

The Standards People

ETSI Standards Update CA/B-Forum #61 New Dehli

Presented by: Arno Fiedler – Vice Chair ETSI ESI

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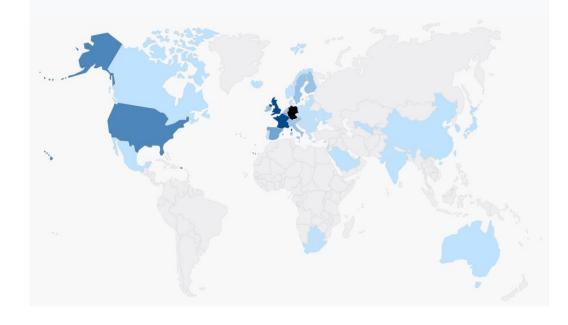


ETSI – European Standards Organisation with Global Reach

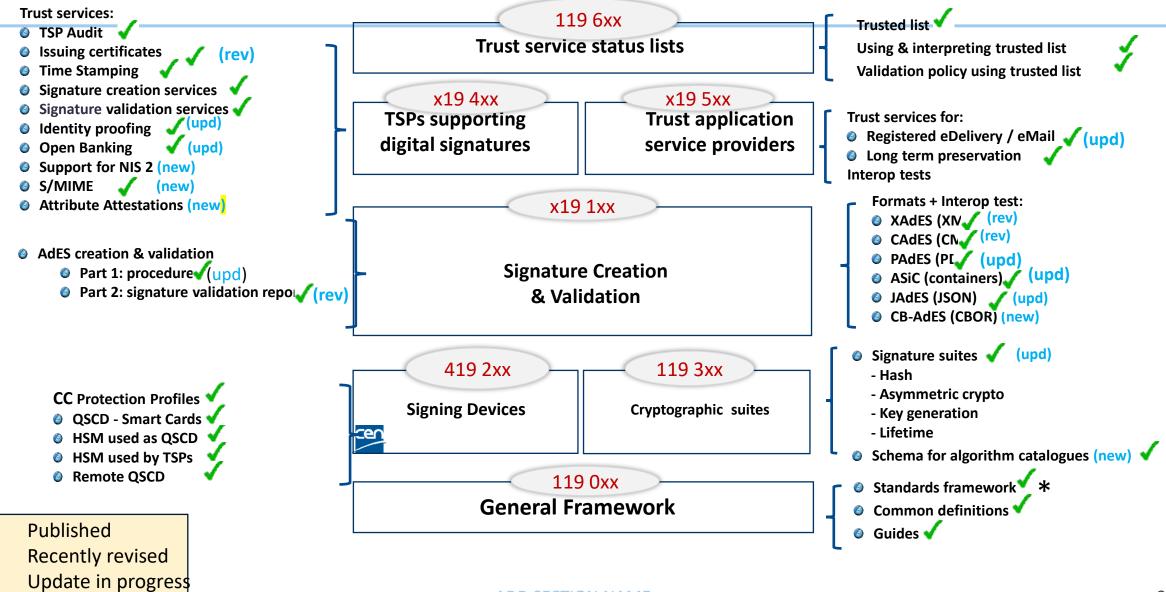


- > 900 member organizations worldwide, drawn from over 60 countries and five continents
- Cooperation with India via: Telecommunications Standards Development Society
- Global PKI related partnerships:
 - CA/Browser Forum
 - Asia PKI Consortium
 - Japan Network Security Association
 - Arab-African e-CA Network
 - Cloud Signature Consortium
- Recent Signature Interoperability event:
 - 100+ organisations inside and outside

https://tsdsi.in/



ETSI & CEN Standards supporting eIDAS – the overall pictur



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(Rev)

(Upd)

(New)

New

Trust services issuing certificates



Trust services:

- 🌒 TSP Audit 🛛 🖌
- Issuing certificates
- Time Stamping
- Signature creation serv
- Signature validation ser
- Identity proofing
- Open Banking
- Support for NIS 2 (new)
- Attribute Attestations (new
- AdES creation & validation
 - e Part 1: procedures
 - Part 2: signature validatio

CC Protection Profiles
QSCD - Smart Cards
HSM used as QSCD
HSM used by TSPs
Remote QSCD

Completed
 Update in pro
 (new)
 New

EN 319 411-x Cert Policies: ETSI Approved –

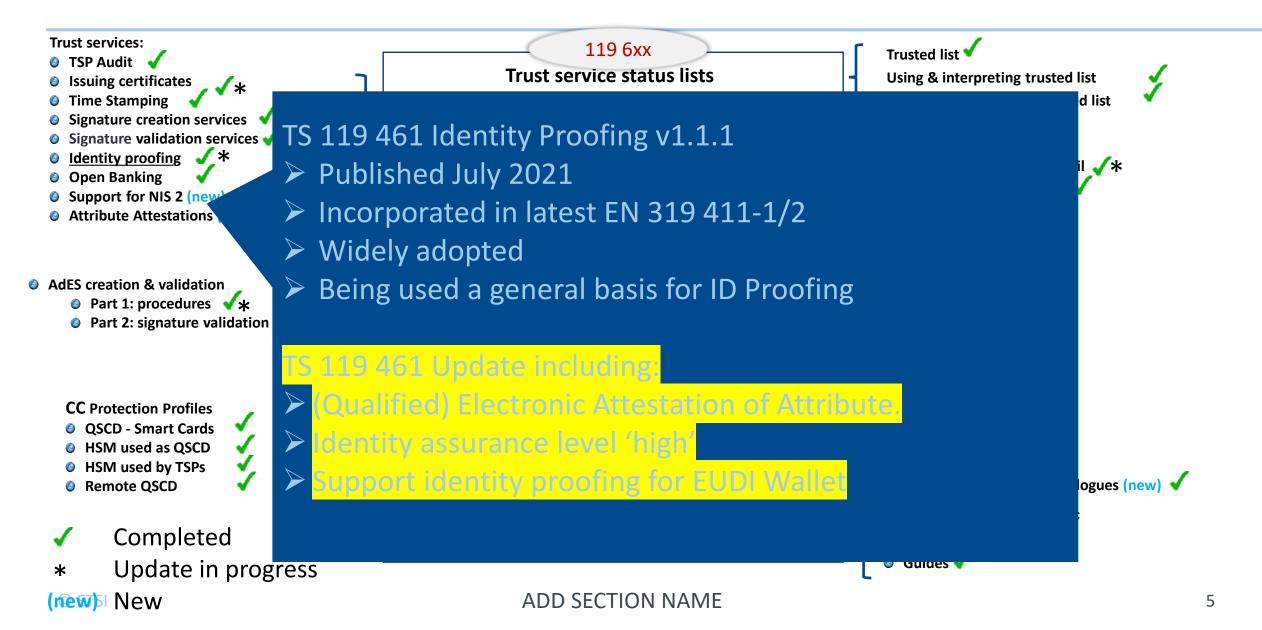
- Part 1: 16 changes to policies for issuing certificates
- Part 2: 5 changes to policies for issuing qualified certificates
- Alignment with CA/Browser Forum
- ► EN 319 412-x Cert Profiles: ETSI Approved
 - 1 changes to EN 319 412-1 (General)
 - & 7 changes EN 319 412-2 (Certificates issued to natural persons)
 - EN 319 412-4 (Website authentication) CA/Browser Forum alignment

Profiles art Cards as QSCD by TSPs TR 119 411-5 Co-existence Browser Root store and EU Trust List (QWAC) Discussions continue on 2 certificate approach

> TS 119 411-6 alignment with CA/Browser forum S/MIME certificates Published

Trust Services – ID Proofing





Trust Services & NIS 2



Trust services:

- 🌒 TSP Audit 🛛 🖌
- Issuing certificates /*
- Time Stamping
- Signature creation services
- Signature validation services
- Open Banking
- Support for NIS 2 (new)
- Attribute Attestations (ne
- AdES creation & validation

 - Part 2: signature validation

CC Protection Profiles
QSCD - Smart Cards
HSM used as QSCD
HSM used by TSPs
Remote QSCD

Completed
 Update in prog
 (new) New

NIS2 and Trust Services:

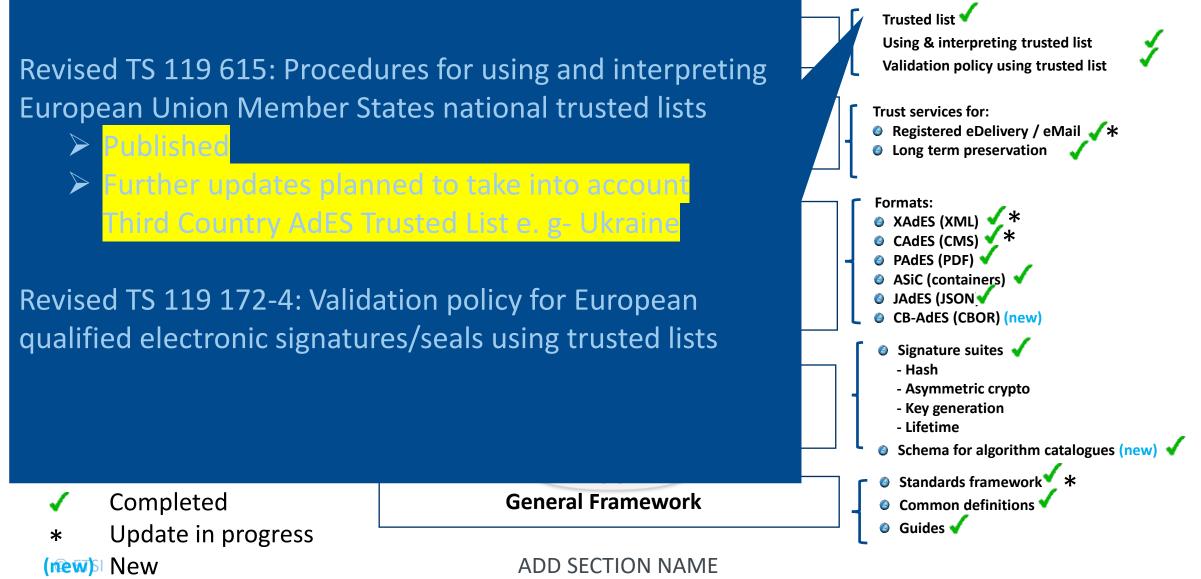
Revised EN 319 401: General Policy Requirements for Trust Service Providers, Aim to specify in a way which does not require update to existing trust service standards

under National EN approval until May 2024

More details by Clemens Wanko

Use of Trusted Lists







TSF Forum25.09.24CA-Day26.09.24

Heraklion, Crete

Further information

Information on available standards and current activities: <u>https://portal.etsi.org/TBSiteMap/ESI/ESIActivities.aspx</u>

ETSI standards: available for free download http://www.etsi.org/standards-search





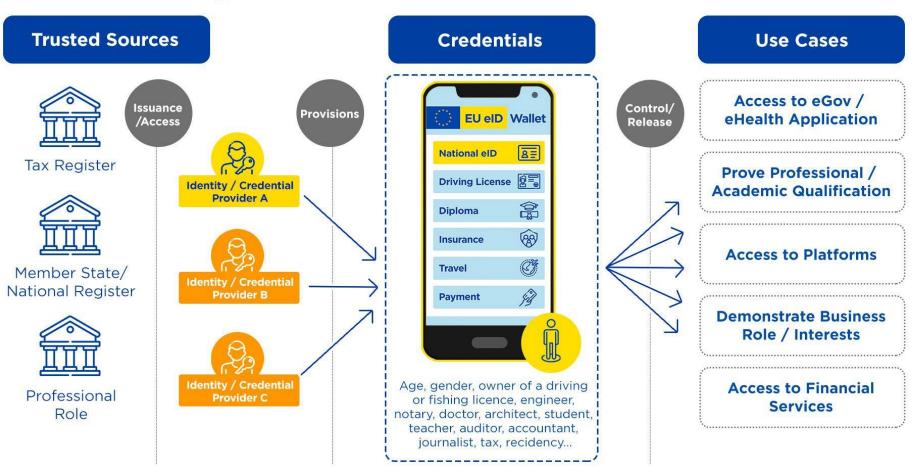


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eIDAS 2024 related activities

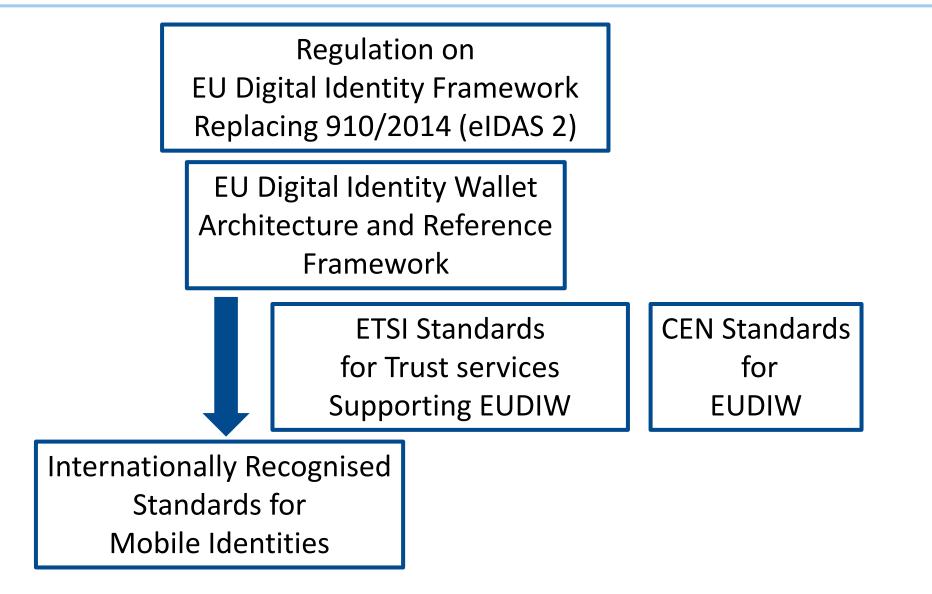


EUeID - Ecosystem



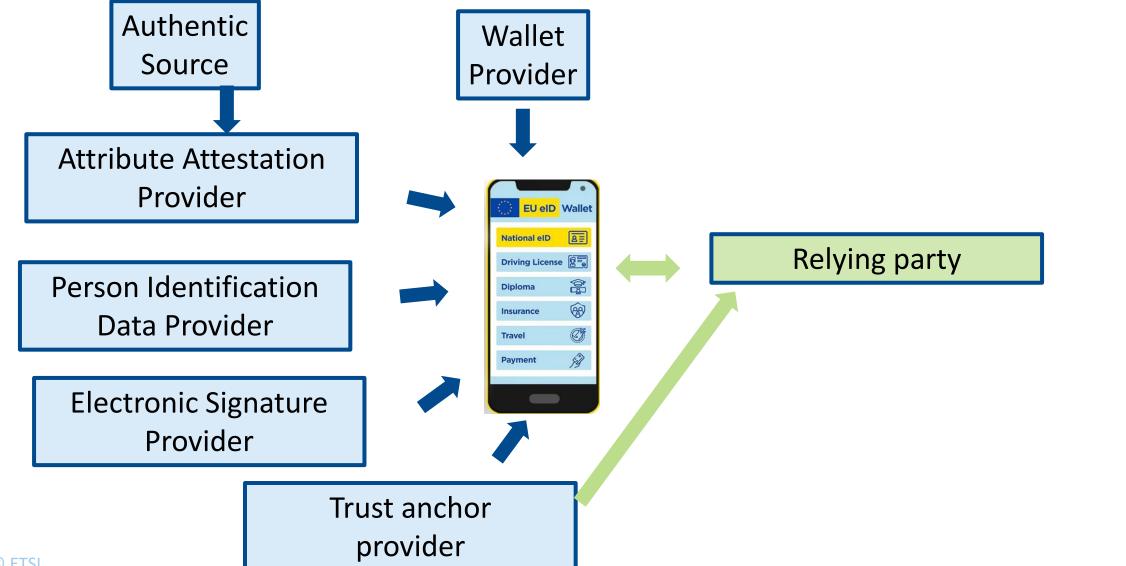


Standards & EU Digital Identity Wallet



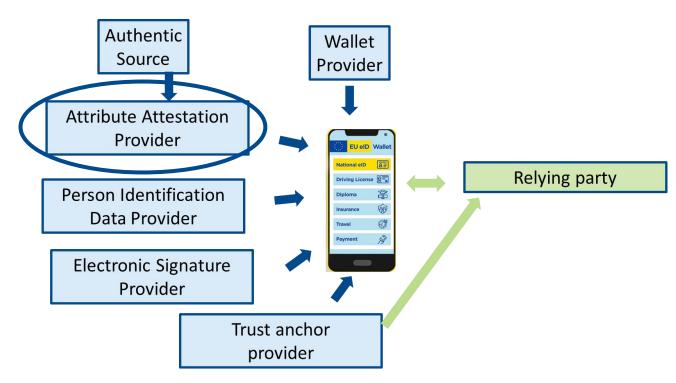


Main components and Interfaces for EUDI Wallet





ETSI Standards for Electronic Attestation of Attributes



Existing TSP standards

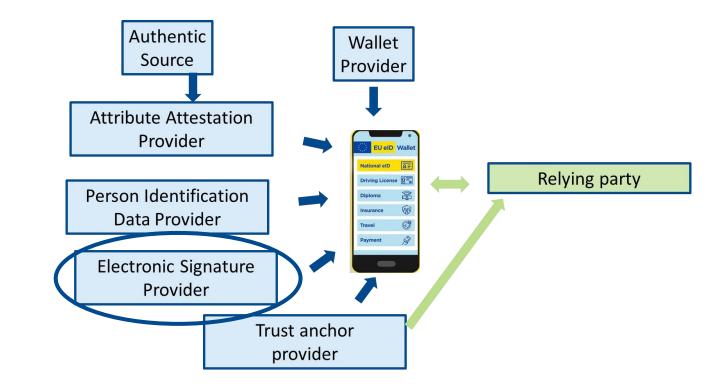
- ✓ EN 319 401: General TSP policy & security requirement (NIS2)
- EN 319 403:TSP conformity assessment

To be specified

- Policy and security requirements
- Profile of internationally recognised standards
- ✓ Support for selective disclosure
- ♥ Interface to wallet

ETSI Standards for Electronic signature





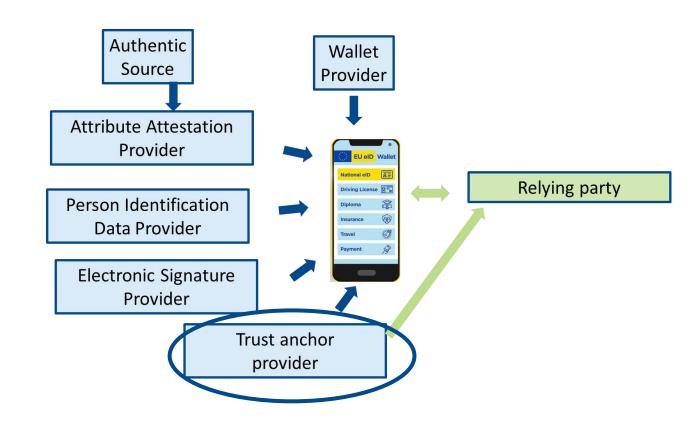
Existing standards

- ✓ EN 319 411-1 & -2: Policy & security standards

To be specified



ETSI Standards for Trust anchors



Existing

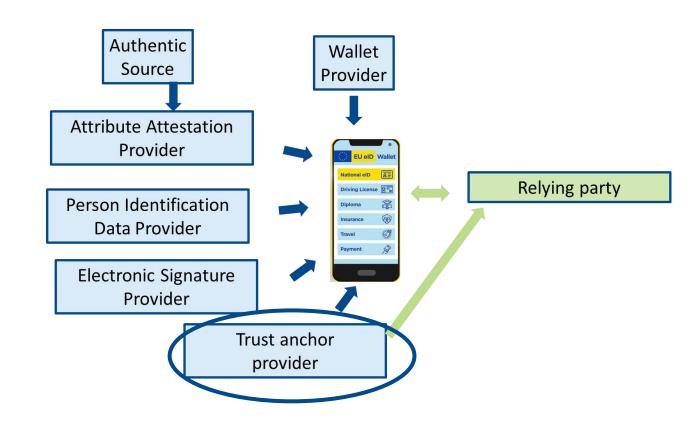
- ♥ TS 119 612: Trusted list
- ♥ TS 119 615: Using trusted lists

To be specified:

- ✓ Support for new trust services
- ✓ Support for other trust anchors



ETSI Standards for Trust anchors



Existing

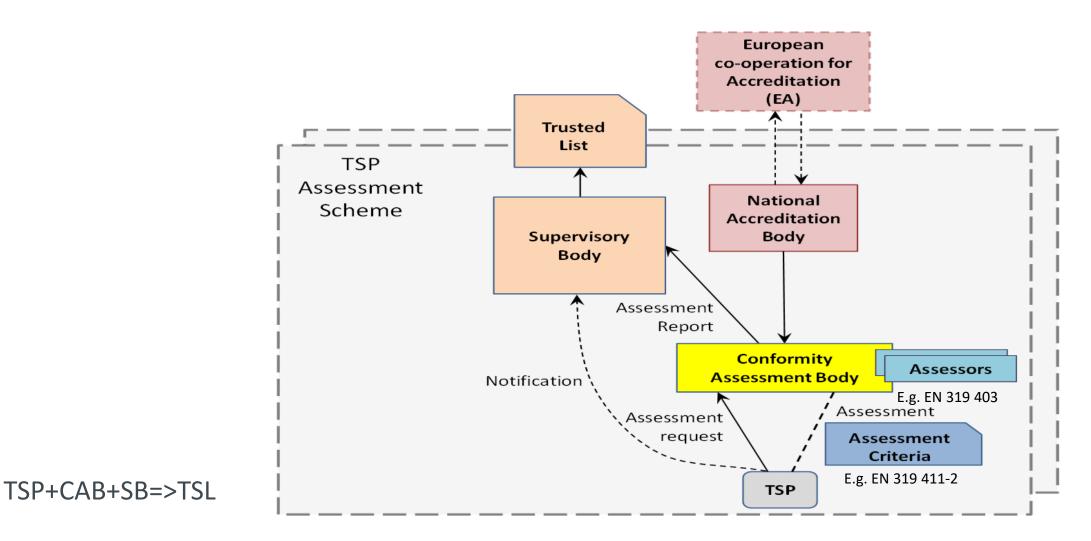
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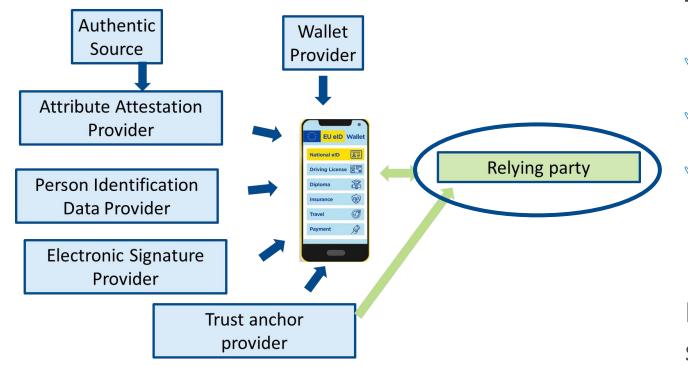
eIDAS Audit Framework (Art 17, 18, 19)



C ETSI



ETSI Standards for relying party use of wallet



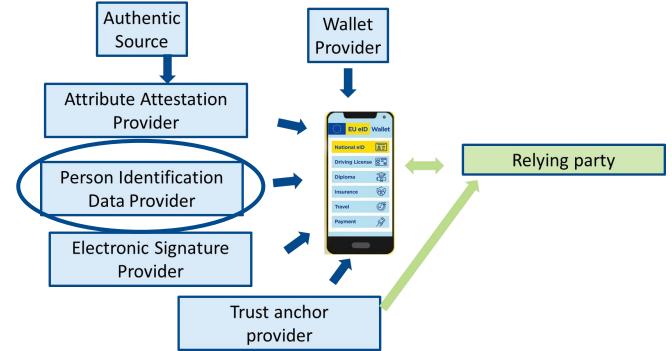
To be specified:

- ♥ Wallet authentication
- Presentation of wallet held attributes as selected by the wallet holder

Profile of internationally recognised standards



CEN Standardisation and ETSI overlap



CEN- Draft TS Guidelines for the onboarding of user personal identification data within European Digital Identity Wallets

Overlap:

 \bigvee

- Common syntax:
- o CEN: Personal identification data
- ETSI: electronic attestation of attributes
- Common identity proofing requirements:
 - o CEN: Personal identification data
 - ETSI: electronic attestation of attributes
 - ETSI: Signing certificates



ETSI Further information

Information on Signatures and Trust Services standards : <u>https://portal.etsi.org/TBSiteMap/ESI/ESIActivities.aspx</u>

ETSI standards: available for free download: <u>http://www.etsi.org/standards-search</u>

News list on Signatures and trust services: <u>https://list.etsi.org/scripts/wa.exe?SUBED1=e-signatures_news&A=1</u>

EU Pilot for the International Compatibility of Trust Services <u>https://esignature.ec.europa.eu/efda/intl-pilot/</u>

