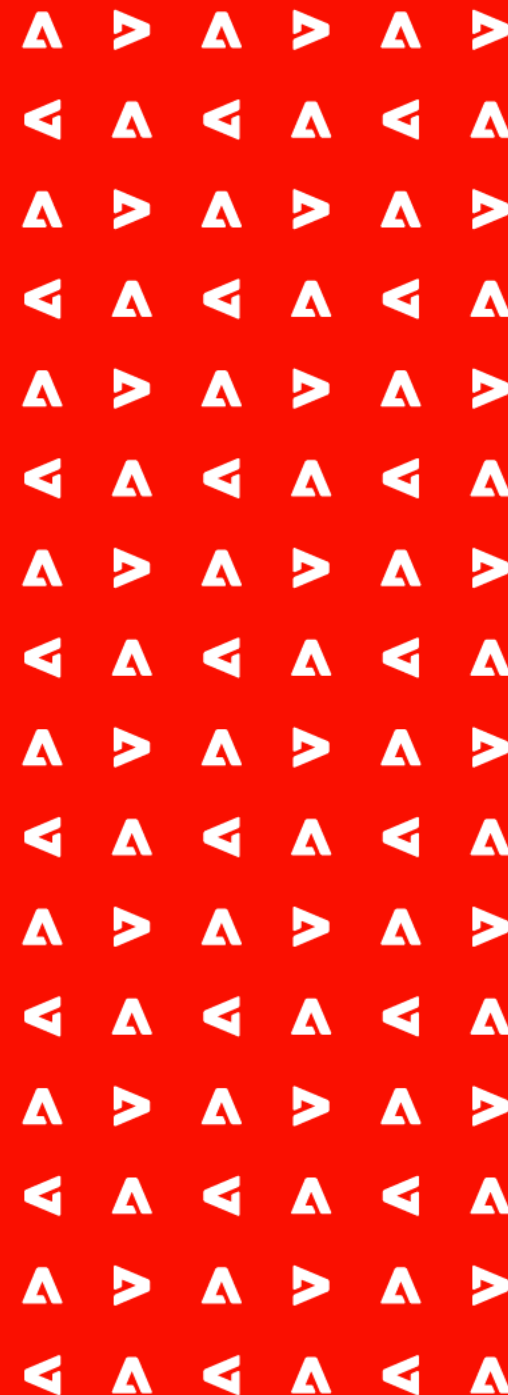




Helping Qualified Trust Services become a global standard

CA Day – 23 September 2020

Andrea Valle | Adobe Document Cloud



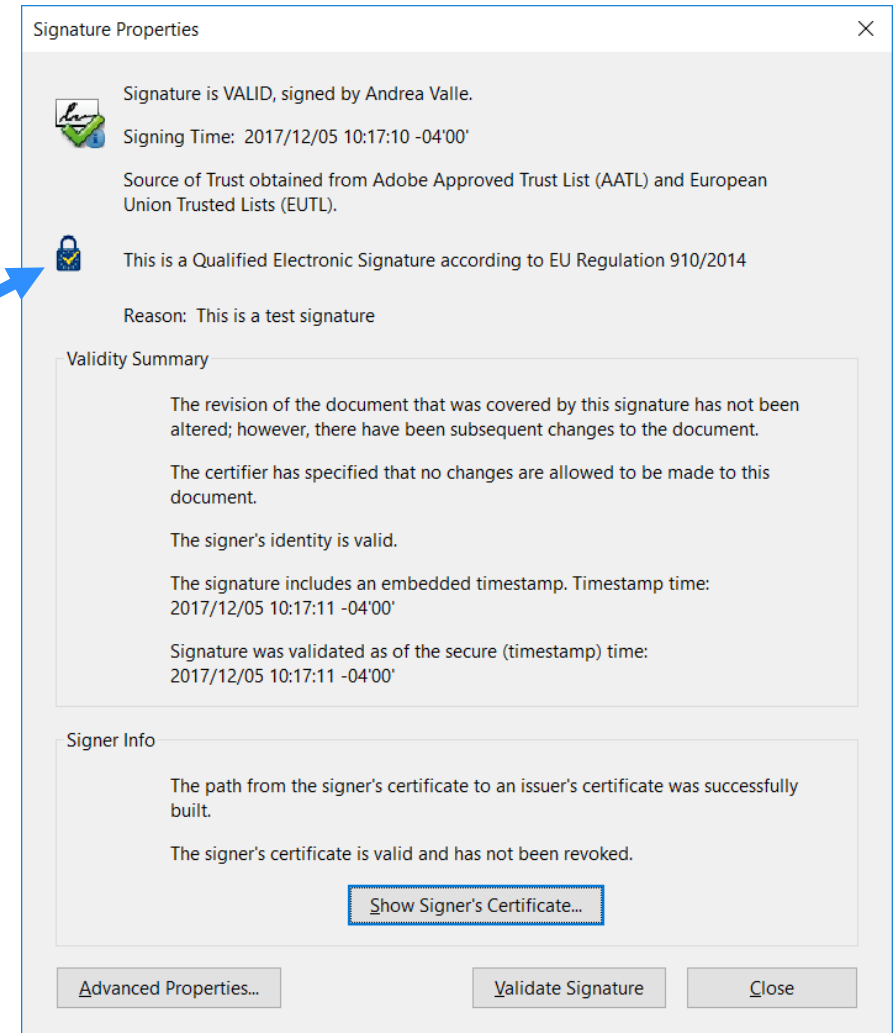
A digital economy built on digital Trust

- eIDAS was conceived as a technology neutral Regulation, but implementation in a digital economy is all about technology...
- Risk of disparity in law interpretation
- Risk of lack of interoperability
- Risk of digital divide
- Risk of slow adoption



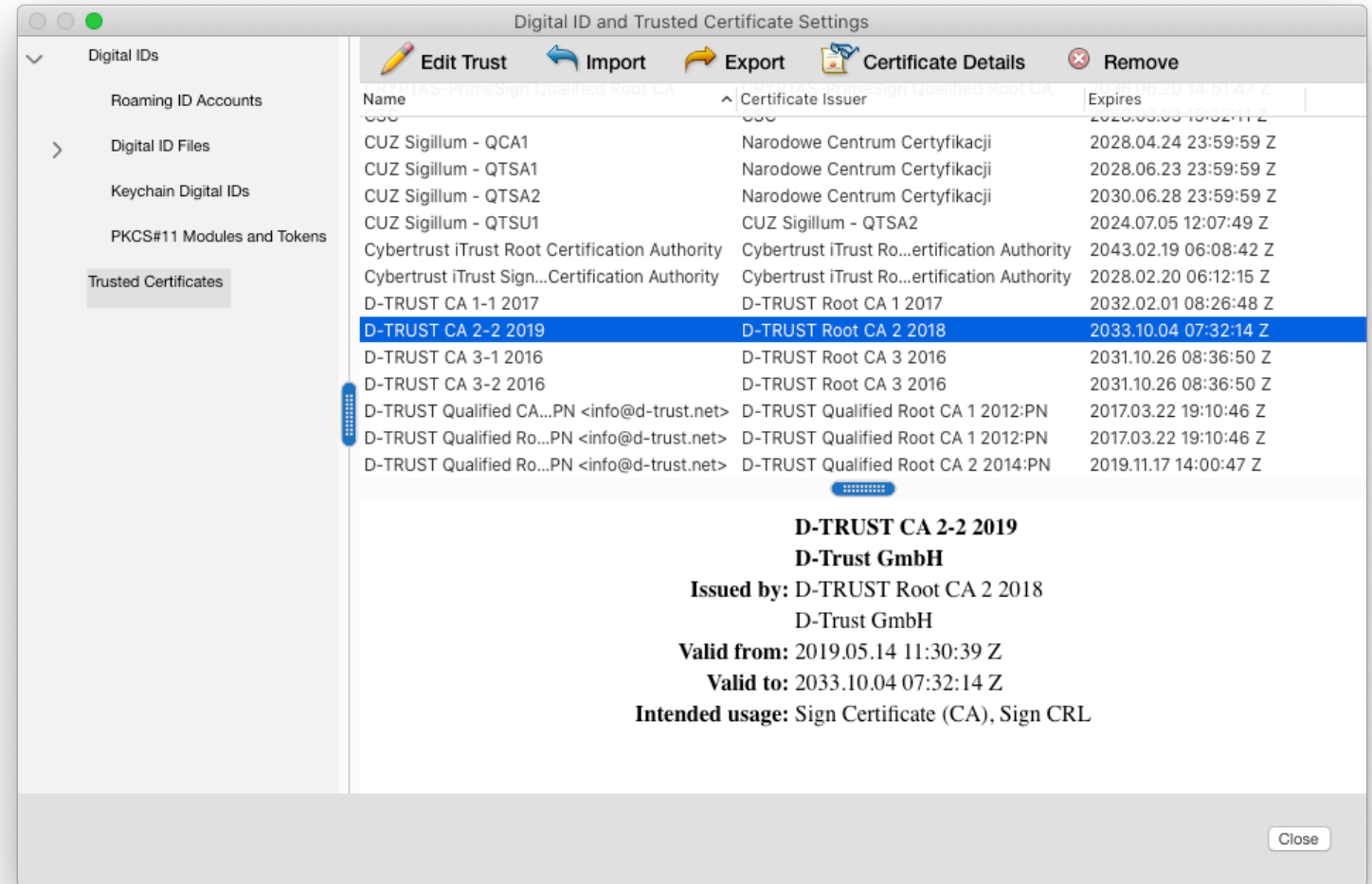
Adobe for eIDAS

- Adobe Acrobat and Acrobat Reader natively support **EU Trusted Lists (EUTL)**
- Makes QES/QTST verification available to anyone and for free



EU Trusted Lists. Trust for all

- The EUTL contains 1101 Qualified certificates set as trust anchors
- Sourced from 228 QTSP's services:
 - Qualified eSig
 - Qualified eSeal
 - Qualified Timestamp
- Downloaded globally 400+ million times per month



Does your electronic signature look good?

The screenshot shows an email client interface with a signature panel on the right. The panel has a blue header with a warning icon and the text "At least one signature has problems." Below this, the "Signatures" section is visible, showing a signature by "Rev. 1: Signed by SAGSTETTER Norbert <Norbert.SAGSTETTER@ec.europa.eu>". A yellow tooltip explains the warning: "Signer's identity is unknown because it has not been included in your list of trusted certificates and none of its parent certificates are trusted certificates". The document preview on the right is from the European Commission, dated 2020.06.05, and is signed by Norbert SAGSTETTER, Acting Head of Unit.

At least one signature has problems.

Signatures

Validate All

Rev. 1: Signed by SAGSTETTER Norbert <Norbert.SAGSTETTER@ec.europa.eu>

Signature validity is unknown:

Document has not been modified since this signature was applied

Signer's identity is unknown because it has not been included in your list of trusted certificates and none of its parent certificates are trusted certificates

Signature Details

Last Checked: 2020.09.23 03:19:06 +02'00'

Field: Signature2 on page 1

[Click to view this version](#)

Signature Panel

EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY
Digital Society, Trust and Cybersecurity
eGovernment and Trust

Luxembourg
CNECT.H.4/MH

Subject: Evaluation study of the eIDAS Regulation - SMART 2019/0046

Dear Sir, / Dear Madam,

The European Commission's Directorate-General for Communications Networks, Content and Technology (CNECT) has commissioned Deloitte, VVA Brussels Sprl and Spark Legal Network to carry out an Evaluation study of the Regulation no.910/2014 (eIDAS Regulation) SMART 2019/0046 funded by the European Commission.

The Commission will assess to what extent the eIDAS framework remains fit for purpose delivering the intended outcomes, results and impacts. The evaluation may identify areas for improvement and to optimise or complement the current digital identity and trust services framework.

Given the importance that CNECT attaches to this evaluation study, I would be grateful if you could offer collaboration and provide any requested piece of information or documents to the team in charge of the task. The terms of the contract require Deloitte, VVA Brussels Sprl and Spark Legal Network to treat these as confidential.

The project team foresees the data collection and fieldwork activities taking place as of the months November 2019, December 2019 and January 2020 - they will contact you to make the necessary arrangements.

If you have any further question regarding this evaluation, please do not hesitate to contact Michal Hrbaty (Michal.HRBATY@ec.europa.eu), contact point for the European Commission or Sebastiaan van der Peijl (sebvanderpeijl@deloitte.com), contact point for Deloitte.

Thank you in advance for your help.

Yours faithfully,

SAGSTETTER Norbert
ER Norbert

Digitally signed by SAGSTETTER Norbert
Date: 2020.06.05 12:16:32 +02'00'

(e-signed)
Norbert SAGSTETTER
Acting Head of Unit

Commission européenne/Europese Commissie, 1049 Bruxelles/Brussel, BELGIQUE/BELGIË - Tel. +32 22991111
Michal.HRBATY@ec.europa.eu

It's about Digital Trust!

At least one signature has problems.

Signatures

Validate All

Rev. 1: Signed by SAGSTETTER Norbert <Norbert.SAGSTETTER@ec.europa.eu>

Signature validity is unknown:

Document has not been modified since this signature was applied

Signer's identity is unknown because it has not been included in your list of trusted certificates and none of its parent certificates are trusted certificates

Signature Details

Certificate Viewer

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

European Commission Root C
CommisSign - 2
SAGSTETTER Norbert

Summary Details Revocation Trust Policies Legal Notice

This certificate is not trusted.

Trust Settings

- ✗ Sign documents or data
- ✗ Certify documents
- ✗ Execute dynamic content that is embedded in a certified document
- ✗ Execute high privilege JavaScripts that are embedded in a certified document
- ✗ Perform privileged system operations (networking, printing, file access, etc.)

Add to Trusted Certificates...

i The selected certificate path is valid.

The path validation checks were done as of the signing time:
2020/06/05 12:16:32 +02'00'
Validation Model: Shell

OK

Adobe for eIDAS

- Promoting trust services in the cloud through open standards
- Seamless customer experiences with trustworthy document workflows
- Developing a global network of TSPs
 - Design a common architecture and building blocks to facilitate interaction.
 - Develop technical protocols and APIs to make interactions interoperable.
 - Publish technical specifications as open standards.



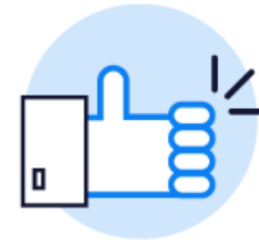
Secure transactions,
on the go



Cloud storage,
no download



Simple certificate
ownership



Easy deployment
for end users



Building a standard for cloud signatures

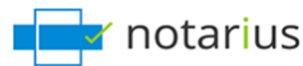
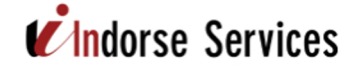
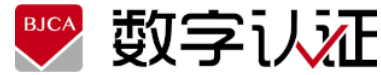
A new industry consortium to pioneer
open digital signatures for mobile and the web

#OpenSignature



The Cloud Signature Consortium members

<https://cloudsignatureconsortium.org/our-members/>



The CSC Standardization work

- Defines architectures, protocols and API for Remote Signature Creation
- Designed for flexibility: Self-discovery capacity
- Native support of client and user authentication
- Flexible support of credential authorization mechanisms
- Designed for privacy and confidentiality
- Designed for interoperability



Architectures and protocols for remote signature applications

Published version 1.0.4.0 (2019-06)

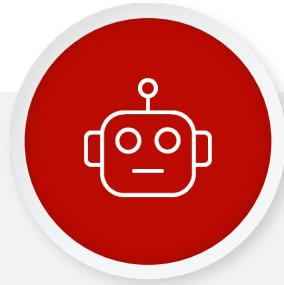
Cooperation in Global Standards

- **Cooperation Agreement with ETSI**
 - Allow mutual exchange of contributions for the development of trust service standards
 - The CSC API specification has been included in ETSI TS 119 432:
“Protocols for remote digital signature creation”
- **Active cooperation with various Government agencies developing public policies on remote digital signatures.**

Implementing eIDAS with Adobe Sign and the CSC standard



End to End Digital Experiences



Automation & Innovation through AI



Enterprise Scalability



Superior Value



Trusted Enterprise Partner

LINKING eIDAS TRUST SERVICES SEAMLESSLY

- ELECTRONIC IDENTITY
- ADVANCED AND QUALIFIED ELECTRONIC SIGNATURES
- QUALIFIED ELECTRONIC SEALS
- QUALIFIED TIMESTAMPS
- LONG TERM PRESERVATION



Adobe Sign



ISO 27001



SOC



PCI DSS



COMPLIANT
21 CFR

EU Digital Trust. A Global standard

- The digital economy is global
- Work being done with ETSI to align the EUTL with US Federal PKI Bridge and Japan Trust List
- Adoption of Qualified Trust Services from global corporates



Conclusions

- EU Policy makers should support the eIDAS revision with more specific implementing acts
- Facilitate and support the global adoption of standards
 - Mutual recognition of electronic signature and seal trust
 - Adoption of trust-friendly features in global software
- Take care of your own Digital Trust



Thank you!

Andrea Valle

avalle@adobe.com

