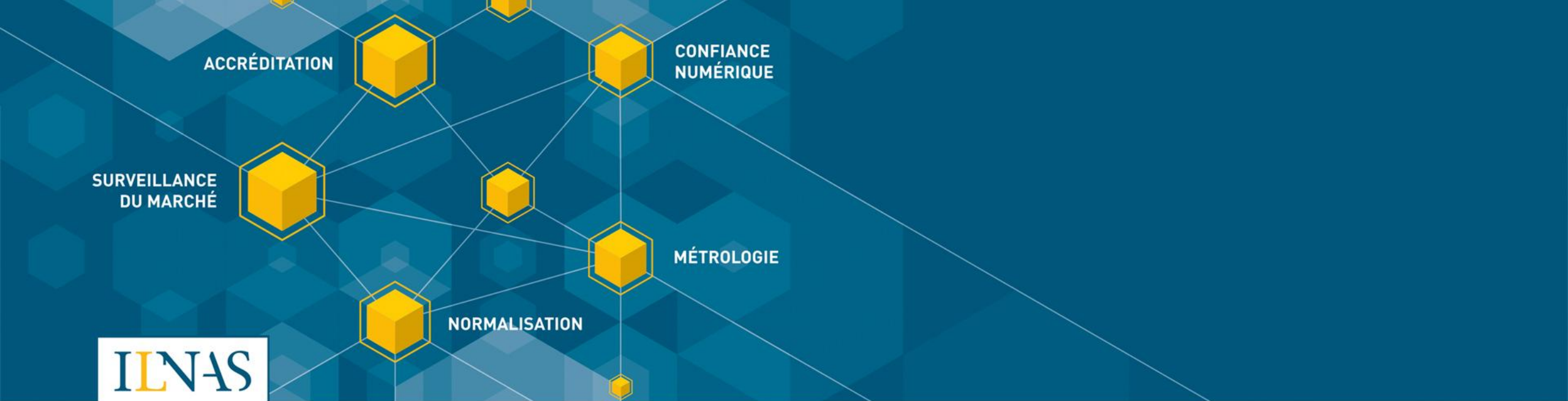




ILNAS Breakfast

“One company's journey in applying and shaping technical standards”

Introduction

27th November 2025

Dr. Jean-Philippe Humbert
Deputy Director - ILNAS



I - PRESENTATION OF ILNAS & ANEC EIG

II - PRESENTATION OF THE NATIONAL STANDARDS BODY

III - PARTICIPATION IN TECHNICAL STANDARDIZATION

IV - EDUCATION ABOUT STANDARDIZATION & RESEARCH

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ILNAS

Public administration under the authority of the Minister of the Economy, SME, Energy and Tourism

Creation: Law of May 20, 2008

Legislation in force: amended Law of July 4, 2014 reorganizing ILNAS

Total staff: 64 (November 2025)

NATIONAL STANDARDS BODY (OLN)

- Total staff: 8
- Close collaboration with the E.I.G. ANEC-N





Economic Interest Group

Object: Promotion, awareness raising and training, applied research in the field of standardization and metrology in order to support companies' competitiveness in Luxembourg

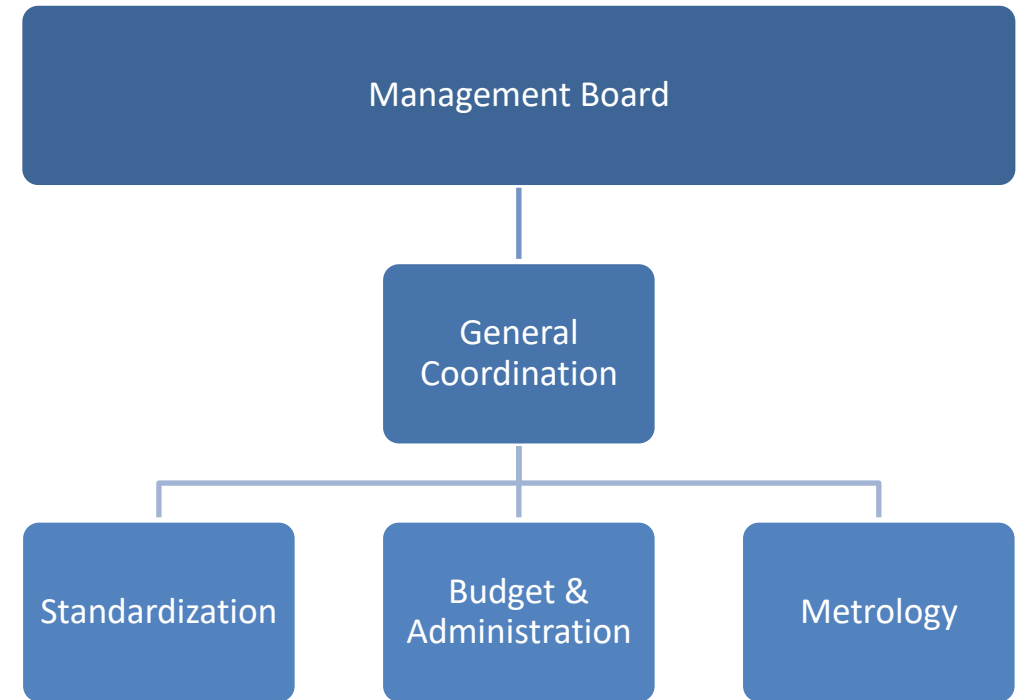
Creation: October 4, 2010

Total staff: 9 (November 2025)

Standardization department

- Total staff: 4

Partners:



→ Support for the implementation of the Luxembourg standardization and metrology strategies



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TECHNICAL STANDARDIZATION

"INCLUSIVE TOOL FOR PERFORMANCE AND EXCELLENCE TO SERVE THE ECONOMY"

PERFORMANCE

Pillar 1 – Use of relevant technical standards

Pillar 2 – Involvement in the standardization process

EXCELLENCE

Pillar 3 – Active participation of the NSB in the European and international standardization organizations

Pillar 4 – Development of research and education about standardization

3 GROWTH SECTORS IDENTIFIED



2 RELEVANT DOMAINS



“Foster and strengthen the national ICT sector involvement in standardization work”

1

Promoting ICT technical standardization to the market

2

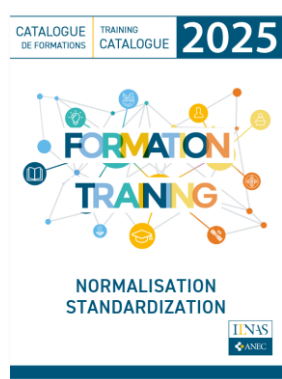
Reinforcing the valorization and the involvement regarding ICT technical standardization

3

Supporting and strengthening the Education about Standardization and the related research activities



All policies are based on similar lead projects – They will be updated by the end of the year, for the period 2026-2030



TRAINING CATALOGUE

10 trainings/awareness sessions covering the growth sectors

3 “general” trainings on standardization



TECHNICAL STANDARDIZATION DATA SHEETS

11 for the [ICT sector](#)

7 for the [construction sector](#)

9 for the [sustainability domain](#)



STANDARDS ANALYSES

[ICT sector](#) (April 2025)

[Construction sector](#) (August 2025)

[Aerospace sector](#) (July 2024)



ILNAS E-SHOP

→ Over 200'000 standards available at competitive prices

2024: new notification system in the ILNAS e-shop to implement your own standards watch

Reading stations to consult standards for free



EXAMPLES OF RECENT NATIONAL COMMITTEES



NATIONAL COMMITTEE ILNAS/TC 108

Telecommunications – Vertical cabling techniques in residential and mixed-use buildings



NATIONAL COMMITTEE ILNAS/TC 109

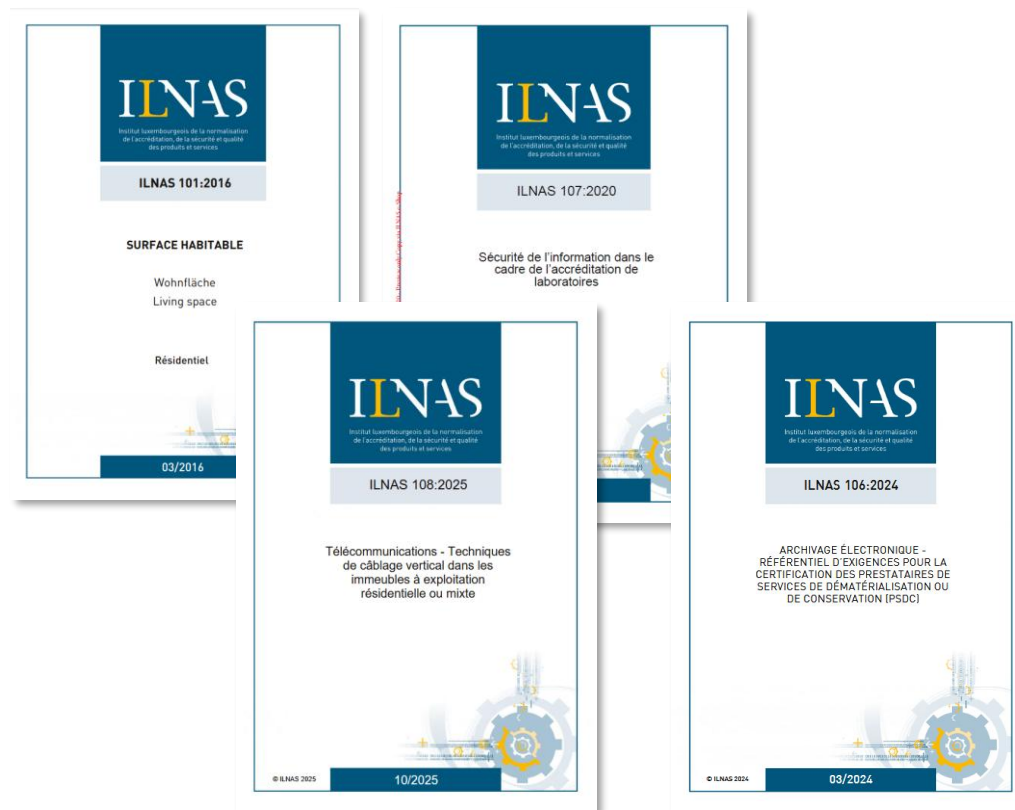
National standard in the field of geotechnics



NATIONAL COMMITTEE ILNAS/TC 110

National Annex to the standard EN 1916 “Concrete pipes and fittings, unreinforced, steel fibre and reinforced”

EXAMPLES OF PUBLISHED NATIONAL STANDARDS



PARTICIPATION IN NATIONAL, EUROPEAN AND INTERNATIONAL STANDARDIZATION PROJECTS

ILNAS



CENELEC



WHO CAN PARTICIPATE?

- Every socio-economic actor in Luxembourg with a certain expertise

WHAT ARE THE COSTS ?

- Participation is free of charge

Privileged
access to draft
standards

Opportunity to
make comments
and votes

Belonging to a
network of
experts

Registre national des délégués en normalisation - Novembre 2025

Nombre d'inscriptions aux comités techniques :

ILNAS/DIN	160
CEN	284
CENELEC	10
CEN/CLC	45
CEN/CLC/ETSI	2
ECSS	0
ISO/IEC	215
ISO	262
IEC	9
Total	990

Nombre de personnes inscrites : 341

ILNAS

1, av du Swing - L-4367 Belvaux - Tél. : (+352) 24 77 43 40 - Fax : (+352) 24 79 43 40 - Email : normalisation@ilnas.etat.lu - www.portail-qualite.lu

Version 24 novembre 2025

Approuvé par ILNAS (02/02/2025)



341 national delegates in standardization
990 registrations in technical committees in total

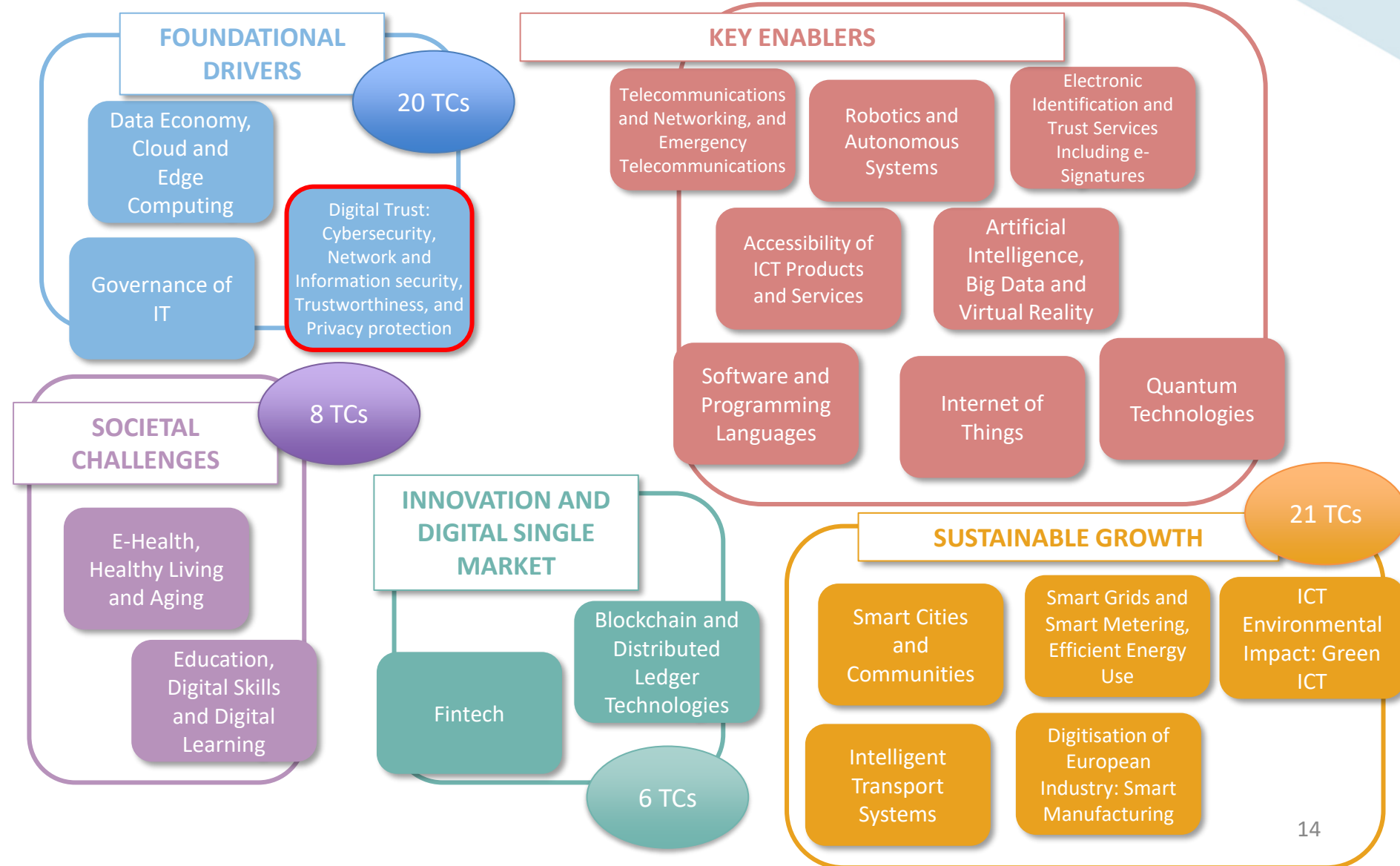
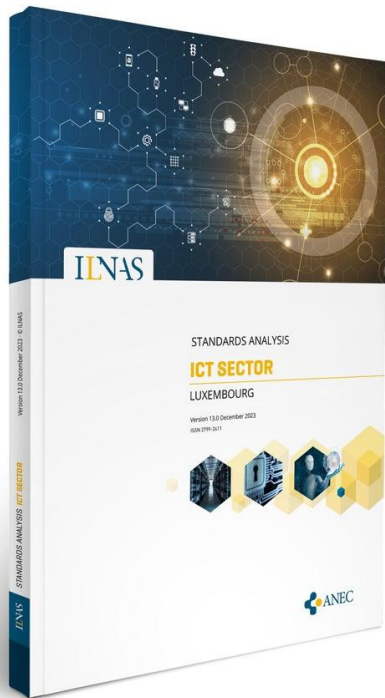
2025

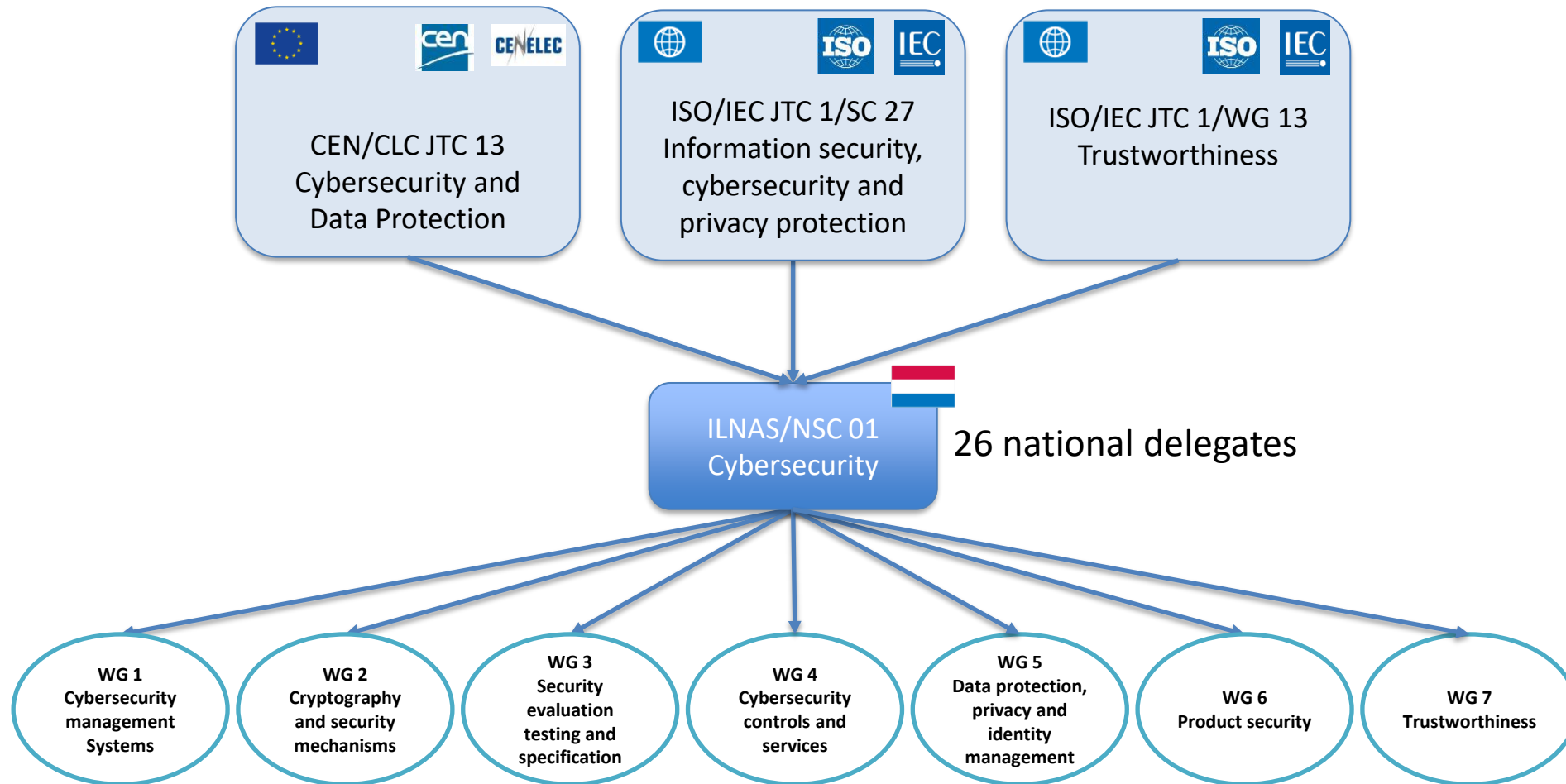
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ILNAS/NSC 03 – Quantum Technologies (7 national delegates)

IEC/ISO JTC 3
CEN/CLC JTC 22



ILNAS/NSC 04 – Artificial Intelligence (25 national delegates)

ISO/IEC JTC 1/SC 42
CEN/CLC JTC 21



ILNAS/NSC 05 – Cloud and Data (6 national delegates)

ISO/IEC JTC 1/SC 38
CEN/CLC JTC 25

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The Smart-ICT Team

Nader Samir
- PhD Candidate
- Since 1.10.2017
- Industrial experience in UAV's

Prof. Pascal Bouvry
- Principal Investigator
- Project coordination
- PhD supervision

Saharnaz Dilmaghani
- PhD Candidate
- Since 01.03.2018
- Standardization experience

Chao Liu
- PhD Candidate
- Since 15.10.2017
- Cloud Computing

Matthias Brust
- Postdoc
- Project support

Swarms of Nano-satellites
Mr. Mario Hartmann

Satellite Images Data Marketplace
Mr. Manuel Combarro Simon

Building Information Modelling (BIM) and its integration with Artificial Intelligence (AI)
Mr. Heidekin Houtan



Artificial Intelligence



Sustainable Development



Quantum Technologies



People-centered-design
Resistance to natural disasters



Aerospace



2010



First national standardization strategy (2010-2020)

One pillar dedicated to Education about Standardization
"University training curricula in standardization will be specifically produced, in collaboration with the University of Luxembourg"

2015



University Certificate degree
"Smart ICT for Business Innovation"
(2015-2019)



2017



First research program "Technical Standardisation for Trusted Use in the Field of Smart ICT" (2017-2020)

2021



Second research program "Technical Standardisation for Trustworthy ICT, Aerospace, and Construction" (2021-2024)

2021



University Master degree
"Technopreneurship: mastering smart ICT, standardisation and digital trust for enabling next generation of ICT solutions" (2021-...)

PROGRAMME

STANDARDISATION	ECTS
Smart Secure ICT and Innovation	1
Technical Standardisation	3
TOTAL	4

SMART ICT	ECTS
Smart ICT Technologies I	5
Smart ICT Technologies II	5
TOTAL	10

DIGITAL TRUST FOR SMART ICT	ECTS
Security for Smart ICT I	2
Security for Smart ICT II	3
Trust Architectures for Smart ICT	4
TOTAL	9

TECHNOPRENEURSHIP	ECTS
Management of Business and Technical Innovation	3
Digital Intelligence	2
Legal Aspects	2
TOTAL	7

MASTER THESIS	ECTS
Master Thesis	30
TOTAL	50



ILNAS IN COLLABORATION WITH THE UNIVERSITY OF LUXEMBOURG AND THE CHAMBER OF EMPLOYEES

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TOTAL	30

332 hours
of teaching

2 years
lifelong-
learning

60 ECTS

Internship
(750 hours)

11
Modules

*** EDITION 1**
2021-2023
9 STUDENTS
9 GRADUATED

*** EDITION 2**
2023-2025
10 STUDENTS
10 GRADUATED

*** EDITION 3**
2024-2026
7 STUDENTS



With the support of:



THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy



A faint, stylized lightbulb icon with several short lines radiating from the top, symbolizing an idea or innovation.

- **Continuous improvement of the program**

- ✓ To follow the ICT evolution (e.g.: quantum computing, high performance computing)
- ✓ To include most recent standardization developments
- ✓ To better address the constraints of a lifelong-learning program with employed students (based on feedback from students)

- **Next edition of the Master MTECH: September 2026**

- ✓ Admissions: 1st February 2026 – 30th June 2026
- ✓ Applications by email: mtech@uni.lu
- ✓ More information: <https://www.uni.lu/fstm-en/study-programs/master-in-technopreneurship/>



ILNAS

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