

ACCREDITATION

CONFIANCE
NUMÉRIQUE

SURVEILLANCE
DU MARCHÉ

MÉTROLOGIE

NORMALISATION

ILNAS

Welcome
Bienvenue
Willkommen

Digital Trust Department

Trust Services, Electronic Archiving &
Cybersecurity Certification

Alain Wahl

6.10.2022 · 7.10.2022



I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

III Electronic Archiving

- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation

I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

III Electronic Archiving

- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation

- **National supervisory body for**
 - Trust service providers
 - Digitisation or e-archiving service providers (PSDCs – « Prestataires de Services de Dématérialisation ou de Conservation »)
- **Management and publication of Luxembourg's trusted list**
- **Member of the European Cybersecurity Certification Group ('ECCG') and National cybersecurity certification authority ('NCCA')**
- **Promotion of good practices**
- **National participant in the *European Multistakeholder platform on ICT Standardisation***

For more information:

- ☐ News and newsletters
- ☐ DLH trainings, Master in Technopreneurship
- ☐ The electronic archiving framework in Luxembourg
- ☐ Trust services under the eIDAS regulation
- ☐ <https://portail-qualite.public.lu>



Strengthen the national and EU Single Market by boosting TRUST and CONVENIENCE in secure and seamless cross-border electronic transactions.

Trust services

Ensure a level playing field for the security of trust services

- Contributing to the protection of users
- Contributing to the functioning of the EU internal market (Recital (36) eIDAS Regulation)

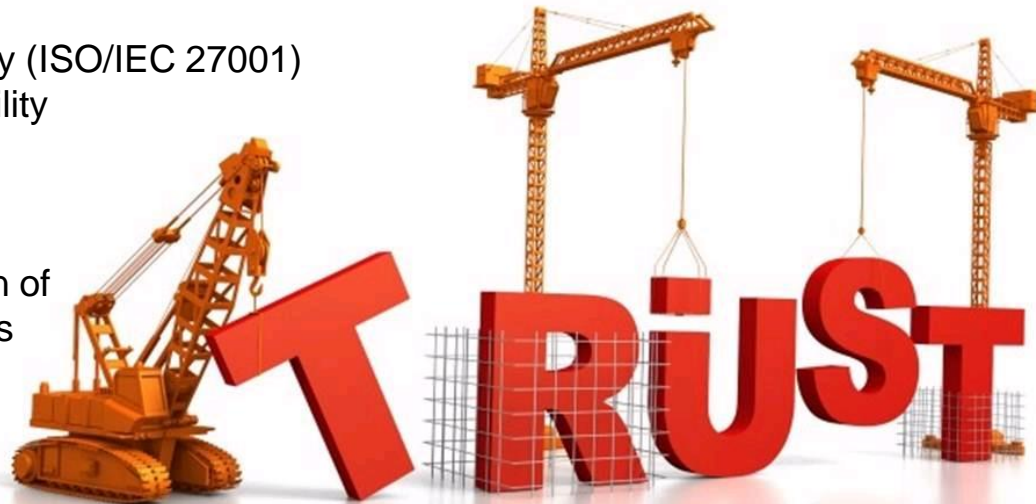
E-archiving services

Guarantee that the dematerialization and preservation process of documents meets specific technical and organizational requirements based on ISO/IEC 27001

- Ensure confidentiality, integrity, availability (ISO/IEC 27001)
- Authenticity, trustworthiness, and operability for digitized or preserved documents

Cybersecurity certification

Ensure a level playing field for the certification of ICT products, ICT services and ICT processes



I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

III Electronic Archiving

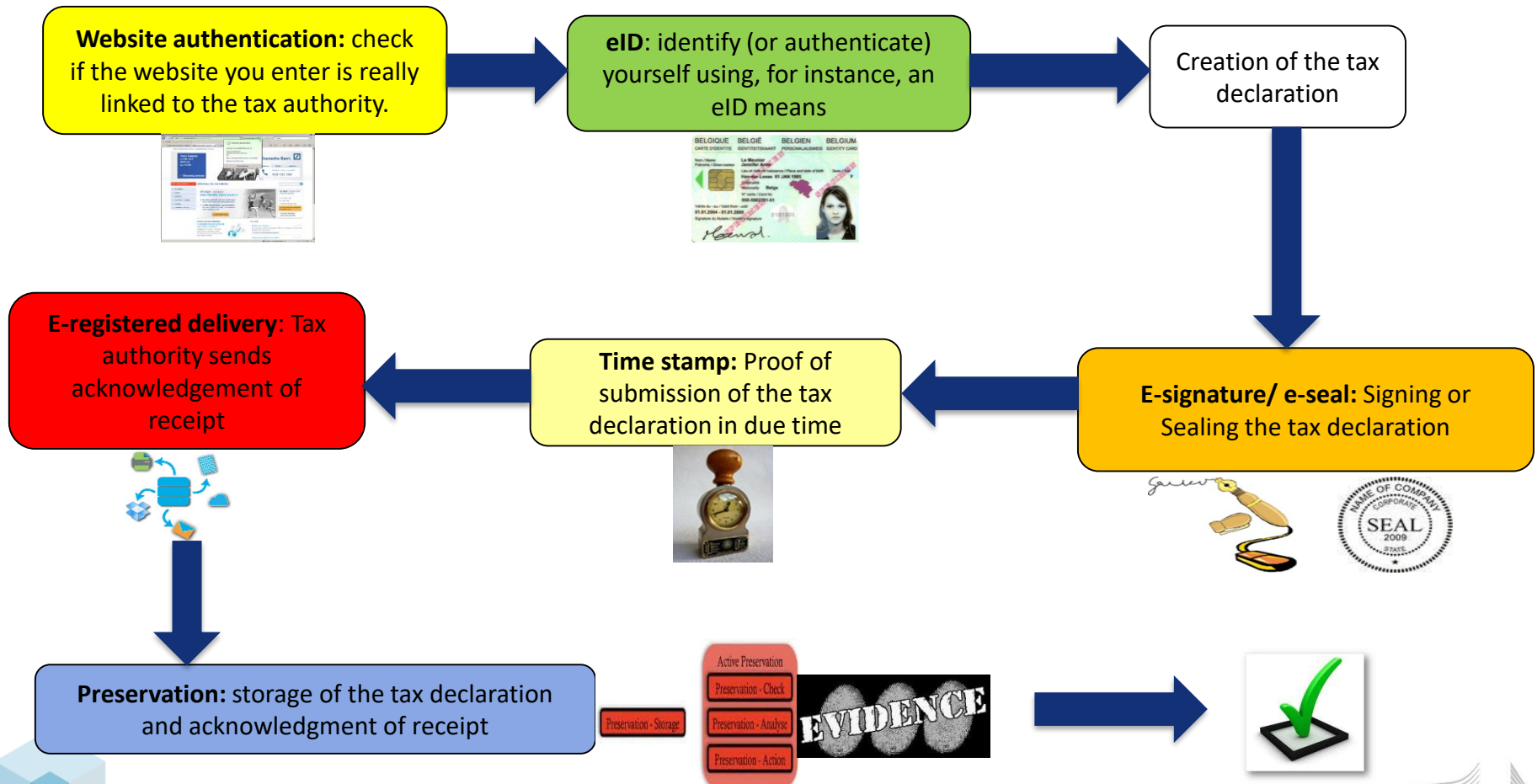
- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation

A – USE CASE: SUBMITTING A TAX DECLARATION



Electronic signatures

- Different categories of electronic signatures

- **Electronic signature**

- **Advanced electronic signature:**

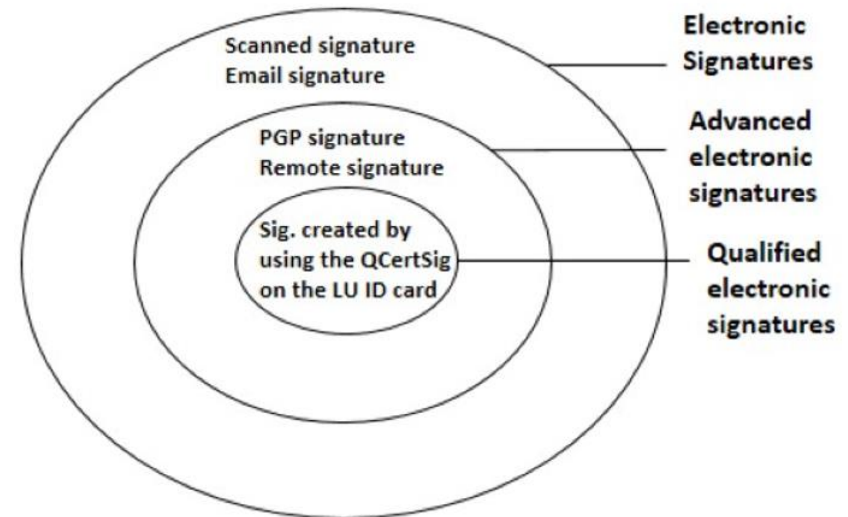
- ✓ uniquely linked to the signatory;
 - ✓ capable of identifying the signatory;
 - ✓ created using electronic signature creation data

that the signatory can, *with a high level of confidence*, use under his sole control; and

- ✓ it is linked to the data signed therewith in such a way that any subsequent change in the data is detectable.

- **Qualified electronic signature:** an **advanced electronic signature** that is

- ✓ created by a **qualified signature creation device** (QSigCD)
 - ✓ based on a **qualified certificate for electronic signatures** (QCertSig)



Electronic signatures:

- Non-discrimination principle for **electronic signatures**
(Art. 25(1) eIDAS)

**Qualified electronic signatures:**

- A **qualified electronic signature** has the **equivalent legal effect of a handwritten signature**
(Art. 25(2) eIDAS)
- **Qualified electronic signatures** based on qualified certificates for electronic signatures issued in one EU Member State are **recognised** as qualified electronic signatures **in all other EU Member States** (Art. 25(3) eIDAS)

Electronic identification and trust services including e-signatures

- Use Case: ETSI TS 119 621 – Electronic Signatures and Infrastructures (ESI); Trusted Lists

A-n563 du 14 juin 2017 - RGD art. 4(1) loi archivage élect. - modification (002).pdf - Adobe Acrobat Pro DC

File Edit View Window Help

Home Tools A-n563 du 14 juin ... x

Save Print Email Find Up Down 1 / 54 Mouse Hand Zoom 40.4% Rotate Crop Lock Comment Sign

Signed and all signatures are valid. Signature Panel

Signatures

Validate All

Rev. 1: Signed by Ministère d'Etat

Signature is valid:

Source of Trust obtained from European Union Trusted Lists (EUTL):

- Document has not been modified since this signature was applied
- Signer's identity is valid
- The signature includes an embedded timestamp.
- Signature is LTV enabled

Signature Details

- Certificate Details...
- Last Checked: 2017.06.21 15:03:32 +02'00'
- Field: Signature1 (invisible signature)

JOURNAL OFFICIEL
DU GRAND-DUCHÉ DE LUXEMBOURG

MÉMORIAL A
N° 563 du 14 juin 2017

Règlement grand-ducal du 22 mai 2017 modifiant le règlement grand-ducal du 25 juillet 2015 portant exécution de l'article 4, paragraphe 1^{er}, de la loi du 25 juillet 2015 relative à l'archivage électronique.

Nous Henri, Grand-Duc de Luxembourg, Duc de Nassau,
Vu la loi du 25 juillet 2015 relative à l'archivage électronique et notamment son article 4, paragraphe 1^{er};
Vu les avis de la Chambre de commerce et de la Chambre des métiers;
Notre Conseil d'État entendu;
Sur le rapport de Notre Ministre de l'Économie et après délibération du Gouvernement en conseil;

Arrêtons:































Art. 1^{er}.
L'annexe du règlement grand-ducal du 25 juillet 2015 portant exécution de l'article 4, paragraphe 1^{er}, de la loi du 25 juillet 2015 relative à l'archivage électronique est remplacée par l'annexe jointe au présent règlement grand-ducal.

Art. 2.
Notre Ministre de l'Économie est chargé de l'exécution du présent règlement qui sera publié au Journal officiel du Grand-Duché de Luxembourg.


Le Ministre de l'Économie,
Étienne Schneider

Palais de Luxembourg, le 22 mai 2017.
Henri

<https://esignature.ec.europa.eu/efda/tl-browser/#/screen/home>

 Austria Issue date 2022-08-11	...	 Belgium Issue date 2022-09-08	...	 Bulgaria Issue date 2022-06-30	...
 Croatia Issue date 2022-06-15	...	 Cyprus Issue date 2022-09-02	...	 Czech Republic Issue date 2022-09-23	...
 Denmark Issue date 2022-08-16	...	 Estonia Issue date 2022-09-14	...	 Finland Issue date 2022-05-25	...
 France Issue date 2022-08-04	...	 Germany Issue date 2022-09-08	...	 Greece Issue date 2022-09-26	...
 Hungary Issue date 2022-09-16	...	 Iceland Issue date 2022-04-25	...	 Ireland Issue date 2022-04-26	...
 Italy Issue date 2022-07-26	...	 Latvia Issue date 2022-05-24	...	 Liechtenstein Issue date 2022-04-25	...
 Lithuania Issue date 2022-07-01	...	 Luxembourg Issue date 2022-04-21	...	 Malta Issue date 2022-08-25	...
 Netherlands Issue date 2022-06-02	...	 Norway Issue date 2022-06-28	...	 Poland Issue date 2022-09-20	...
 Portugal Issue date 2022-09-12	...	 Romania Issue date 2022-09-08	...	 Slovakia Issue date 2022-08-11	...
 Slovenia Issue date 2022-06-28	...	 Spain Issue date 2022-09-13	...	 Sweden Issue date 2022-05-30	...

 **European Union**
Issue date 2022-09-23

 **United Kingdom**
Issue date 2020-12-31

Last known version of the TL of UK published just before leaving the eIDAS TLs Scheme

Last known version of the trusted list of UK published just before leaving the eIDAS Trusted Lists Scheme as described in <http://uri.etsi.org/TrstSvc/TrustedList/schemerules/EUcommon/>. This trusted list is displayed here for the sole purpose of the verification of the outputs of qualified trust services (e.g. qualified electronic signatures) that were created before that moment.

I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

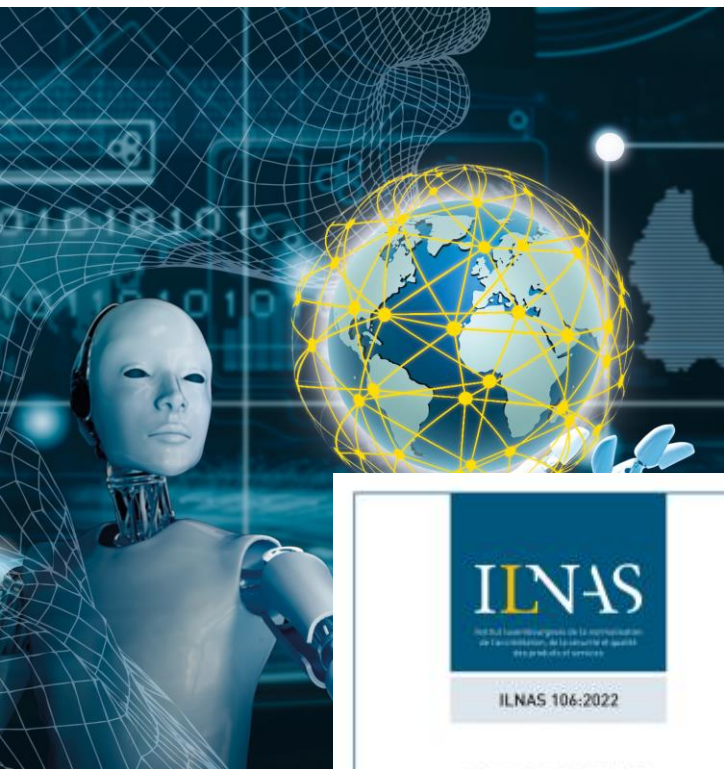
III Electronic Archiving

- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation



Electronic archiving

- Goal

preserve **integrity, confidentiality, availability** of digital documents over extended periods of time

- Legal value of electronic documents:

Law of 25 July 2015 on electronic archiving

- Revolutionary aspect of the e-archiving framework in Luxembourg

digitization of analog documents, preserving the probative value

Objectives of the law

- Legal framework for digitization and e-archiving services;
- Rules for service providers who request the “**PSDC**” **status** (digitization and e-archiving service provider)

About the legal value of electronic copies

- Electronic copies **digitised by a PSDC** ➡ **Presumption of conformity** with the original document
- An electronic copy cannot be rejected by a judge
 - because of its electronic format (cf. eIDAS)
 - because it has not been created by a PSDC

Lab Luxembourg S.A. 3, rue Dr. Elvire Engel L-8346 Grass	2016/9/001 (Historique)	Dématérialisation & Conservation
Numen Europe S.A. 2, rue Edmond Reuter L-5326 Contern	2016/9/002 (Historique)	Dématérialisation & Conservation
Syndicat Intercommunal de Gestion Informatique 11, rue Edmond Reuter L-5326 Contern	2017/9/005 (Historique)	Conservation
KPMG Services S.à.r.l. 39, avenue John F. Kennedy L-1855 Luxembourg	2017/9/004 (Historique)	Dématérialisation & Conservation
Centre des technologies de l'information de l'Etat 560, rue de Neudorf L-2220 Luxembourg	2017/9/006 (Historique)	Conservation

I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

III Electronic Archiving

- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation

Regulation (EU) 2019/881 of the European Parliament and of the Council of 17 April 2019 on ENISA (the European Union Agency for Cybersecurity) and on information and communications technology cybersecurity certification

- National cybersecurity certification authority ('NCCA')
 - supervise and enforce rules included in European cybersecurity certification schemes
- Member of the European Cybersecurity Certification Group ('ECCG')
 - to advise and assist the Commission in its work;
 - to assist, advise and cooperate with ENISA in relation to the preparation of a candidate scheme



I Digital Trust Department

- Mission
- Objective

II Trust Services

- eIDAS regulation
- Use cases

III Electronic Archiving

- National law of 25 July on electronic archiving
- Technical regulation for PSDCs

IV Cybersecurity Certification

- Mission

V ICT Standardisation

Expert group on all matters related to European ICT standardization, set up in November 2011 (Commission Decision of 28 November 2011, *OJ C 349, 30.11.2011, p. 4–6*)

Tasks

- Advise the European Commission on all matters related to European ICT standardisation policy and its implementation
- Identify potential future ICT standardisation needs in support of European legislation and policies;

Members

- National authorities from EU Member States & EFTA countries
 - **ILNAS is a member of the MSP**
- European and international ICT standardisation bodies (e.g., CEN, ETSI, ITU, ISO)
- Stakeholder organisations that represent industry, SMEs and consumers

Rolling Plan for ICT Standardisation

- Overview of standardisation activities in the field of ICT **linked to EU legislation and EU policies** (e.g., cybersecurity, cloud computing, big data, internet of things, eHealth, electronic identification and trust services, Blockchain and DLT)
- Published by the European Commission (every year)





Thank you
Merci
Danke

ILNAS

Southlane Tower I · 1, avenue du Swing · L-4367 Belvaux

Tel. : (+352) 24 77 43 53 · Fax : (+352) 24 79 43 - 50

E-mail : alain.wahl@ilnas.etat.lu

www.portail-qualite.lu