

The Standards People

# ETSI Standards Update CA/B-Forum Boston– October 2023

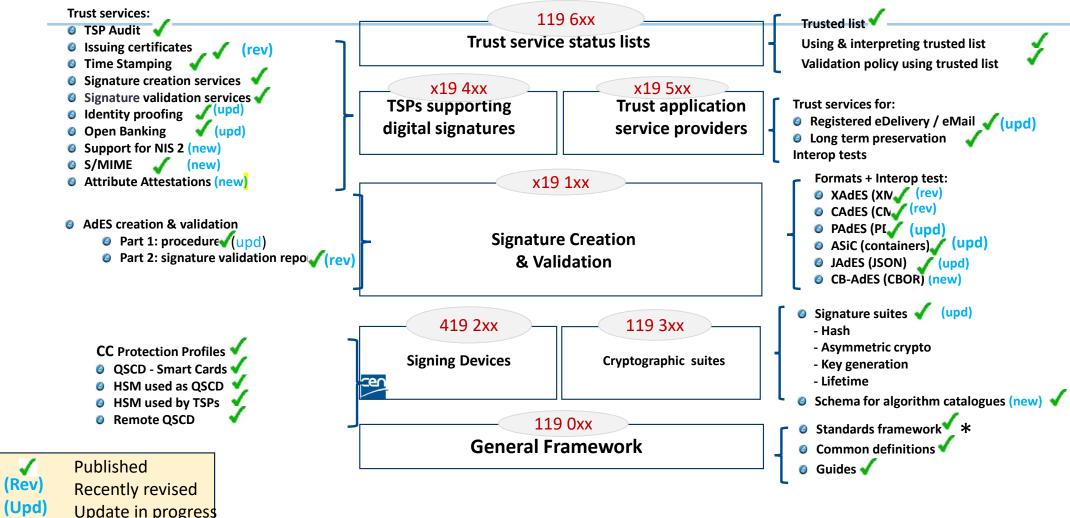
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### ETSI & CEN Standards supporting eIDAS – the overall pictur



ADD SECTION NAME

5

(New)

New

### Trust services issuing certificates



Trust services:

- 🥘 TSP Audit 🛛 🖌
- Issuing certificates

\*

- Time Stamping
- Signature creation service
- Signature validation ser
- 🧧 Identity proofing 💊
- Open Banking
- Support for NIS 2 (new)
- Ø Attribute Attestations (new
- Ø AdES creation & validation
  - 🧧 Part 1: procedures 🗸 🤸
  - Part 2: signature validatio

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

Ø Remote QSCD

Completed
Update in pro
New

- EN 319 411-x Cert Policies: ETSI Approved EN Approval aim 6 Oct
  - 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 – EN Approval aim 6 Oct

- 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
- 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 issuing certificates CA/ Browser Forum Alignment & QWAC Policies



- Fully aligned with the CA/Browser forum Guidelines for the Issuance and Management of Extended Validation Certificates
- Meets the requirements for EU qualified certificate

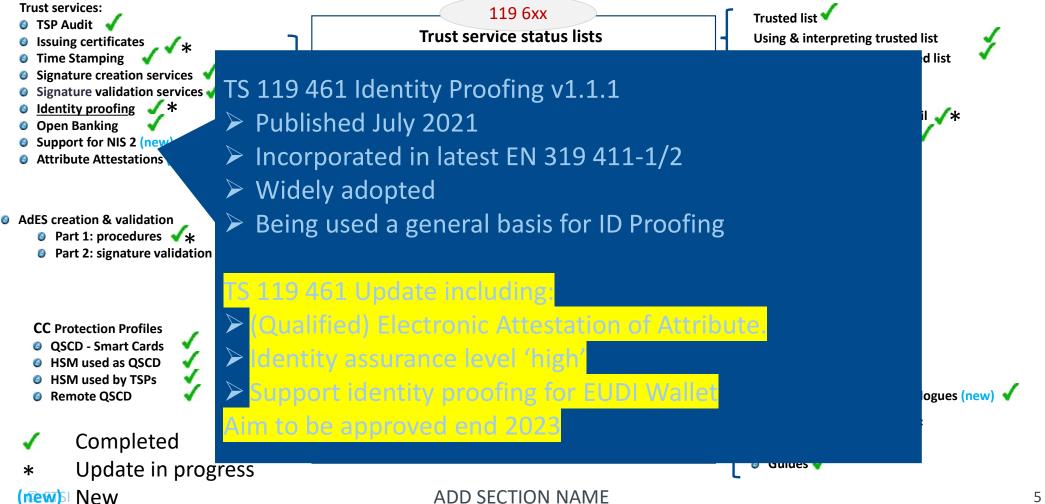
#### QNCP-w:

- Fully aligned with the CA/Browser Forum Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates
- Meets the requirements for EU qualified certificate

#### **QNCP-w-gen:**

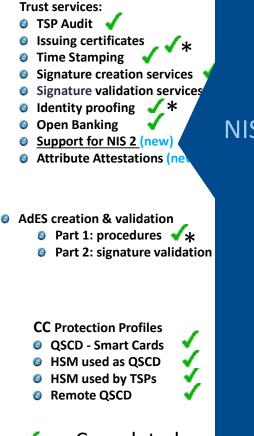
- Specific requirements for domain name validation as specified by CA/Browser Forum
- Meets requirements for EU qualified certificates.

### **Trust Services – ID Proofing**



### **Trust Services & NIS 2**





Completed
Update in prog
(new)
New

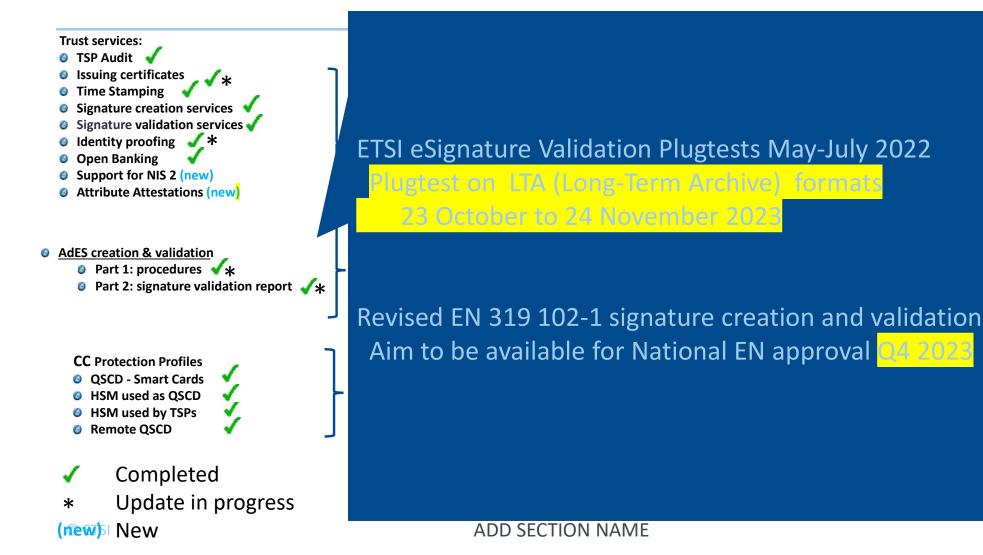
### NIS2 and Trust Services:

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

Aim to be available for National EN approval Nov 2023

### Signature creation and Validation

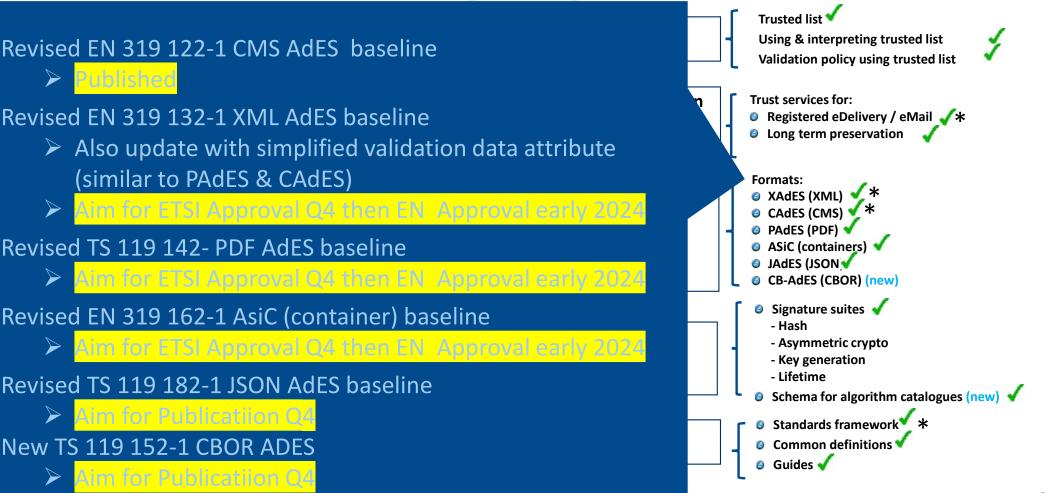




## Signature formats

Published





Revised EN 319 132-1 XML AdES baseline

- Also update with simplified validation data attribute (similar to PAdES & CAdES)
- Aim for ETSI Approval Q4 then EN Approval early 2024

Revised TS 119 142- PDF AdES baseline

Aim for ETSI Approval Q4 then EN Approval early 2024

Revised EN 319 162-1 AsiC (container) baseline

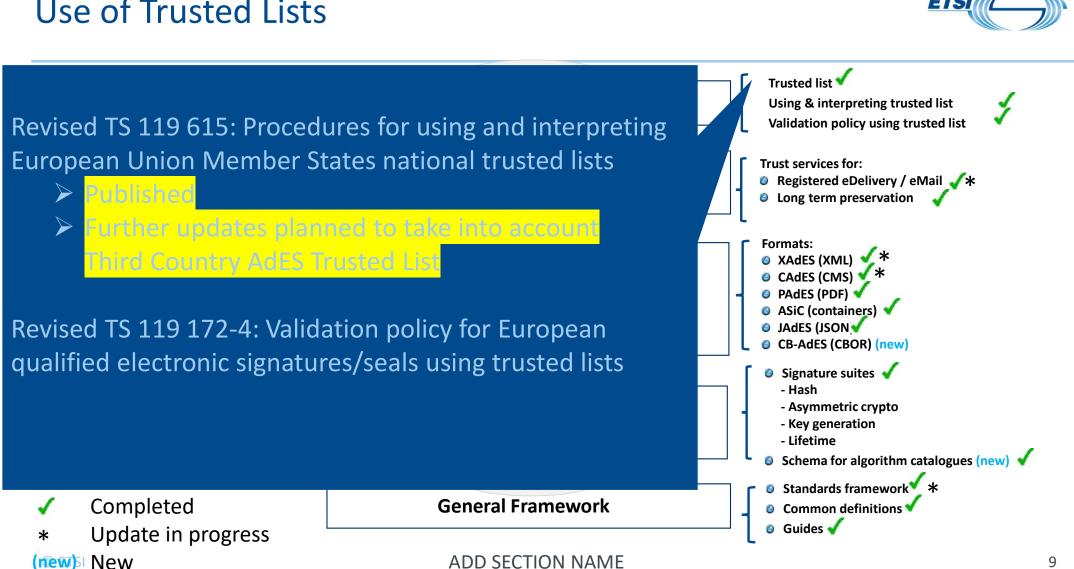
Aim for ETSI Approval Q4 then EN Approval early 2024

Revised TS 119 182-1 JSON AdES baseline

for Publicatiion Q4

New TS 119 152-1 CBOR ADES

Aim for Publicatiion Q4



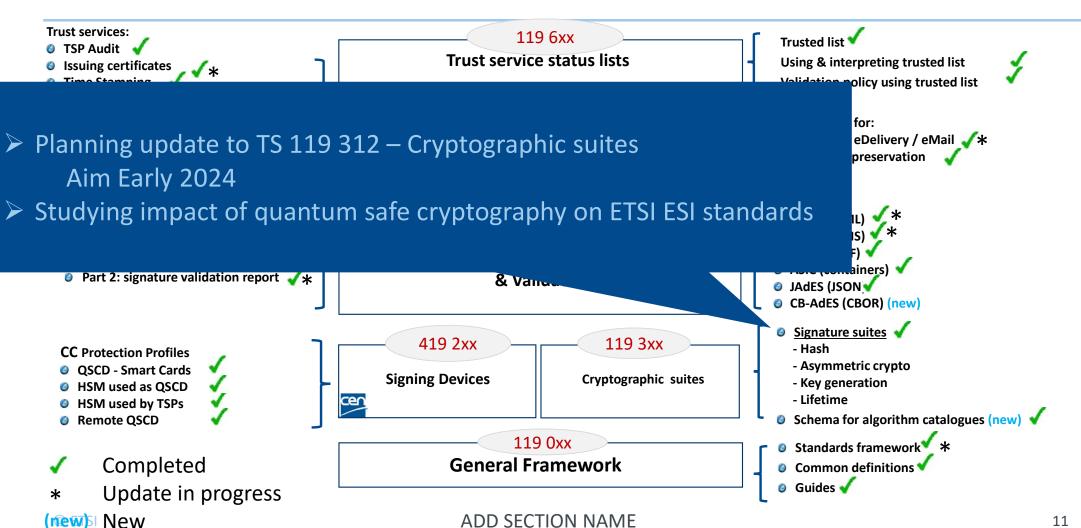
### Use of Trusted Lists

### Next Generation Electronic Registered Delivery Services (inc Registered eMail)

**ETSI Funded Specialist Task Force** Trusted list 🗸 Using & interpreting trusted list Maintenance of existing standards Validation policy using trusted list eDelivery: EN 319 522-x Trust services for: eMail: FN 319 532-x Long term preservation Testing TS 119 524-x , TS 119 534-x Study into use of new technologies Formats: XAdES (XML) **Electronic Ledgers** CAdES (CMS) Ø PAdES (PDF) elD aSiC (containers) JAdES (JSON O CB-AdES (CBOR) (new) ... Signature suites Revised framework for Registered eDelivery / eMail - Hash standards - Asymmetric crypto - Key generation - Lifetime Schema for algorithm catalogues (new) Standards framework \* **General Framework** Completed Common definitions 🧧 Guides 🗸 Update in progress \*

(new) New

ETS



## **Cryptographic suites**



#### Sophia Antipolis, 20 September 2023

ETSI has published a new standard on "<u>Requirements for trust service providers issuing publicly trusted S/MIME certificates</u>" (ETSI <u>TS 119 411-6</u>) helping Trust Service Providers comply with new standards for S/MIME certificates that are enforced since 1 September 2023. Secure MIME (S/MIME) certificates are used to sign, verify, encrypt, and decrypt email messages.

Since the 1st of September 2023, all TSPs issuing digital certificates used for S/MIME that are publicly trusted in certain operating systems and root certificate programs must comply with the S/MIME Baseline Requirements published by the CA/Browser Forum. The new ETSI standard will assist Trust Service Providers in asserting their compliance, when required. It will enable the same public key certificate used for signing electronic mail accepted by major IT solution providers (e.g., Microsoft, Apple, Google) to be also recognized as meeting the EU requirements for electronic signatures, issued to individual persons, and electronic seals, issued to organizations.

This new standard supports the EU regulation for electronic identities, authentication, and signatures (eIDAS – Regulation (EU) 910/2014) and builds on the policy requirements for Trust Service Providers (TSPs), the ETSI EN 319 411 series of standards used for eIDAS audits.

### **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 <a href="http://www.etsi.org/standards-search">http://www.etsi.org/standards-search</a>

CEN standards: available through National Standards Organisations

Updates on standardisation:

https://list.etsi.org/scripts/wa.exe?SUBED1=e-signatures\_news&A=1

