



LEI

GLOBAL
LEGAL
ENTITY
IDENTIFIER
FOUNDATION

Use case for certificates with embedded LEIs - current state and potential next steps

CA/B Forum Plenary Meeting

12 June 2019, Thessaloniki Greece

Stephan Wolf, CEO GLEIF

Global LEI Foundation (GLEIF)



- GLEIF is a Swiss foundation established on request of the G20 by the Financial Stability Board (FSB) in June 2014.
- GLEIF has the FSB mandate to develop and maintain for the broad public good a global LEI system that is to be used by the authorities of any jurisdiction and by the private sector.
- GLEIF is overseen by 71 regulators and 19 observers in the LEI Regulatory Oversight Committee (ROC) from 50 countries.
- GLEIF Board has 18 independent directors.



Budget 2019
12.6 US\$

Partners for LEI issuing (LOUs)
33, and growing

Number of employees
40 from 24 countries

Issued LEIs on 31st of May 2019
Over 1.4 Million

Live Demo: LEI Search 2.0 Example



Level 2 Data: Who Owns Whom

Parents

NATURAL_PERSONS (Direct Parent Exception reported)

Direct children (69)

Nestlé S.A.

- Maggi-Unternehmungen AG (Direct)
- Nestle Marcas S.A.C (Direct)
- 네슬레코리아 유한책임회사 (Direct)
- Nestle Waters Brasil - Bebidas E Alimentos Ltda. (Direct)
- Nestle Brasil Ltda. (Direct)
- Nestle de Colombia S.A. (Direct)
- Nestle Türkiye Gıda Sanayi Anonim Şirketi (Direct)
- Nestle Middle East FZE (Direct)
- Nestle Dubai Manufacturing L.L.C. (Direct)
- Nestle Middle East Manufacturing LLC (Direct)
- Nestle Lanka PLC (Direct)

Nestlé S.A.

LEI Code KY37LUS27QX7BB93L28 Hide

(Primary) Legal Name	Nestlé S.A.
Transliterated Names	Nestle S.A.
Registered At	Commercial Register (Ministry of Justice) Handelsregister (Eidg. Amt für das Handelsregister) Switzerland, Switzerland RA000549
Registered As	CHE-105.909.036
Jurisdiction Of Formation	CH
Entity Legal Form	Aktiengesellschaft MVII
Entity Status	● ACTIVE
BIC Code	NESNCH22XXX

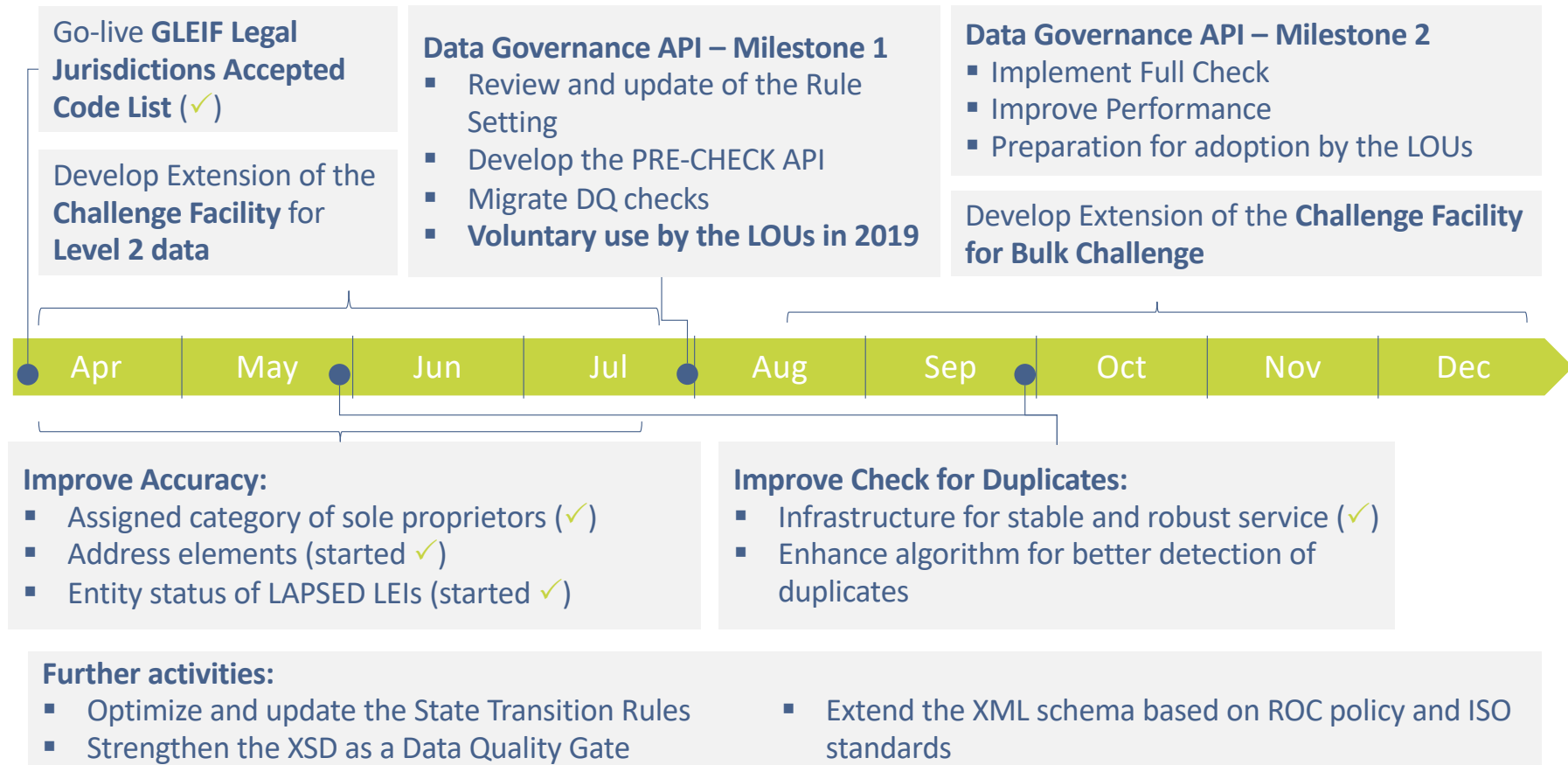
Sections

- Empty fields
- Entity details
- Addresses
- LEI Registration details
- LOU details

Ultimate children (110)

- Maggi-Unternehmungen AG (Ultimate)
- Nestle Marcas S.A.C (Ultimate)
- Galderma Nordic AB (Ultimate)
- 네슬레코리아 유한책임회사 (Ultimate)
- CPW Brasil Ltda. (Ultimate)
- Chocolates Garoto SA (Ultimate)
- Nestle Waters Brasil - Bebidas E Alimentos Ltda. (Ultimate)
- Nestle Nordeste Alimentos E Bebidas Ltda. (Ultimate)
- Nestle Brasil Ltda. (Ultimate)
- Nestle de Colombia S.A. (Ultimate)
- Nestle Middle East FZE (Ultimate)
- Nestle Dubai Manufacturing L.L.C. (Ultimate)
- Nestle Middle East Manufacturing LLC (Ultimate)
- Nestle Lanka PLC (Ultimate)
- Fondation Nestlé pour l'étude des problèmes de l'alimentation dans le monde (Ultimate)
- Nestle (Thailand) Limited (Ultimate)

Data Quality Roadmap



Standards Development 2019

ISO 17442 Legal Entity Identifier Standard Revision



- GLEIF is participating in the ISO Working Group for the revision of the ISO 17442 standard.
- GLEIF proposed that a new part be considered for the ISO 17442 standard to detail how LEIs could be embedded in ISO standard digital certificates.
- GLEIF has drafted a document outlining the background and technical details for the proposed part of the standard which has been accepted for balloting by the ISO Working Group.



ISO 17442 Legal Entity Identifier Standard Revision

Part on LEI embedded in Digital Certificates



- Leveraging an Object Identifier (OID) to place the **LEI code** in the digital certificate. GLEIF has registered the **OID 1.3.6.1.4.1.52266.1** for this purpose.
- **OID 1.3.6.1.4.1.52266.2** has been reserved for embedding “**roles**” in digital certificates. Example: Stephan Wolf, GLEIF, **CEO**
- Browser vendors could - based on such solution - display the LEI with a digital certificate. In addition, each LEI code allows to look up entity reference data provided in the Global LEI System. One way to achieve this would be leveraging the GLEIF LEI Look-up API for online look-up of LEI reference data.

https://en.wikipedia.org/wiki/Object_identifier
<http://oid-info.com/get/1.3.6.1.4.1.52266.1>



iso(1) identified-organization(3) dod(6) internet(1) private(4) enterprise(1) 52266
lei(1)



- [Format of this page](#)
- [Modify this OID](#)
- [Create child OID](#)
- [Create brother OID](#)
- [Find similar OIDs](#)

OID description

OID:	{iso(1) identified-organization(3) dod(6) internet(1) private(4) enterprise(1) 52266 lei(1)}	(ASN.1 notation)
	1.3.6.1.4.1.52266.1	(dot notation)
	/ISO/Identified-Organization/6/1/4/1/52266/1	(OID-IRI notation)

Description: Certificate owning a Legal Entity Identifier (LEI)

Information: LEI is a 20-character alphanumeric code based on ISO/IEC 17442 which connects to key reference information that enables unique identification of legal entities participating in financial transactions.

Current Status



- Certificate Authorities are beginning to offer SSL certificates including the owner's LEI:
<https://www.trustcubes.com>



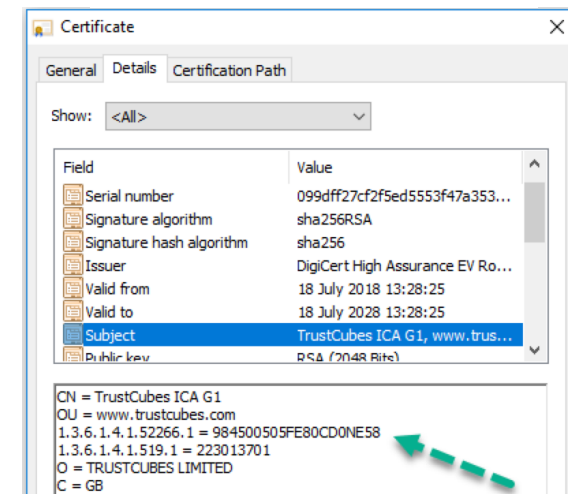
LEI + SSL

Get Legal Entity Identifiers (LEIs) in just minutes for your organisation or your clients. New: TrustCubes is the first SSL Provider to issue SSL Certs containing LEIs

- get an SSL Cert that contains your validated and verifiable corporate identity.

Buy LEI €50 LEI + SSL

- With this, LEIs are visible in Extended Validation (EV) certificates on websites:
- These certificates could also be used to sign emails and thus prove that the message is sent on behalf of the organization identified with the embedded LEI.



Annual Report 2018 in XBRL

Live demo

- With the Annual Report 2018, GLEIF pioneers the inclusion of a Legal Entity Identifier (LEI) within digital financial documentation.
- In partnership with XBRL International, GLEIF published its 2018 annual report in human and machine-readable Inline XBRL and HTML format, with GLEIF's LEI embedded into the financial information for the first time.
- It is the first official business report globally which automatically links the filing entity to its verified LEI reference data held within the Global LEI Index.
- The process of embedding an organization's LEI – or that of its affiliates, subsidiaries and parent companies – within digital financial reports, allows market participants who rely on official documents to inform strategic decisions (e.g. traders, investors, regulators) to quickly and easily consolidate and verify information on a filing entity.
- The Annual Report 2018 was presented and demonstrated in inline XBRL format on 22 May 2019.



Global Legal Entity Identifier Foundation
Annual Report 2018

Digitally signed

	2018	2017	2016
Revenue	1,288,000	1,198,000	1,198,000
Expenses	(1,288,000)	(1,198,000)	(1,198,000)
Profit before tax	0	0	0
Income tax expense	(4,000)	(4,000)	(4,000)
Profit after tax	(4,000)	(4,000)	(4,000)
Other comprehensive income	0	0	0
Net income	(4,000)	(4,000)	(4,000)

	2018	2017	2016
Assets			
Current assets	1,288,000	1,198,000	1,198,000
Non-current assets	0	0	0
Total assets	1,288,000	1,198,000	1,198,000
Liabilities			
Current liabilities	(1,288,000)	(1,198,000)	(1,198,000)
Non-current liabilities	0	0	0
Total liabilities	(1,288,000)	(1,198,000)	(1,198,000)
Equity	0	0	0

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