

STANDARDS: CATALYST FOR INNOVATION

As partners of industry, research and society, the European Standardization Organizations CEN, CENELEC and ETSI as well as the national standards bodies contribute significantly to bringing innovations to market maturity and to opening up new areas including smart cities and sustainability.

€40 BILLION

is the approximate contribution of standardization to the economic growth in Germany, France and the United Kingdom each year.

(Source: "The Economic Benefits of Standardization" (DIN study, 2006))

BENEFITS OF STANDARDIZATION FOR RESEARCH AND INNOVATION

- ▶ Build on existing standards in your field of research and innovations
- ▶ Identify the standardization potential of your research results and your innovative solutions
- ▶ Develop new standards, e.g. for services, product quality or interoperability

20,000+

EN Standards are adopted in each member state and more than 1,600 are published every year.

33%

of all European (EN) Standards are identical to ISO Standards.

160+

national standards bodies are members of the International Organization for Standardization (ISO).

250 MILLION

ISO freight containers travel the world every year. ISO 668 is an outstanding example of the scope of international standardization.



STANDARDS FOR RESEARCH AND INNOVATION – WORKSHOP AGREEMENTS (CWA)*

PROPOSAL FOR WORKSHOP

Anyone can propose and join the workshop.



DRAFTING PHASE

Development of a draft document in a collaborative environment.



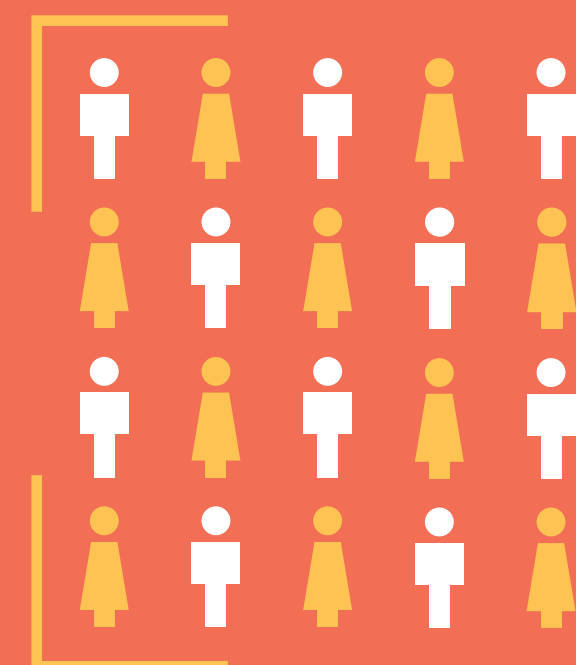
VOLUNTARY COMMENTING

Anyone can comment on a draft CWA.



PUBLICATION

Standards such as CWAs are available worldwide.



> 200,000 EXPERTS

from business and research, from the consumer side and the public sector work on European Standards in their national standards bodies.



CWAs ARE REVIEWED AFTER **3 YEARS** AT THE LATEST.

European Standard

Workshop Agreement

around 0.5–1 year

around 2–3 years

*One standards deliverable is a CEN/CENELEC Workshop Agreement (CWA) that can be developed in an expedited process and mainly supports the standardization of research and innovation results. It can be used as a basis for e.g. a European (EN) Standard.

WE ALL BENEFIT FROM STANDARDS



They support innovations, efficiency and quality.



They facilitate competitiveness and simplify trade.



They boost confidence and make products safe and sustainable.

THE FUTURE ONLY WORKS WITH STANDARDS



IT Security



Smart Mobility



Smart Cities



Sustainability

STANDARDS FOR THE FUTURE SMART CHIP CARDS



The SIM card is the most prominent example of the identification cards in ISO/IEC 7810.

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AND SHAPE
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Standards



Innovation

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