harmonised Standards
ISO/IEC JTC 1/SC 42 – Cen Cenelec JTC 21

Outlook: Development of HS

Standardisation is innovation!

Do not hesitate to contribute!

Standardisation is consensus
on all stakeholders!

Teams always has different characters to win!

There is often an entanglement in technical details. The discussion get out of control: get in , summarize the actual discussion and insist on the goal. Do we need the sideshows?

Taking the stage – Orchestrate

Do not be paralyzed:
you cannot be an expert on all – but all together get the puzzle



Thanks from

StandICT.eu 2023
ICT STANDARDISATION OBSERVATORY AND SUPPORT FACILITY IN EUROPE



To find out more visit:
standict.eu



Stay in touch on Twitter
[@Stand_ICT](https://twitter.com/Stand_ICT)



Join us on LinkedIn
linkedin.com/in/standict





Since 2014

Senior Standards and Compliance Program Manager

expertise on EU standardization - regulation - compliance supporting IBM client teams in regulatory and standards compliance

Contributing to industry associations and standardization, also in leading roles:

- Member of DIN NIA NA 043-01-42 AA (AI) and ISO-IECJTC1-SC42-WG3 (Trustworthiness) Member CEN/CENELEC JTC 21 (AI)
- Member of DKE K711 (Product Safety for Multimedia & IT Products) and CENLEC TC 108x
- Vice-Chair of DKE EMC for Multimedia (IT & TK Products) in Germany
- Vice-Chair Bitkom AK EMV,
- Vice-Chair Bitkom AK PMZ (Product Safety and Market Access)
- Chair of ECMA TC20 EMC/EMF Issues

since 2009

working in standardization committees

2006-2014

Standards & Regulatory Compliance Engineer: Product Safety & Coordinator EMC Coordinator (Technical Relations Europe) representing IBM at national and international level at Bitkom, ECMA and in national standard committees

2006 - 2010

EU Project: Intelligent Energy Efficiency for Server

1994 - 2006

IBM Storage OEM Technical Support **HDDs** in Mainz and Technical Relations in Stuttgart for special projects

1990 - 1994

IBM Microelectronics **Semiconductor** Development : Project Engineer for JESSI (Joint European Semiconductor Initiative) EU program: tool for high density plasma etching (project leader)

19/84-1990

Diplom-Physic at University of Osnabrück (Germany)

Ecma : <http://ecma-international.org/>

<https://www.cencenelec.eu/>

<http://www.etsi.org/standards>

CISPR: International special committee on radio interference

https://www.iec.ch/dyn/www/f?p=103:7:0:::~:FSP_ORG_ID,FSP_LANG_ID:1298,25

AIA https://ec.europa.eu/commission/presscorner/detail/en/ip_21_1682

<https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1623335154975&uri=CELEX%3A52021PC0206>

LVD https://ec.europa.eu/growth/sectors/electrical-and-electronic-engineering-industries-eei/low-voltage-directive-lvd_en

EMCD https://ec.europa.eu/growth/sectors/electrical-and-electronic-engineering-industries-eei/electromagnetic-compatibility-emc-directive_en

NLF https://ec.europa.eu/growth/single-market/goods/new-legislative-framework_en

HBSTD Hazard Based Standard <https://www.iec.ch/blog/hazard-based-approach-safety-electrical-and-electronic-devices>