



# Organisational Identities

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Online

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# AGENDA

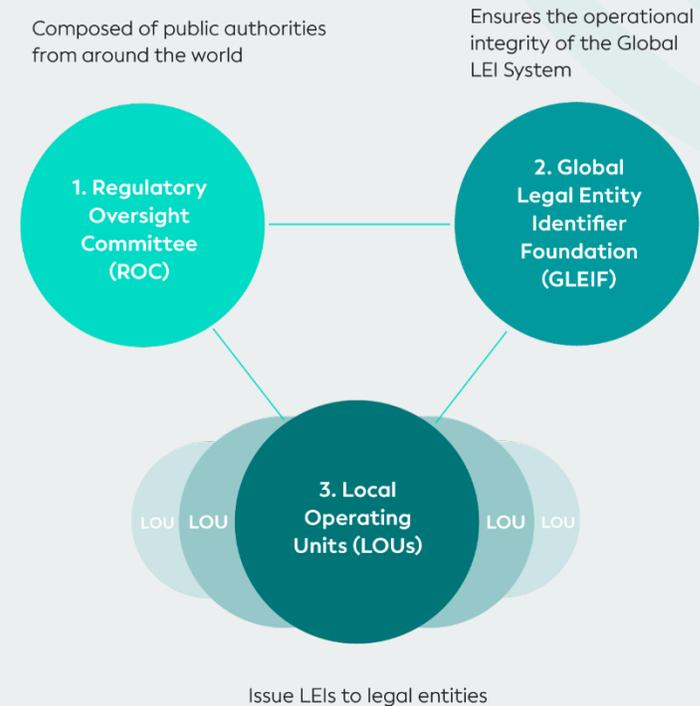
1. Who is GLEIF
2. Organizational Identity LEI
3. LEI in eIDAS
4. Use Case: EBA pilot
5. Business Opportunities for CA/TSPs
6. Call to action



# Who is Global Legal Entity Identifier Foundation (GLEIF)

- GLEIF is a not-for-profit Swiss foundation, founded by the Financial Stability Board (FSB).
- GLEIF is overseen by the [Regulatory Oversight Committee \(ROC\)](#) with
  - **70 regulators** and
  - **19 observers**
  - from **50 countries**
- GLEIF Board has **17 independent directors**
- **38 accredited Partners** for LEI issuing (**LOUs**) and growing
- **> 2,7 million issued LEIs** (approximately 1,4 million in EU) as of today, available as open data without IP or copyright protection.

The Financial Stability Board (FSB) and the Group of Twenty (G20) have endorsed the LEI, Global LEI System and GLEIF.



# The Regulatory Oversight Committee (ROC) – EU members



De Nederlandsche Bank



# LEI Issuers (LOUs) – domiciled in EU



Institut national de la statistique  
et des études économiques

Mesurer pour comprendre



# What is organizational Identity

## The LEI

- 20-digit alphanumeric **code**  
(Example: 506700GE1G29325QX363)
- Connects to key **reference data**  
(Name(s), address(es), other identifiers)
- Provides **identity** – no more, no less

## The verifiable LEI (vLEI)

- Always **includes an LEI**
- Can in addition identify **persons in roles** connected to an **organization**
- Provides **authentication** and other digital features (**digital signatures**)

506700GE1G29325QX363



# Introducing current state of LEI in eIDAS and legislative evolution of eIDAS

- **LEI is already present in eIDAS 1.0**

- The LEI is mentioned in the implementing act (EU) 2015/1501 of 8 September 2015.
- Document 2015/1501 - defines minimum data set for natural persons and legal persons including **LEI as an optional attribute**.
- The LEI is also referenced in the European standard ETSI EN 319 412-1

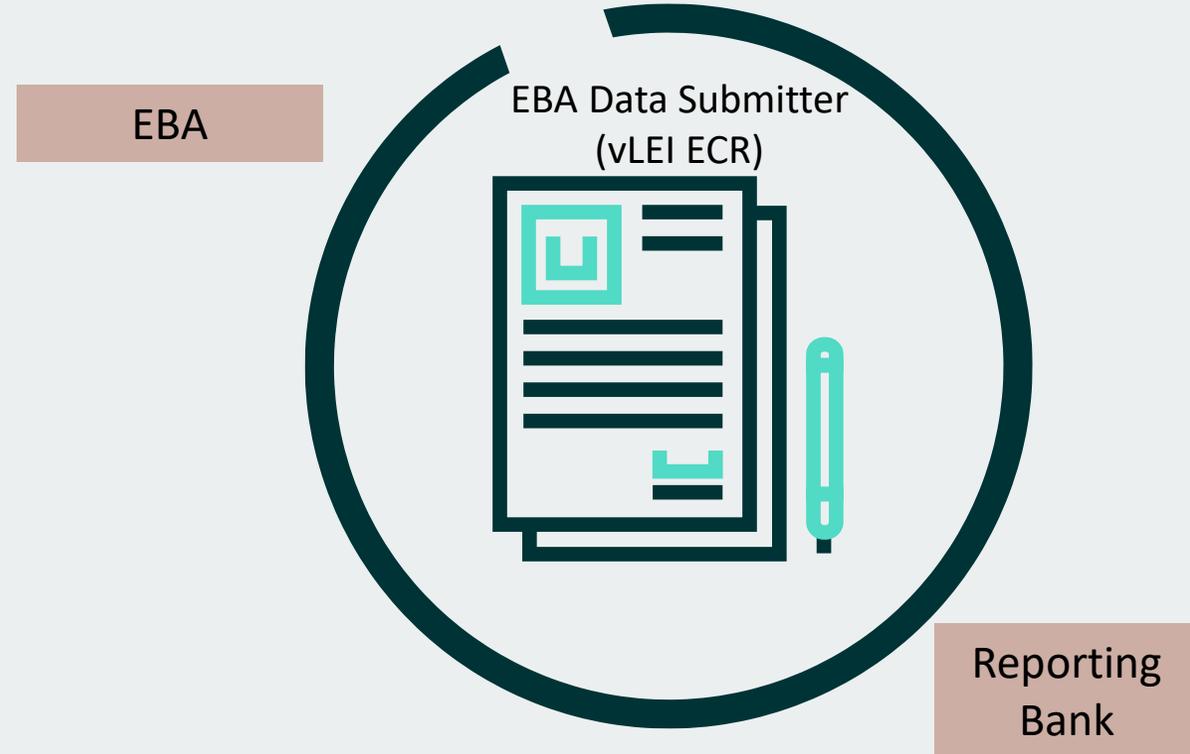
- **eIDAS 2.0:**

- The revised eIDAS 2.0 introduces a European Digital Identity Wallet (EUDIW) with enhanced features enabling electronic and trusted identification of citizens and **legal entities** in a cross-border way.
- PID - personal identification data - is introduced for natural and legal persons
- (Qualified) Electronic Attestations will enable the further means to share documents digitally and proof certain rights and permissions of natural persons and legal entities.
- A **common architecture for the EUDIW** shall ensure interoperable identification of citizens and legal entities across member states.

# The verifiable LEI (vLEI) Ecosystem

## Example use case: Pillar 3 reporting to the European Banking Authority

- EBA has secured the participation of 17 banks for a pilot
- Upon conclusion of a successful pilot:
  - EBA would announce its decision to use the vLEI for Pillar 3 reporting
  - Implement Pillar 3 reporting for the total 600 banks reporting entities and plan to migrate other EBA reporting frameworks to use vLEIs for the identification, authentication, authorization, security and management of users in charge of submitting these frameworks



# Business Opportunities for CAs/TSPs as QVIs - Qualified vLEI Issuers

**Income opportunities at the discretion of the QVI**

## **vLEI life cycle maintenance**

Issuance, verification and/or revocation of vLEI credentials

## **Paid value-added services for vLEI**

E.g., e-Wallet management, embedding vLEIs in other products and services

## **Professional services for credentials and self-sovereign identity needs**

vLEIs as cloud service increases customer retention and growth

## Connect with us – Call to Action

- A digital, inclusive and globally interoperable ecosystem for EU businesses requires a **globally recognized and trusted organisational identity**.
- The LEI is a globally accepted and widely used unique identifier for companies that is considered in European standardization (ETSI EN 319 412-1).
- The vLEI is an advanced development to have an automated digital verifiable company credential. It can become an EAA for the EUDIW.
- GLEIF will actively contribute to European standardization to achieve a solution for organizational identities, that is globally usable and accepted.
- **CA/TSPs can join our vLEI program:**  
<https://www.gleif.org/en/vlei/introducing-the-verifiable-lei-vlei>



## Connect with us – Call to Action

- **GLEIF can actively contribute to European standardization to achieve a solution for organizational identities, that is globally usable and accepted.**
- **Call to Action to CA/TSPs to join our vLEI program**
- vLEI and QVI program information: <https://www.gleif.org/en/vlei/introducing-the-verifiable-lei-vlei>



## Limitations

- This presentation contains confidential and proprietary information and/or trade secrets of the Global Legal Entity Identifier Foundation (GLEIF) and/or its affiliates, and is not to be published, reproduced, copied, or disclosed without the express written consent of Global Legal Entity Identifier Foundation.
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## Appendix I - Advantages: of having LEI in the digital certificate:

- Includes and **extra layer of security** by embedding the global LEI code.
- Enable **end-to-end automation** from establishing the authenticity and integrity of the **email** account or **document** associated with the legal entity.
- Adding LEIs into digital certificates brings an additional trust proof, as the LEI is a globally secure mechanism that **provides reliable data** for company identity.
- Through LEI embedded digital certificates, legal entities can perform various corporate email digital **transactions** with an **extra layer of trust**.
- The company's data check can be **automated** and done consistently **regardless** of the **country** where the company is allocated and the language.
- Enhance Security and **brand protection**.
- The result is a reliable and robust validation of the company's data and people's identity acting on behalf of the company.
  - **LEI connects to key reference information** that enables clear and unique identification of legal entities participating in financial transactions. GLEIF makes the historical and current LEI records available via the **Global LEI Index**:
    - It is the only global online source that provides open, standardized and high-quality legal entity reference data. Any interested party can easily access and search the complete LEI data pool free of charge on the GLEIF website using the web-based LEI search tool developed by GLEIF or access records in bulk via full file download or API.

## Appendix II - LEI standards for embedding into Digital Certificates

- ISO Standard
- The [ISO 17442-2 standard](#) demonstrates the structure of the X.509 public key certificate with embedded LEI.
- **FIELD used:** within the Distinguished Name (DN) section it is used the
  - *LEI optional dedicated field*, (1.3.6.1.4.1.52266.1))
  - **Example:**
    - LEI:  
“254900OPPU84GM83MG36”
- **Caveats:** XG is the country identifier (within DN section); that it is set to XG when you type a LEI which is a global identifier.
- In this case is compliant with each national OID usage and parsers, and LEI is an extra identifier.

- ETSI standard

**ETSI** (a European Standards Organization) defines [ETSI is defining TS 119 412-1](#) how the LEI may be embedded in eIDAS compliant certificates.

- **FIELD used:** In the certificate within the Distinguished Name (DN) section it is used the Field object identifier – OID

Example with LEI code:

OID:

“254900OPPU84GM83MG36”

Example of national current usage:

OID: “VATES-B87985801”

- **Caveats:** this field is currently used to include national IDs; therefore OID parsing software should be aware to read the LEI instead of national ID.
- **This field must identify in a univocal way the legal entity.**

## Appendix III

- ETSI EN 319 412-1:
- ETSI EN 319 412-1 V1.5.1 (2023-09)
- Electronic Signatures and Infrastructures (ESI);
- Certificate Profiles; Part 1: Overview and common data structures  
see LEG-5.1.4-03:  
4) "**LEI**" for a global **Legal Entity Identifier** as specified in **ISO 17442** [4]. The 2 character ISO 3166-1 [2] country code shall be set to 'XG'.

# Appendix IV

## From the ARF for Natural Persons:

### 5.1.1.2 PID Attributes for Natural Persons

The below table provides an overview of mandatory and optional PID attributes for natural persons.

Mandatory PID Attributes	Optional PID Attributes
family_name	family_name_birth
given_name	given_name_birth
birth_date	birth_place
	resident_address
	gender
	age_over_18
	age_over_NN
	age_in_years

## Suggestion for Legal Entities:

Mandatory PID Attributes	Optional PID Attributes
id-etsi-qcs-SemanticsId-Legal	legal_name
	other_name(s)
	legal_address
	headquarters_address

