



EU Trust Services Dashboard Update

October 27th 2022 – Trust Services Forum

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EU Trust Services Dashboard

Purpose

All of the eIDAS Chapter III “Trust Services” tools in a single place



Discover

Boost **awareness** and foster eSignature **adoption** inside the Digital Single Market and internationally



Browse

Centralize information and improve **user experience**

- Trusted Lists
- Conformity Assessment Bodies
- Qualified Signature Creation Devices
- Certification bodies for QSCD
- Alternative QSCD certification processes



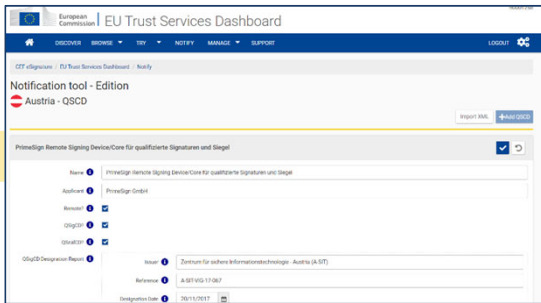
Notify

Formalize and **ease** notification process with **authenticated access**

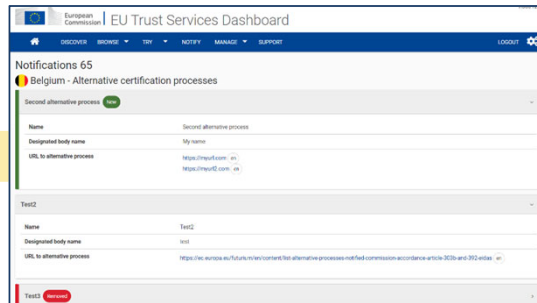
and more...

EU Trust Services Dashboard

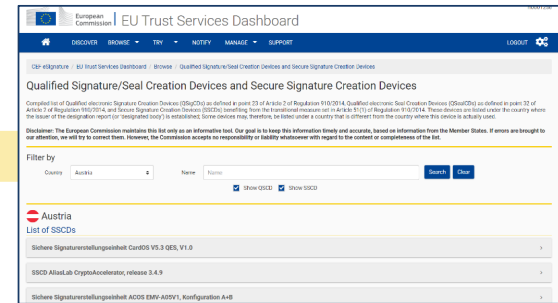
Structured, streamlined, secure, with user-friendly browsing and efficient monitoring



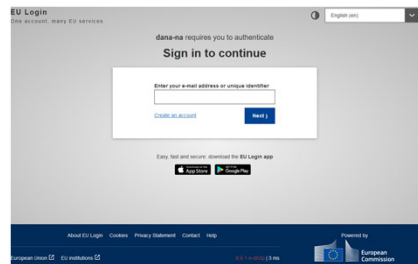
Web-based structured notifications



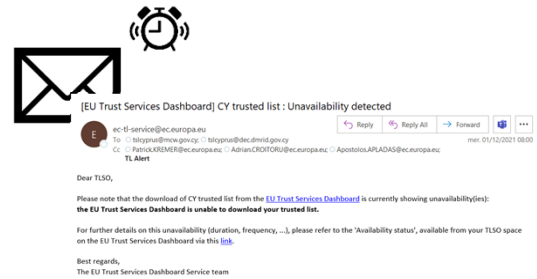
Formal verification and automated publication



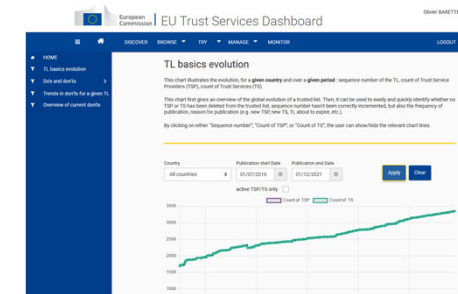
User-friendly browsing



Authentication based on EU Login



Alerting emails for efficiency



Monitor overall status and quality

Expansion of the purpose and use of EU Trust Services Dashboard

The Building Blocks **eSignature** and **eID** are collaborating together to co-shape the future EU TSD.

Gather all eIDAS Chapters technical aspects into a single place to...



Foster up digital transformation

Boost awareness and accelerate eIDAS adoption through:

EU TSD, the **technical reference** for trust services and eID

Support Member States

Boost cooperation with:

EU TSD as the MS and Experts **meeting place**

EU TSD as the facilitator of trust services and **eID interoperability**



eSignature

eSignature is a DIGITAL building block consisting of a set of standards, tools and services that allows the creation and verification of electronic signatures.



eID

eID is a DIGITAL building block to enable the mutual recognition of national electronic identification schemes (eID) across borders.

Update on the Dashboard

Overview – version 2.1

v2.1 Management of eIDAS-Node by MS eID Operators

Manage eIDAS-Nodes

ENISA CIRAST [Browse all eIDAS-Nodes](#)

Austria

Production environment [Export as XML](#) [Update configuration](#)

Information on the environment: ⓘ
Information on the production environment, provided by the MS eID Operator.
For the testing environment, the MS eID Operator may provide testing credentials, information for testing as sending country, Information for testing as receiving country...

MDSL (Optional)

URL: <https://website.com/eidasnode/metadata>
Signing certificates: Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
TLS certificates: Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ

eIDAS-Service Metadata	
Status:	ACTIVE
URL:	https://website.com/eidasnode/metadata
Signing certificates:	Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
TLS certificates:	Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
Last download attempt:	25-May-2022 13:41:56 (UTC+01:00)
Last success download:	25-May-2022 13:41:56 (UTC+01:00)
Download status:	SUCCESS
Parsing status:	SUCCESS
Validation status:	SUCCESS
Last update detected on:	25-May-2022 13:41:56 (UTC+01:00)

eIDAS-Connector Metadata	
Scope:	Public Sector
Status:	UNDER MAINTENANCE
URL:	https://website.com/eidasnode/metadata
Signing certificates:	Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
TLS certificates:	ERROR Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate expiring in 2 weeks Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
Last download attempt:	25-May-2022 13:41:56 (UTC+01:00)
Last success download:	23-May-2022 03:41:56 (UTC+01:00)
Download status:	ERROR
Parsing status:	N/A
Validation status:	N/A
Last update detected on:	25-May-2022 13:41:56 (UTC+01:00)

eIDAS-Connector Metadata	
Scope:	Private Sector
Status:	INACTIVE
URL:	https://website.com/eidasnode/metadata
Signing certificates:	Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
TLS certificates:	Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ Certificate name (dd/mm/yyyy hh:mm - dd/mm/yyyy hh:mm) ⓘ
Last download attempt:	25-May-2022 13:41:56 (UTC+01:00)
Last success download:	25-May-2022 13:41:56 (UTC+01:00)
Download status:	SUCCESS
Parsing status:	SUCCESS
Validation status:	ERROR
Last update detected on:	25-May-2022 13:41:56 (UTC+01:00)

Testing environment [Export as XML](#) [Update configuration](#)

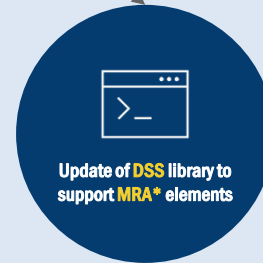
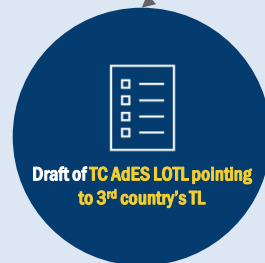
Collaboration with 3rd countries (TCs)

Context

Formal request received from 3rd countries



Technical implementation by EC



* The MRA technical element was introduced in the context of the pilot for international compatibility of Trust Services in the scope of eSignature building block

Recognition of 3rd countries' eSignatures as eIDAS AdES

Preparation of Third Countries AdES LOTL pointing to a 3rd country's Trusted List (TL)

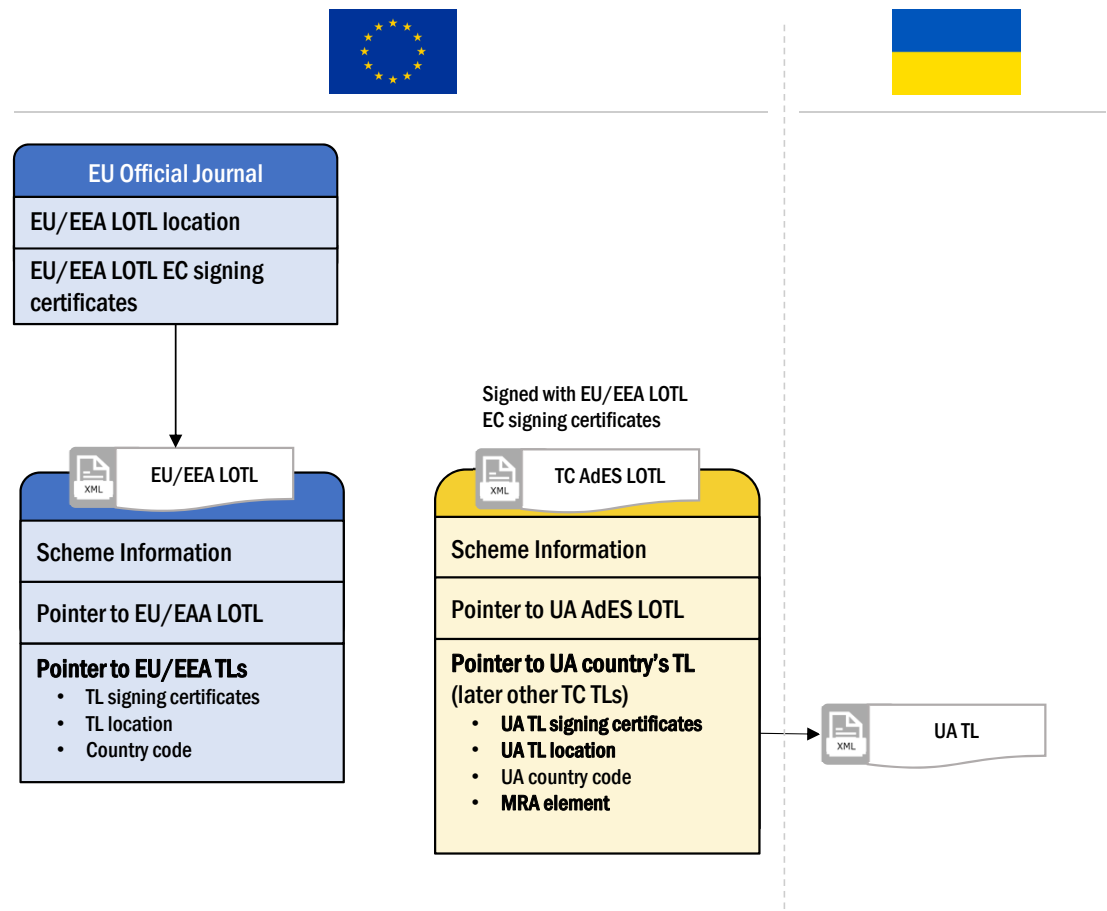
To allow any party to:

- Download and authenticate the TC trusted list;
- Validate TC-QES as eIDAS AdES, using the Mutual Recognition Agreement (MRA) element.

QES equivalence can only be achieved between Member States and a 3rd country only via an agreement under Article 14 of the eIDAS regulation

MRA element defines technical equivalence between the UA framework and the eIDAS framework.

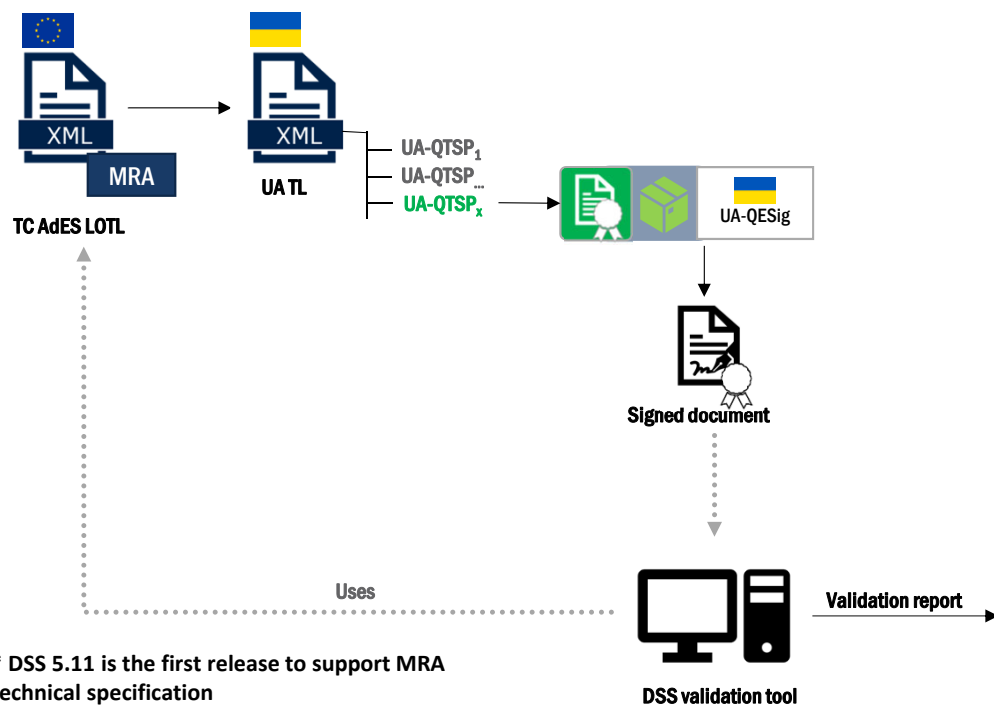
- Equivalence statements are defined **within** the AdES LOTL
- Machine-processable



Support for enabling the recognition of a TC-QES as eIDAS AdES

Update of DSS library* to support the processing of MRA elements

International Compatibility Pilot for Trust Services
Contains technical documentation and specifications for the technical execution of Art. 14 mutual recognition agreement, or facilitating Art. 27(1) application to non-EU electronic signatures.



Signature SIGNATURE_TEST-User-Ca_20220725-1623

Qualification: AdESig

Qualification Details:

- The certificate is not related to a CA/QC!
- The certificate is not qualified at (best) signing time!
- The certificate is not qualified at issuance time!
- The private key does not reside in a QSCD at (best) signing time!
- The trusted list validation is supported by an enacted trust service equivalence mapping, in the context of Article 27(1) and Article 37(1) of Regulation (EU) No 910/2014.

Signature format: PKCS7-B

Indication: TOTAL_PASSED

Certificate Chain:

- TEST User Ca
- Administrator ITS CCA (CA TEST)
- Central certification authority (ROOT TEST)

On claimed time: 2022-07-25 16:23:10 (UTC)

Best signature time: 2022-09-15 14:56:47 (UTC)

Signature position: 1 out of 1

Signature scope: Full PDF (FULL)
The document ByteRange : [0, 29430, 160504, 407]

Timestamps

Document Information

Signatures status: 1 valid signatures, out of 1

Document name: PAdES-B-B.pdf

* DSS 5.11 is the first release to support MRA technical specification

Website on Pilot eSignature BB international compatibility*

- <https://esignature.ec.europa.eu/efda/intl-pilot/#/screen/home/demo>
- **Documentation**
- MRA **CookBook**
- MRA element **specification** (and XML Schema Definition)
- MRA element **usage**
- eIDAS Article 14 **Assessment Check-List**



** The available documentation could be reviewed in the next months taking in consideration the results of the review of eIDAS 2.0*


Collaboration with 3rd countries disclaimer

- **European Commission has constructed the Third Countries (TC) AdES LOTL that currently is pointing only to the UA TL**
- **European Commission has prepared the current framework in order to facilitate the technical validation of third countries' electronic signatures to MS. It is under the responsibility of the MS to decide whether the signatures coming from these countries comply with all requirements for being used in their online services.**
- **European Commission doesn't bear any liability about the security nor the practices, third countries are following in the eSignature business domain.**

Inter-Institutional TL in TL-Browser

3rd parties will be able to validate the certificates issued by the EU Institutions, Bodies and Agencies

An official website of the European Union How do you know? 
Privacy statements of eIDAS Dashboard 


 European Commission | eIDAS Dashboard EU LOGIN

DISCOVER BROWSE COMPLIANCE INTERNATIONAL

DIGITAL eSignature / eIDAS Dashboard / Browse / Trusted Lists


Trusted List Browser

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 European Commission, through the DIGITAL program, provides this tool for anyone to browse the national trusted lists and the LOTL.




Search a trust service by type

Search by type of trust service (e.g. time-stamping, certificate for e-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

Trusted Lists

 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 2022-10-13	...
 Denmark Issue date 2022-08-16	...	 Estonia Issue date 2022-09-14	...	 Finland Issue date 2022-05-25	...
 France Issue date 2022-10-10	...	 Germany Issue date 2022-09-08	...	 Greece Issue date 2022-09-26	...
 Hungary Issue date 2022-09-16	...	 Iceland Issue date 2022-10-06	...	 Ireland Issue date 2022-04-26	...

Inter-Institutional TL in TL-Browser

3rd parties will be able to validate the certificates issued by the EU Institutions, Bodies and Agencies (EUIBAs)

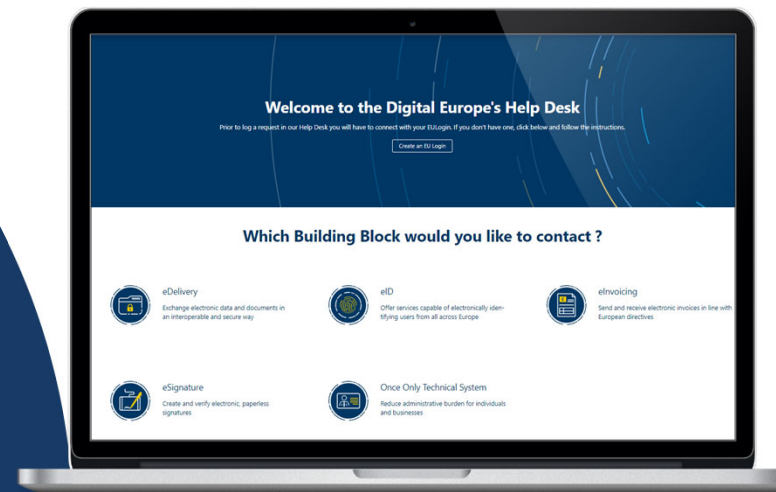
The TRUST group of the inter-institutional committee for the Digital Transformation in the EUIBAs (ICDT-DI) decided to proceed on the **technical implementation of an inter-institutional TL. Legal commitment is still to be defined/agreed between the EUIBAs.**

This TL is going to be available in a public location from the European Commission and **included in the TL-Browser**

Members of this list:

- **European Parliament**
- **European Commission**
- **European Council**
- **European Economical and Social Committee/Committee of Regions**
- **European Court of Auditors**

Thank you!



Something not right? Something to add?

Let us know by accessing Digital Europe's Help Desk

<https://ec.europa.eu/digital-building-blocks/tracker/plugins/servlet/desk>