

STANDARDIZATION & ICT

Standards support Information and Communication Technologies



It is now acknowledged that all sectors of activity base their work on standards to carry out their daily tasks effectively. Some of the most obvious examples are the standardization of the size and shape of CD-ROM, DVD, USB or connectors.

Beyond hardware standards, it is also fundamental to establish standards for the purely digital world: data management, files, communication protocols, information security and IT services in general.

All these standards are necessary to guarantee the usability and interoperability of the products, software and services, whoever the manufacturer or producer of the system, and whatever the device or the network used.

What are the main topics in international ICT standardization?

ICT standardization is mainly conducted in the Joint Technical Committee between ISO and IEC (ISO/IEC JTC1), ETSI and ITU-T. The most active areas within these organizations currently include:

- Cloud computing
- IT Security techniques
- Governance of IT
- Electronic signatures
- Big Data and Data Management
- Internet of Things
- Sensor Networks
- Software and systems engineering

What are the support tools for ICT standardization in Luxembourg?

UNIVERSITY CERTIFICATE “SMART ICT FOR BUSINESS INNOVATION”: answering the ever-growing demand for qualified ICT workforce, ILNAS and the University of Luxembourg launch a new post-graduate program starting in September 2015, notably, in the specific frame of ICT standardization, with the partnership of ETSI



ICT STANDARDS ANALYSIS: regular publication of a national report which presents the interests and opportunities for national ICT stakeholders in the field of standardization



NATIONAL WORKSHOPS ON SMART ICT STANDARDIZATION: these events will regularly bring together the national community involved in ICT standardization in order to share experience and knowledge in the field of Smart ICT

APPLICATIONS WANTED: SEEKING EXPERTS IN THE ICT FIELD!

Do you have skills and experience in the ICT sector?
Do you want to anticipate future requirements and influence the market?

**JOIN THE STANDARDIZATION PROCESS NOW!
BECOME A TECHNICAL COMMITTEE MEMBER!**



MAKE STANDARDS YOURS!

STANDARDIZATION

An essential tool to boost competitiveness

What is standardization?

Standardization corresponds to the definition of voluntary technical or quality specifications with which current or future products, production processes or services may comply. Standardization is organized by and for the stakeholders concerned based on national representation (CEN, CENELEC, ISO and IEC) and direct participation (ETSI and ITU-T), and is founded on the principles recognized by the World Trade Organization (WTO) in the field of standardization, namely coherence, transparency, openness, consensus, voluntary application, independence from special interests and efficiency. In accordance with these founding principles, it is important that all relevant interested parties, including public authorities and small and medium-sized enterprises, are appropriately involved in the national, European and international standardization process.

(Based on: Regulation [EU] N°1025/2012 of the Parliament and of the Council)



How is standardization organized in Luxembourg?

The Luxembourg system of standardization is based on a network of experts coming from all sectors enrolled in standardization technical committees at national, European and international level. Their role is to bring their expertise and knowledge to bear on guaranteeing standards quality. They also take part in voting and can thus guide future market needs. ILNAS, as the Luxembourg standards body, ensures coordination among the different committees at national level.

Luxembourg's Policy on ICT standardization (2015-2020)

To promote ICT standardization in Luxembourg, ILNAS has drawn up the Luxembourg's policy on ICT standardization (2015-2020)* in order to foster and strengthen the national ICT sector involvement in standardization through three lead projects: developing the interest and the involvement of the market; promoting and reinforcing the participation of the market; supporting and strengthening the education about standardization and related research activities. ANEC GIE, under the supervision of ILNAS, ensures the constant development of the standardization field dedicated to ICT at national level.

* Available on <http://www.portail-qualite.public.lu/fr/publications/>

