

ILNAS-NSB commitment, missions and the National Standardization Strategy (Standards Analysis - ICT Sector focus)

ILNAS
April 18, 2013

Summary

- I) ILNAS, ANEC and Standardization activities in Luxembourg**
- II) Luxembourg Standardization Strategy 2010-2020**
- III) Standards Analysis - ICT Sector focus**

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ILNAS: Luxembourg Institute for Standardization, Accreditation, Safety and Quality of goods and services

Creation

- Law dated May 20th, 2008
- Grouping of various technical and administrative missions

Legal Status

Public administration under the authority of the Minister of the Economy and Foreign Trade

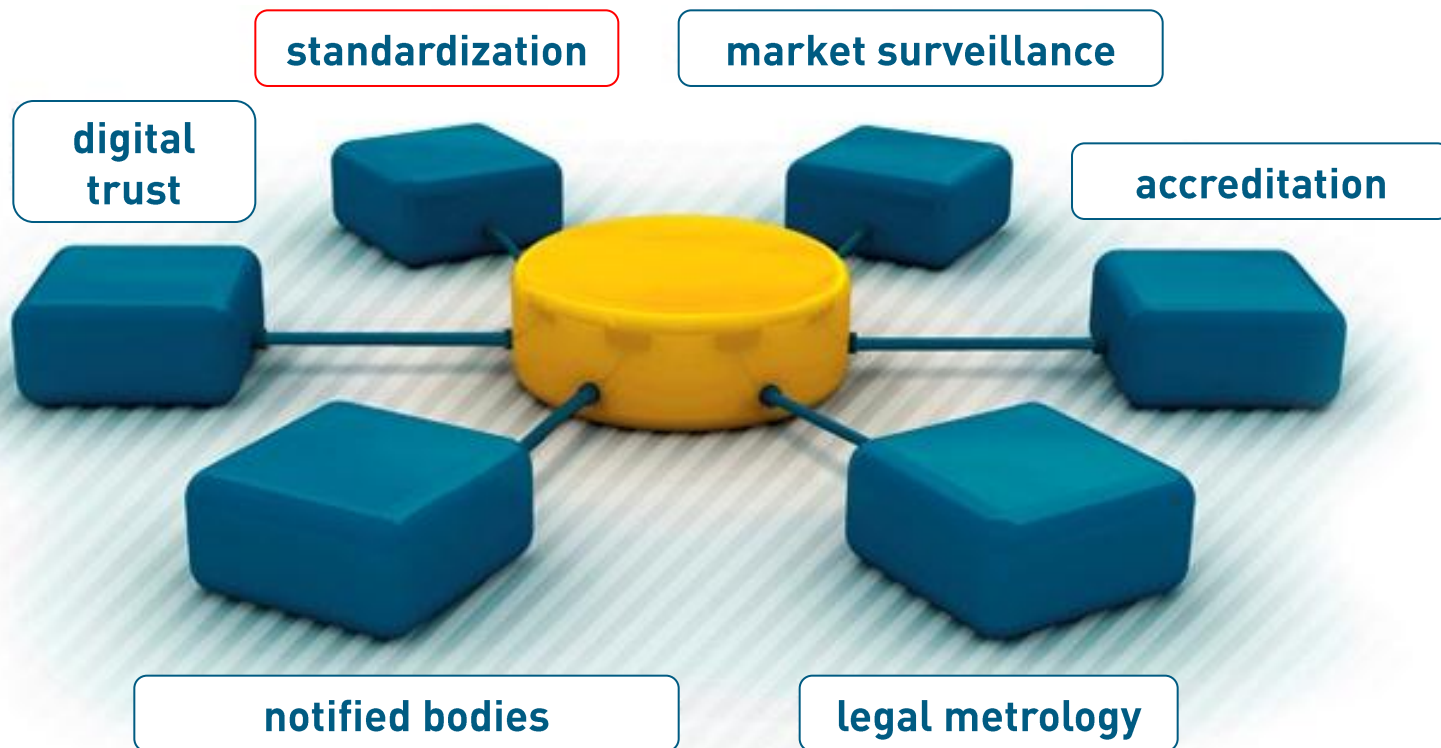
Staff

28 civil servants (January 2013)



Organization

ILNAS, a skilled network dedicated to competitiveness and consumer protection



Commitment

ILNAS, as Luxembourg's National Standards Body, is a member of the European standardization organizations, CEN, CENELEC and ETSI, and of the international standardization organizations ISO and IEC

- Work for the benefit of Luxembourg's Community
- Foster and promote voluntary consensus based standards
- Provide public access to standards development
- Facilitate SMEs' participation in European and international standardization
- Engage with all stakeholders
- Ensure transparency of interests and balanced mirror committees
- Support Government policy makers and regulators
- Represent Luxembourg's interests at international level
- Facilitate access to standards
- Work on continuous improvement

Missions

- Maintain the national database of more than 90.000 normative documents
- Organize education and training courses about standardization
- Publish and implement european and national standards
- Develop partnerships with academia and research
- Manage the National Mirror Committees

Services

- Participation in technical standardization committees, free of charge
- Selling standards (e-shop - <https://ilnas.services-publics.lu>)
- Free consultation of standards at the ILNAS offices
- Mentoring and training of new delegates in standardization
- Carrying out studies on standardization activities in important economic sectors
- Organizing standardization fora dedicated to specific economic sectors



ANEC: Agency for Standardization and knowledge-based Economy

Date of creation

October 4th, 2010

Legal Status

Economic Interest Grouping (EIG)

Staff

21 employees (January 2013)

Partners



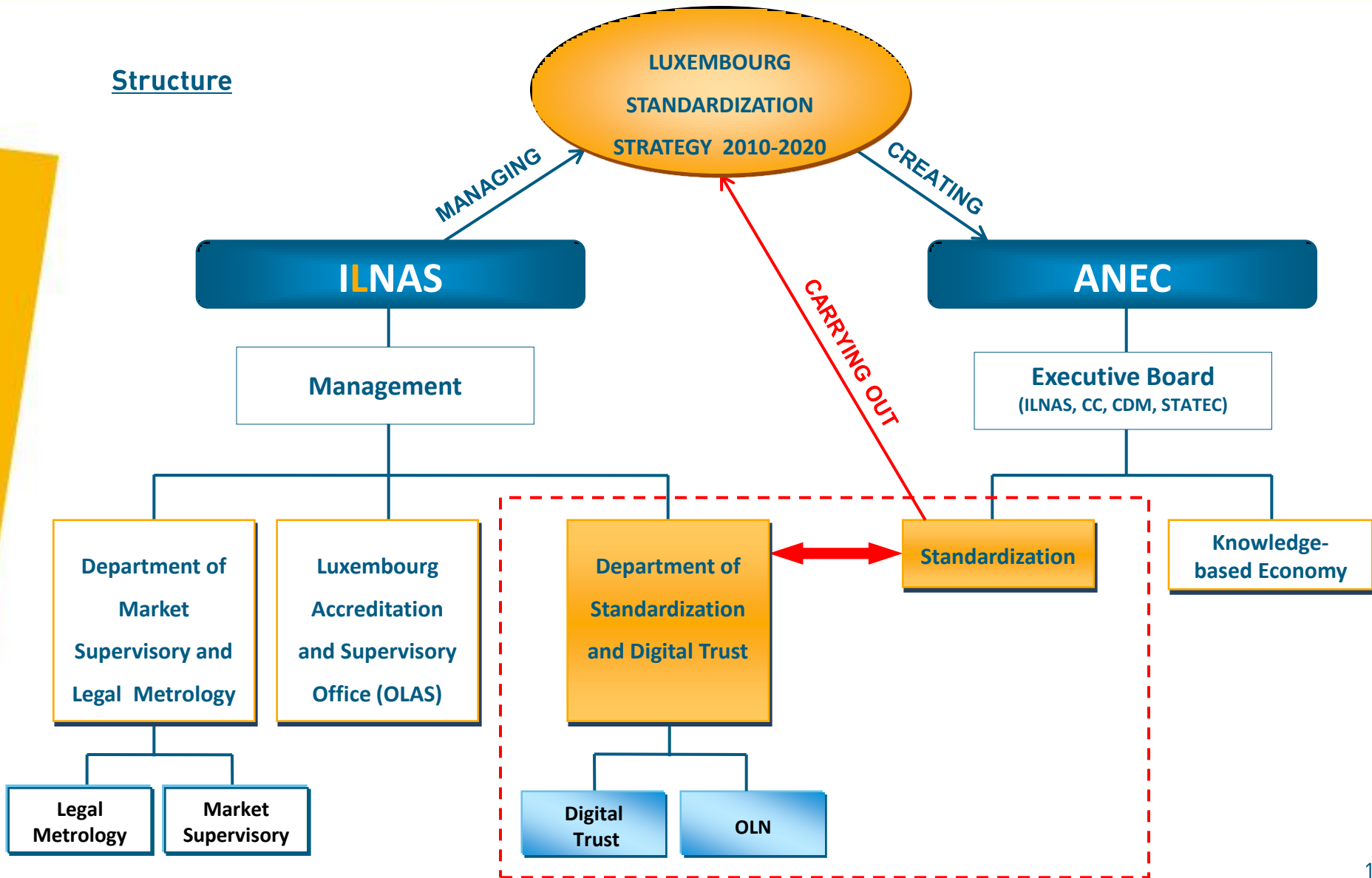
Missions

- Develop a standardization culture in Luxembourg
- Effectively develop standards-related education at a national level
- Guarantee sector-based standards-related development in line with market requirements
- Develop applied research activities in line with standardization
- Propose standards-related products and services in line with national economic requirements

Products and services

- Standardization diagnostic of an economic entity
- Measurement of the economic benefit of standardization
- Creation of standards-related policies for businesses
- Development of training on request
- Applied standards-related monitoring for businesses
- Support for businesses in research projects

Structure



Summary

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Introduction: Luxembourg standardization strategy 2010-2020

Goals

- Support the national economy in terms of competitiveness, performance and international visibility
- Develop a homogenous “standardization culture” at national level
- Improve the position of Luxembourg in the European and international standardization organizations
- Launch an innovative and federative way for the national standardization process

Foundations

- Pillar I: Sector-based standardization approach
- Pillar II: Research and Innovation
- Pillar III: Sector-based development of the National Standardization Organization (OLN)
- Pillar IV: Standardization training and public awareness
- Pillar V: Creation and development of the Economic Interest Grouping “Agency for Standardization and Knowledge-based Economy”

Summary

- I) **ILNAS, ANEC and Standardization activities in Luxembourg**
- II) **Luxembourg Standardization Strategy 2010-2020**
- III) **Standards Analysis - ICT Sector focus**

1. Standards analysis of the national ICT sector

1.1. Objective

- ▶ Inform the national stakeholders about standardization developments in their sector
- ▶ Identify potential interests for the national stakeholders and opportunities for the national market
- ▶ Encourage all national stakeholders to have a normative reflex
- ▶ Develop « standards-related » skills and collaborations between national stakeholders

General and normative context of the ICT sector

- ▶ Dynamic sector with massive investments
- ▶ Responsible for 5% of European GDP (Gross Domestic Product), with an annual market value of € 660 billion (COM2011/0311 from the European Commission)
- ▶ Standards play a strategic role for ICT

1.2. Main steps of the ICT standards analysis



1.3. Results of the selective standards watch

- ▶ Identification of **37** standardization technical committees (TC)

ISO	ISO/IEC	CEN	ETSI
1	22	11	3

- ▶ Definition of 8 subsectors addressing **23** standardization technical committees (TC)


SUBSECTOR	ISO	ISO/IEC	CEN	ETSI
CLOUD COMPUTING		1		1
DATA CENTER		1		
TELECOMMUNICATIONS		2	1	1
SOFTWARE AND SYSTEM ENGINEERING		3		
SECURITY		2		
DATA MANAGEMENT		6	1	
ELECTRONIC SIGNATURE		1	1	1
E-ARCHIVING	1			

- ▶ Identification of **14** standardization technical committees (TC) not directly related to a subsector

ISO	ISO/IEC	CEN	ETSI
0	6	8	0

ID-Card

- ▶ Presentation of the results using identification ID-cards for each standardization technical committee

General information			
Committee		Title	
Creation date		MEMBERS 	
Secretariat			
Secretary			
Chairperson			
Involvement of Luxembourg			
Organizations in liaison			
Web site			
Scope			
Structure			
Standardization work			
Published standards			
Standards under development			
Comments			

2. Identification of national stakeholders

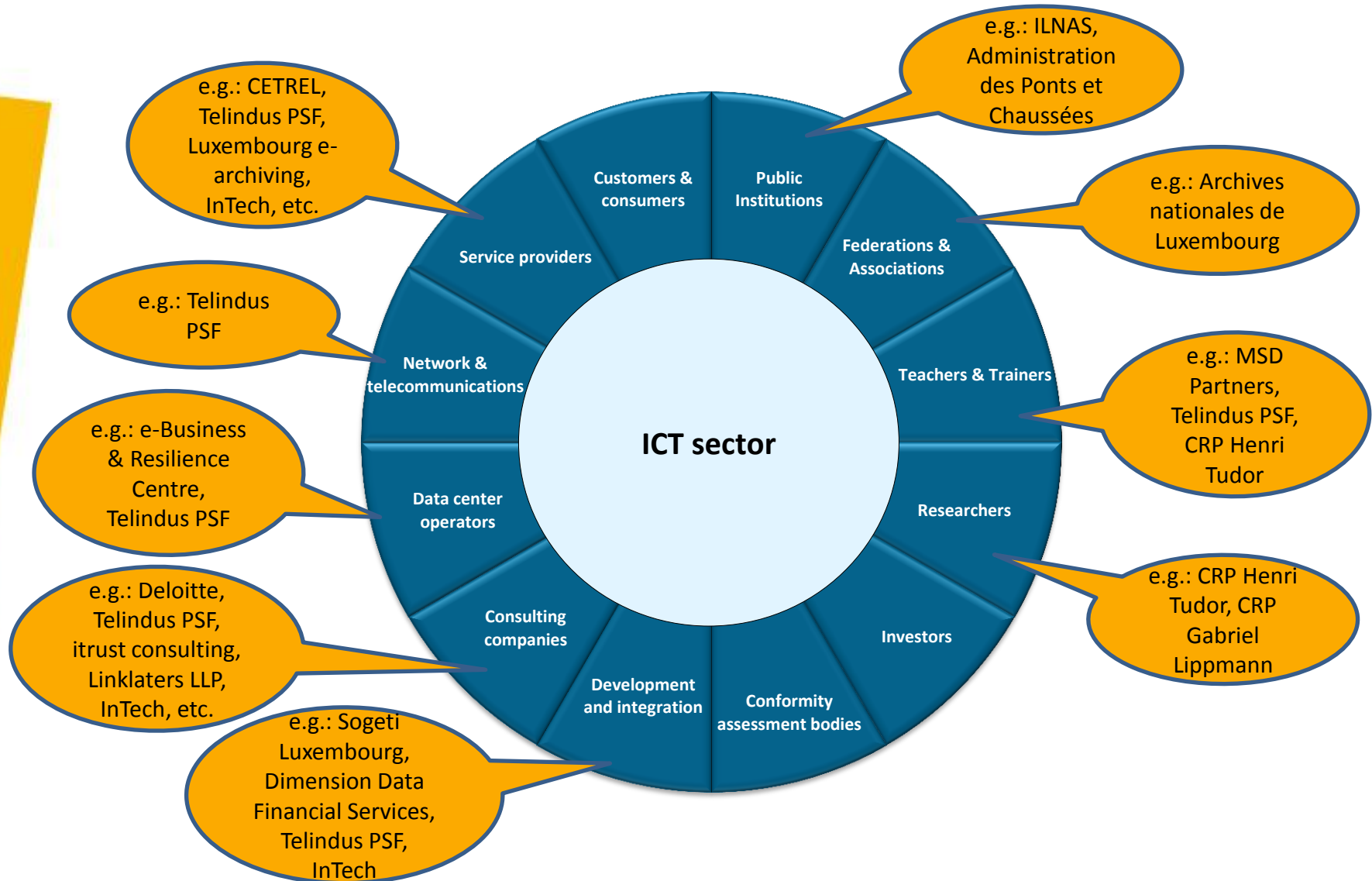
2.1. Objective

- ▶ Identification of national private and public stakeholders representing the entire ICT sector in Luxembourg to simplify the proposals of connections between the stakeholders categories and the ICT subsectors classifying the selected TCs

2.2. Methodology

- ▶ Identification of the public and private stakeholders acting in the ICT sector
 - ▶ Identification of the connections, relationships between the stakeholders
 - ▶ Definition of stakeholder categories
- Sources: contacts, publications, reports, internet, meetings, etc.

2.3. Overview of the national stakeholders of the ICT sector



3. Links between national stakeholders and standards watch results

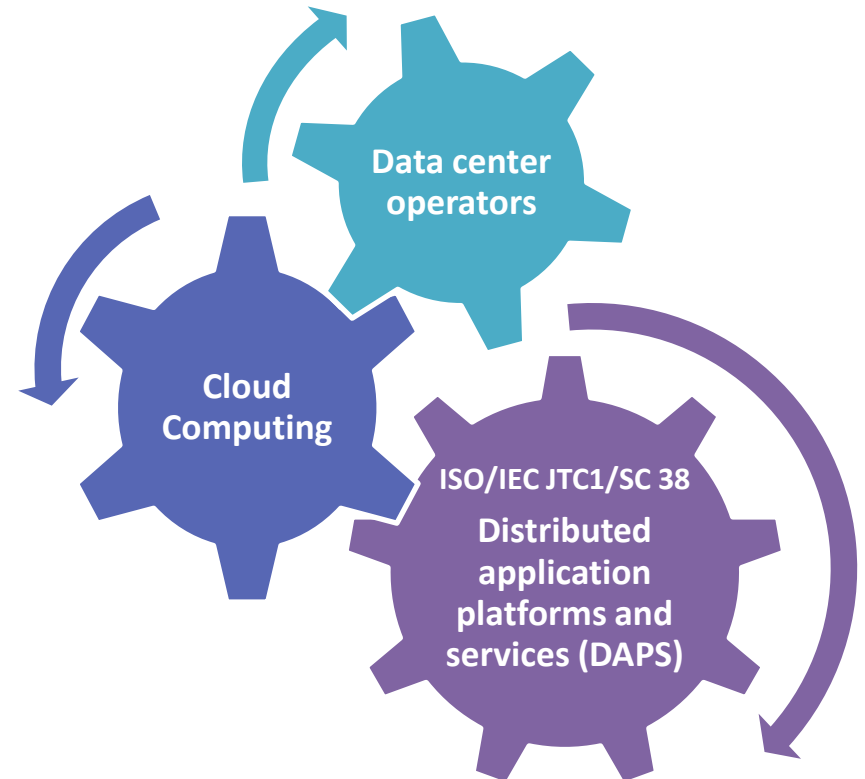
3.1. Objective

- ▶ Provide links between the stakeholder categories and the ICT subsectors as they were defined in the initial stage of the standards watch

3.2. Methodology

Potential interests

- ▶ Details of the different potential interests in each subsector



◆ Information:

- ↳ Learn about standards developments

■ Performance:

- ↳ Increase performance (networking/benchmarking)

❖ Services:

- ↳ Develop new services

▣ Projects:

- ↳ Follow or participate in research projects

● Training:

- ↳ Update or develop training sessions

\$ Investments:

- ↳ Invest in a new technology

3.3. Results

- ▶ Results are presented through:
 - a specific matrix for each stakeholder category (as presented below)
 - a final matrix with all stakeholder categories

Example of a specific matrix:

Stakeholders	Cloud Computing	Data Center	Telecommunications	Security	Software and System Engineering	Data Management	Electronic Signature	E-Archiving
Information	X	X	X	X	X	X	X	X
Performance	X	X	X	X	X	X	X	X
Services								
Projects	X	X	X	X	X	X	X	X
Training								
Investments								

Exemple: matrix of all potential interests shared between the national stakeholders


Subsectors Stakeholders	Cloud Computing	Data Center	Telecommunications	Security
Public institutions	◆■□\$	◆□\$	◆■□\$	◆■❖□○\$
Federations & Associations	◆■□○	◆■□○	◆■□○	◆■□○
Teachers & Trainers	◆○	◆○	◆○	◆○
Researchers	◆❖□○\$	◆❖□○\$	◆❖□○\$	◆■❖□○\$
Investors	◆■\$	◆■\$	◆■\$	◆■\$
Conformity Assessment Bodies	◆❖○	◆❖○	◆❖○	◆❖○
Development and Integration Companies	◆■❖□○	◆■❖□○	◆■❖□○	◆■❖□○
Consulting Companies	◆■❖□○	◆■❖□○	◆■❖□○	◆■❖□○
Data Center Operators	◆■❖□\$	◆■❖□\$	◆■\$	◆■
Network and Telecommunications Companies	◆❖\$	◆■❖□	◆■❖□\$	◆■□
Service Providers	◆■❖□\$	◆■❖□\$	◆■❖□\$	◆■❖□\$
Customers & Consumers Representatives	◆■\$	◆	◆■	◆■

◆ Information ■ Performance ❖ Services □ Projects ○ Training \$ Investments

4. Focus on ICT *fora/consortia* and economic intersectoral approach

- ▶ Much of the key standardization activity in ICT is carried out by *industry consortia* rather than in formal standards organizations
- ▶ *Survey of fora/consortia* considered as the most relevant for the current national market
- ▶ 13 *fora/consortia* selected:

- ITU-T
- OGF
- IETF
- TOG
- W3C
- SNIA
- IEEE-SA
- TCG
- DMTF
- UPnP Forum
- Ecma
- International
- OASIS
- OMG

General information			
Forum / Consortium		Title	
Creation date		MEMBERS 	
Chairperson			
Involvement of Luxembourg			
Web site			
Scope			
Executive summary			
Structure			
Standardization work			
Published standards			
Standards under development			

5. Presentation of opportunities for the national market

To summarize, opportunities identified for the national market related to the standardization activities of the ICT sector are:

- Strengthening of the ISO/IEC JTC1 national forum as an information network about ICT standardization
- Promotion and support of the involvement of national delegates as editor of European or International standards
- Following of the standardization work performed in ICT *fora/consortia*
- Involvement at the strategic level of ICT standardization
- Supporting national delegates involved in standardization
- Providing services in relation to standards evolutions
- Following research projects involving standardization
- Strengthen the existing training offers for the sector
- Strengthen the image of Luxembourg in the standardization landscape

- ▶ At the national level, the ICT sector is already an active standardization sector with currently **45 national delegates**

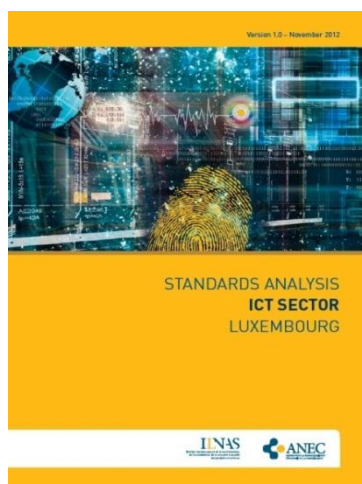


- **CEN/TC 224**
 - Mr. Benoit POLETTI
- **CEN/TC 278**
 - Mr. Georges SIMON
- **CEN/TC 310**
 - Mr. Yannick NAUDET
- **CEN/TC 353**
 - Mr. Stéphane JACQUEMART

- **ISO/TC 46**
 - Mr. Lucas COLET
 - Mr. Xavier LISOIR
 - Mr. Serge RAUCQ
 - Mr. Alain WAHL
 - Ms. Nadine ZEIEN
 - Mr. Joël THILL
 - Ms. Sylvie FORASTIER

- **ISO/IEC JTC 1**
 - Mr. Jean-Philippe HUMBERT
 - Mr. Nicolas DOMENJOUR
- **ISO/IEC JTC 1/WG7**
 - Mr. Reza RAZAVI
- **ISO/IEC JTC 1/SC6**
 - Mr. Pierre-Emmanuel LE LAY
- **ISO/IEC JTC 1/SC7**
 - Ms. Beatrix BARAFORT
 - Mr. Alain RENAULT
 - Mr. Stéphane CORTINA
 - Mr. Christophe FELTUS
 - Ms. Séverine MIGNON
 - Mr. Michel PICARD
 - Mr. Fabian HEUSKIN
 - Mr. Christophe RECEVEUR
 - Mr. Rudolphe HILBERT
 - Mr. Daniel MARNACH
 - Ms. Jeanette EWEN
 - Mr. Dietmar GEHRING
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 - Mr. Jérémy THIMONT
 - Mr. Sébastien POGGI
 - Mr. Nicolas MAYER
 - Mr. Olivier ANTOINE
 - Ms. Bérengère BROUTIN
 - Mr. Christophe ADJONIK
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 - Mr. Matthieu AUBIGNY
 - Mr. Daniel MARNACH
 - Mr. Christophe BURTIN
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 - Ms. Myriam DJEROUNI
 - Mr. Michael HOFMANN
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 - Mr. Patrick PLICHART
 - Ms. Valérie MAURER
 - Mr. Philippe PELLETIER
 - MS. Marie-Rose DECKER
- **ISO/IEC JTC 1/SC38**
 - Mr. Jürgen BLUM
 - Ms. Myriam DJEROUNI

SAVE THE DATE




- A new version of the Standard Analysis - ICT Sector will be published for our participation at the next ICT Spring (June 19-20, 2013)



Thank you for your attention

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