



LIGHTINGEUROPE
THE VOICE OF THE LIGHTING INDUSTRY

EPREL: live demonstration of the supplier verification process

1st March 2022 | 10:00 – 11:15



Introduction to eIDAS and electronic seals

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Chairman of the Forum of European
Supervisory Authorities for Trust Service
Providers (FESA)



Agenda

- FESA
- eIDAS regulation
- European trust services market



FESA

forum of European Supervisory Authorities for Trust
Service Providers

Who We Are

- Founded in 2002
- Currently **30** full members and **5** associate member
- Board of FESA
 - Chairman: Andrea Spallacci (IT)
 - Secretaries: Vaidotas Ramonas (LT) | Tjeerd P. Inia (NL)

What We Do

- Facilitation
- Harmonization
- Common points of view

Mutual assistance

According to eIDAS, SBs shall:

- Exchange good practices
- Provide mutual assistance
- Joint investigations



eIDAS Regulation

Regulation (EU) No 910/2014

eIDAS Regulation

eIDAS (electronic
IDentification
Authentification and
Signature) – Regulation on
electronic identification
and trust services for
electronic transactions in
the internal market and
repealing Directive
1999/93/EC



Trust services in the eIDAS Regulation



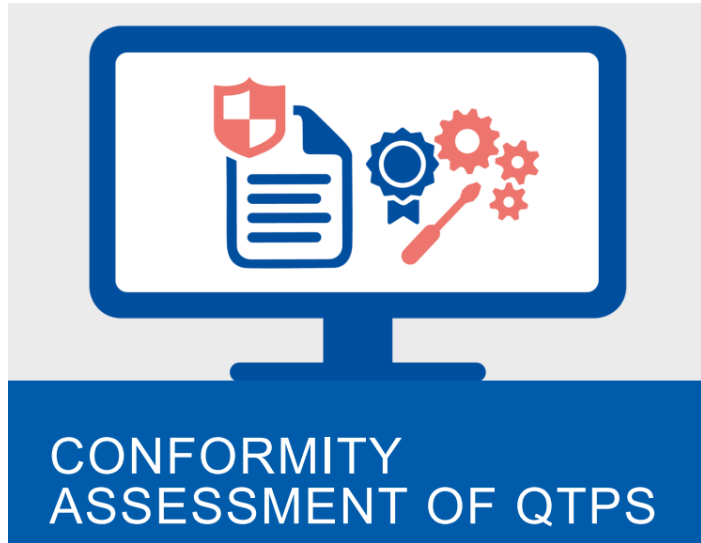
Qualified trust service providers

QTSP

What is a QTSP



How a trust service becomes qualified



Requirements for a QTSP

- Verify identity and attributes
- Inform SB the intention to cease
- Employ expert staff
- sufficient financial resources and/or liability insurance
- Inform any person of terms & conditions
- Use trustworthy systems and products
- Record and keep accessible relevant information
- Up-to-date termination plan
- Audited at least every 24 months by a CAB

Supervisory activities

on qualified trust service providers

The role of the supervisory body

- **ex ante** and **ex post** supervisory activities on Qualified trust service providers
- only **ex post** supervisory activities on non-qualified trust service providers

European trust services market





206 QTSPs

+ 15% compared to Q1 2018

161 QeSignature

Equal to Q1 2018

117 QeSeal

x2 compared to Q1 2018

EU Trust Services Dashboard

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

The screenshot displays the EU Trust Services Dashboard interface. At the top, there is a header with the European Commission logo and the title 'EU Trust Services Dashboard'. Below this is a navigation bar with links: 'DISCOVER', 'BROWSE', and 'TRY'. A breadcrumb trail indicates the current location: 'DIGITAL eSignature / EU Trust Services Dashboard / Browse / Trusted Lists'.

The main section is titled 'Trusted List Browser'. It includes a descriptive paragraph: 'The Member States of the European Union and European Economic Area publish trusted lists of qualified trust service providers in accordance with the eIDAS Regulation. The European Commission publishes a list of these trusted lists, the List of Trusted Lists (LOTL). The Euro provides this tool for anyone to browse the national trusted lists and the LOTL.'

Below the text are three search options, each with an icon and a description:

- Search a trust service by type**: Search by type of trust service (e.g. time-stamping, certificate for signature) and country.
- Search a trust service by name**: Search based on the name of a trust service.
- Search a trust service with a signed file**: Find the trust service that issued the signing certificate(s) contained in a file.

The 'Trusted Lists' section displays a grid of 12 entries, each representing a country's trusted list. Each entry includes the country's flag, the country name, and the issue date.

Country	Issue date
Austria	2021-12-14
Belgium	2022-02-17
Bulgaria	2021-10-27
Croatia	2022-02-16
Cyprus	2021-12-27
Czech Republic	2022-02-09
Denmark	2022-01-11
Estonia	2021-11-09
Finland	2021-12-08
France	2022-02-15
Germany	2021-12-16
Greece	2022-01-19
Hungary	2021-11-12
Iceland	2021-11-04
Ireland	2021-11-03

Thanks!

Any questions?

You can find us at:

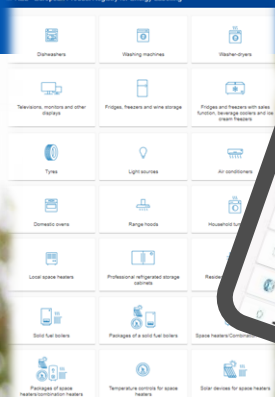
board@fesa.eu



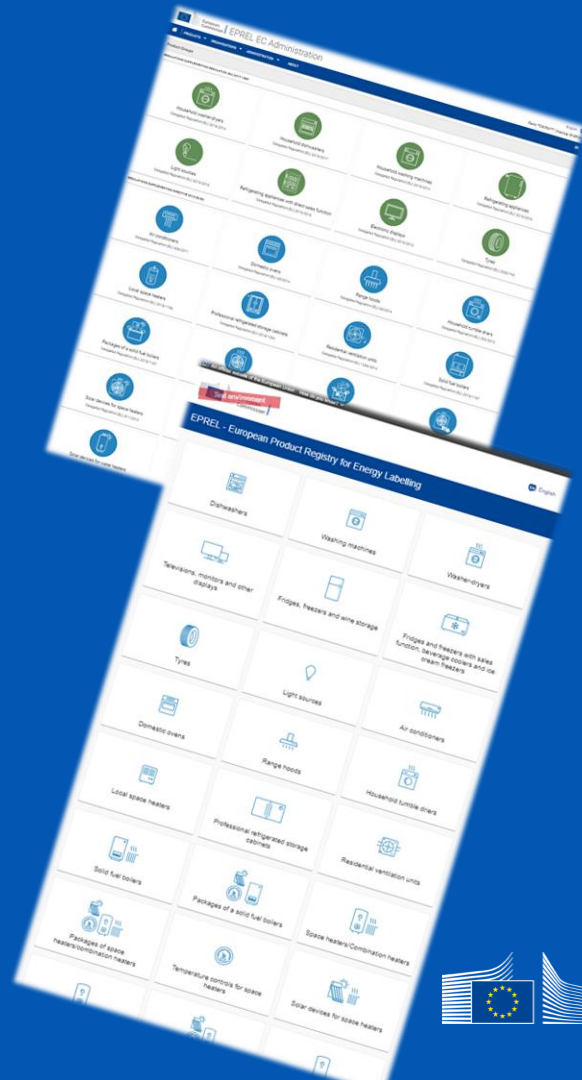
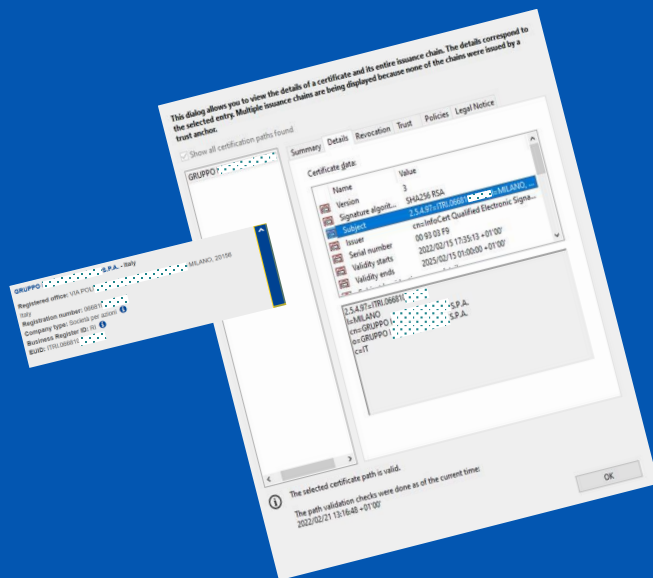
EPREL: Supplier verification

Webinar for supplier organisations

EPREL - European Product Registry for Energy Labelling



Introduction: context and rationale



European
Commission

Overall situation (28 February 2022)

Registered suppliers: > 7100

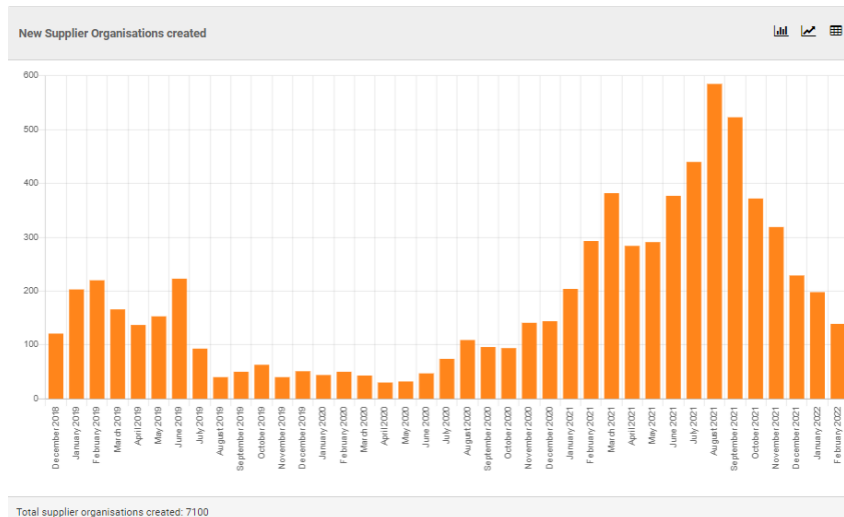
- Legal entities: ≈ **97%**
- Natural persons: ≈ **3%**

Registered user profiles: ≈ 11 000

Registered models: > 1 million of which

- Published:
 - Regulations supplementing Regulation (EU) 2017/1369 (with a QR code): ≈ 700 000
 - Regulations supplementing Directive 2010/30/EU (without a QR code): ≈ 230 000
- Published, but for Regulations now repealed: ≈ 187 000

10 thousand new models published ✓ week, in average



Verification needs

3. Effective IT security shall ensure appropriate levels of:

(a) authenticity: the guarantee that **information is genuine and from *bona fide* sources**
(Commission Decision (EU, Euratom) 2017/46)

Registered models can be considered from *bona fide* sources if reasonable certainty is about:

- a) the identity of the individual**, creator of the EU-Login profile and of the supplier organisation and **entitlement of this individual to act on behalf of the supplier organisation**
- b) the existence of the supplier organisation**
- c) the supplier organisation is established in the EU/EEA/NI**, thus can act as a supplier.*

* (14) 'supplier' means a manufacturer established in the Union, the authorised representative of a manufacturer who is not established in the Union or an importer, who places a product on the Union market; (*Regulation (EU) 2017/1369, Art. 2*)

Regulation 2015/1501



eIDAS

(*electronic IDentification, Authentication and trust Services*)

Commission Implementing Regulation (EU) 2015/1501 on the interoperability framework on **electronic identification and trust services for electronic transactions in the internal market** (Text with EEA relevance)

Requirements concerning the minimum set of person identification data uniquely representing a natural or a legal person, referred to in Article 11

1. The minimum data set for a natural person

The minimum data set for a natural person shall contain all of the following mandatory attributes:

Article 38

Qualified certificates for electronic seals

1. Qualified certificates for electronic seals shall meet the requirements laid down in Annex III.
2. Qualified certificates for electronic seals shall not be subject to any mandatory requirements exceeding the requirements laid down in Annex III.
3. Qualified certificates for electronic seals may include non-mandatory additional specific attributes. Those attributes shall not affect the interoperability and recognition of qualified electronic seals.

- (b) place of birth;
- (c) current address;
- (d) gender.

2. The minimum data set for a legal person

The minimum data set for a legal person shall contain all of the following mandatory attributes:

- (a) current legal name;
- (b) a unique identifier constructed by the sending Member State in accordance with the technical specifications for the purposes of cross-border identification and which is as persistent as possible in time.

The minimum data set for a legal person may contain one or more of the following additional attributes:

- (a) current address;
- (b) VAT registration number;
- (c) tax reference number;
- (d) the identifier related to Article 3(1) of Directive 2009/101/EC of the European Parliament and of the Council ⁽¹⁾;
- (e) Legal Entity Identifier (LEI) referred to in Commission Implementing Regulation (EU) No 1247/2012 ⁽²⁾;
- (f) Economic Operator Registration and Identification (EORI) referred to in Commission Implementing Regulation (EU) No 1352/2013 ⁽³⁾;
- (g) excise number provided in Article 2(12) of Council Regulation (EC) No 389/2012 ⁽⁴⁾.

The EUID

Directive (EU) 2017/1132 of the European Parliament and of the Council of 14 June 2017 relating to certain aspects of **company law (codification)** (Text with EEA relevance)

and

Commission Implementing Regulation (EU) 2021/1042 as regards technical specifications and procedures for the system of interconnection of registers.

An **EUID** is defined here to unequivocally identify companies and branches for the purpose of the exchange of information (national business/trade registries)

Country	Business Register ID	Registration number
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Example: BRIS (Business Registers Interconnection System)

A.K.D. HELLAS - (Α.Κ.ΝΤ. ΕΛΛΑΣ) - ΕΤΑΙΡΕΙΑ ΠΕΡΙΟΡΙΣΜΕΝΗΣ ΕΥΘΥΝΗΣ - Greece

Registered office: ΟΔΕΜΗΣΙΟΥ 5, 11527 ΑΘΗΝΑ, Greece
Registration number: 119287301000
Company type: εταιρία περιορισμένης ευθύνης ⓘ
Business Register ID: GEMI ⓘ
EUID: ELGEMI.119287301000

ABC DIGITAL s.r.o. - Slovakia

Registered office: Laurinská 9, 81101 Bratislava - mestská časť Staré Mesto, Slovakia
Registration number: 50865374
Company type: spoločnosť s ručením obmedzeným ⓘ
Business Register ID: ORSR ⓘ
EUID: SKORSR.50865374

PIRELLI & C. S.P.A. - Italy

Registered office: VIALE PIERO E ALBERTO PIRELLI 25, 20126 MILANO, 20126 Italy
Registration number: 00860340157
Company type: Società per azioni ⓘ
Business Register ID: RI ⓘ
EUID: ITRI.00860340157

BOSCH GMBH - Germany

Registered office: Heidenheim an der Brenz, Germany
Registration number: HRB660398
Company type: Gesellschaft mit beschränkter Haftung ⓘ
Business Register ID: B8537 ⓘ
EUID: DEB8537.HRB660398

ABC AS - Norway

Registered office: c/o Elvind Opedal, Lægne, 5781 LOFTHUS, Norway
Registration number: 994284274
Company type: Aksjeselskap ⓘ
Business Register ID: FOR ⓘ
EUID: NOFOR.994284274



European
Commission

ETSI EN 319 412-1 V1.4.4: organizationIdentifier attribute

5.1.5 Legal Person semantics

"When the legal person semantics identifier is included, any present organizationIdentifier attribute in the subject field shall contain information using the following structure in the presented order:

- 3-character legal person **identity type** reference;
- character ISO 3166-1 [2] **country code**;
- hyphen-minus "-" (0x2D (ASCII), U+002D (UTF-8)); and
- **identifier** (according to country and identity type reference).

The three initial characters shall have one of the following defined values:

- 1) "VAT" for identification based on a national value added tax identification number.
- 2) **"NTR" for identification based on an identifier from a national trade register.**
- 3) "PSD" for identification based on national authorization number of a payment service provider under Payments Services Directive (EU) 2015/2366
- 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'.
- 5) Two characters according to local definition within the specified country and name registration authority, identifying a national scheme that is considered appropriate for national and European level, followed by the character ":" (colon).

Examples:

NTRAT-**ATBRA**.012345-000

NTRBE-**BEKBOBCE**.0123.456.789

NTRCZ-**CZVROR**.12345678

NTRDE-**DED3310V**.HRB12345

NTRRES-**ES01234**.123456789

NTRFR-**FR3102**.123456789

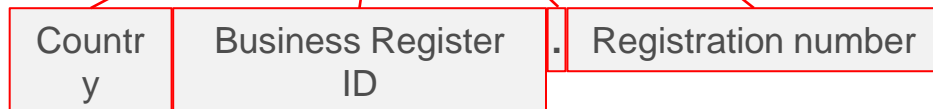
NTRHU-**HUOCCSZ**.01-02-123456

NTRIT-**ITRI**.01234567890

NTRLU-**LURCSL**.B12345

NTRNL-**NLNHR**.01234567

NTRRO-**ROONRC**.J40/01234/5678



the EUID and the seal (NTR)

This dialog allows you to view the details of a certificate and its entire issuance chain. The details correspond to the selected entry. Multiple issuance chains are being displayed because none of the chains were issued by a trust anchor.

☒ Show all certification paths found

GRUPPO : S.P.A. - Italy

Registered office: VIA POL : MILANO, 20156 Italy

Registration number: 06681

Company type: Società per azioni ⓘ

Business Register ID: RI ⓘ

EUID: ITRI.06681

Summary Details Revocation Trust Policies Legal Notice

Certificate data:

Name	Value
Version	3
Signature algorit...	SHA256 RSA
Subject	2.5.4.97=ITRI.06681=MILANO, ...
Issuer	cn=InfoCert Qualified Electronic Signa...
Serial number	00 93 03 F9
Validity starts	2022/02/15 17:35:13 +01'00'
Validity ends	2025/02/15 01:00:00 +01'00'

2.5.4.97=ITRI.06681:
|=MILANO
cn=GRUPPO : S.P.A.
o=GRUPPO : S.P.A.
c=IT

ⓘ The selected certificate path is valid.

The path validation checks were done as of the current time:
2022/02/21 13:16:48 +01'00'

OK



Going public: timeline

Step 1 (1 March 2021): scanning a QR code from a label in a shop or in a product box:

Step 2 (end of March 2022): full search and sort on all models but from “verified source”

Step 3 (to be scheduled): no new model registration possible for suppliers that are not verified

Step 4 (at a later stage): garbage collection (archival of unverified suppliers and their models)

ALL product remain accessible when scanning the QR code (or when entering the univocal EPREL ID, e.g. via APIs)

Thank you for your attention

Mail to:

ENER-EPREL-HELPDESK@ec.europa.eu

ENER-ENERGY-LABELLING@ec.europa.eu



P. TOSORATTI 

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LIGHTINGEUROPE
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THANK YOU

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