



The Standards People



ETSI standards for trust services and digital signatures - Overview

Presented by: **Nick Pope**
Security & Standards Associates

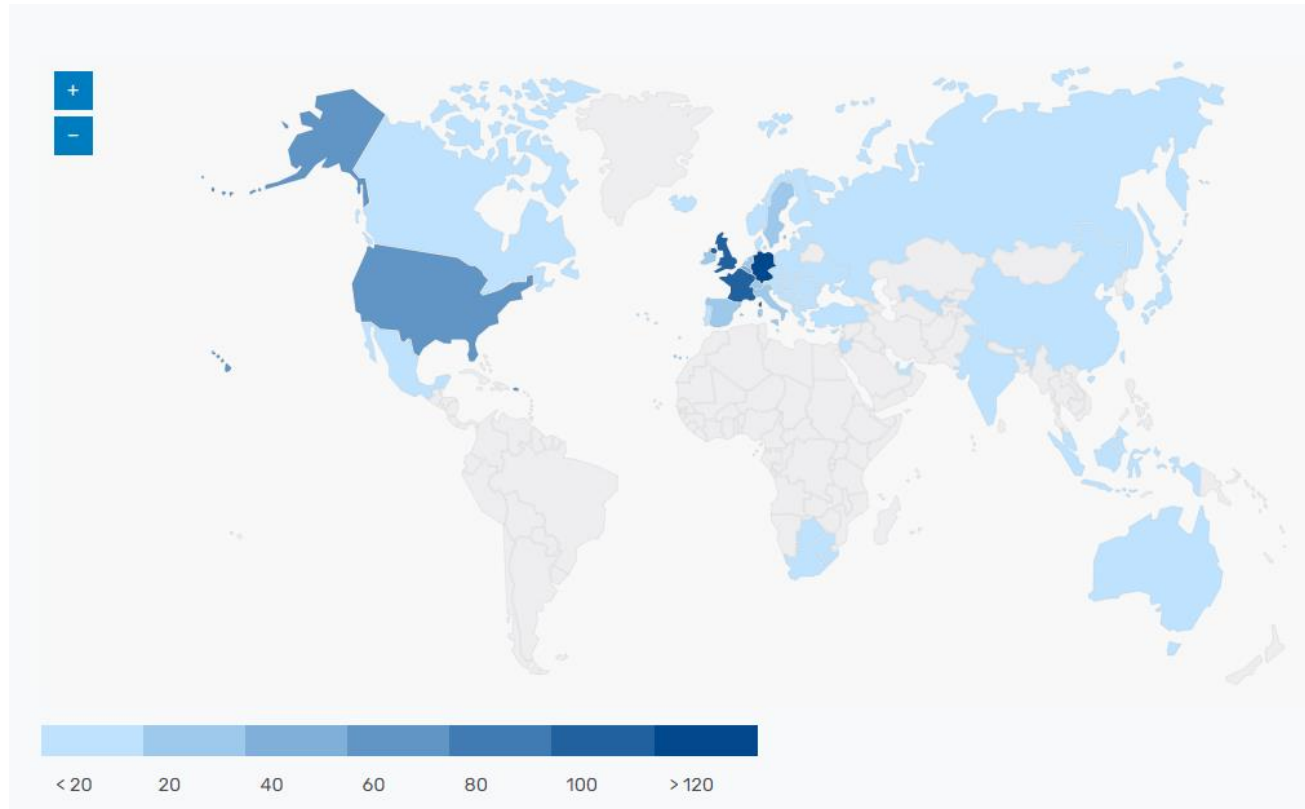
For: **ETSI Standards Training
Webinar**

01.06.2021

Agenda for the day

Time	Topic	Presented by
11:00	1) Overview of ETSI TSP standards	Nick Pope (Security & Standards Associates)
11:20	2) Signature formats & verification procedures	Andrea Rock (Universign) & Juan Carlos Cruellas (UPC)
11:40	3) Standards for TSPs issuing certificates	Sylvie Lacroix (Sealed) & Arno Fiedler (Nimbus)
12:00	Break	
12:15	4) Other Trust Application standards	Andrea Caccia (Small Business Standards), & Andrea Rock (Universign), & Juan Carlos (UPC)
12:35	5) TSP Supervision, Certification and Audit	Arno Fiedler (Nimbus)
12:55	6) Identity proofing	Sylvie Lacroix (Sealed)
13:15	Break	
13:30	7) Remote signing	Andrea Rock (Universign)
13:50	8) Trusted lists	Olivier Delos (Sealed)
14:10	9) Mutual recognition of non-EU trust service	Olivier Delos (Sealed)
14:30	10) Future trends, Discussion & Closing remarks	Nick Pope (Security & Standards Associates)
15:00	Close	

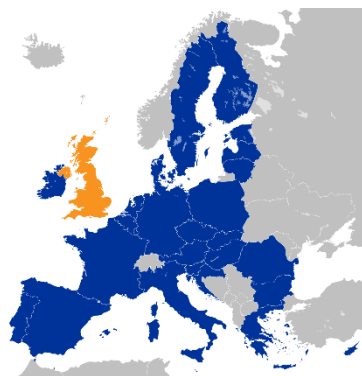
ETSI a Global Standardisation Body Based in the EU



- More than 900 member organizations worldwide,
- Drawn from 65 countries and five continents
- Recognised by EU as provider of European Norms

EU Qualified & Globally applicable standards

Global
Best Practices
+ eIDAS
Specific
Requirements



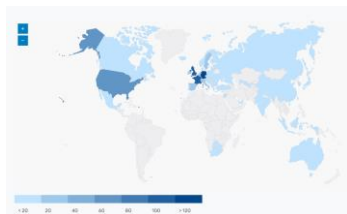
EU Qualified: EU Regulation 910/2014 defines specific requirements on practices which give legal assumption.

These are met by specific options within ETSI standards



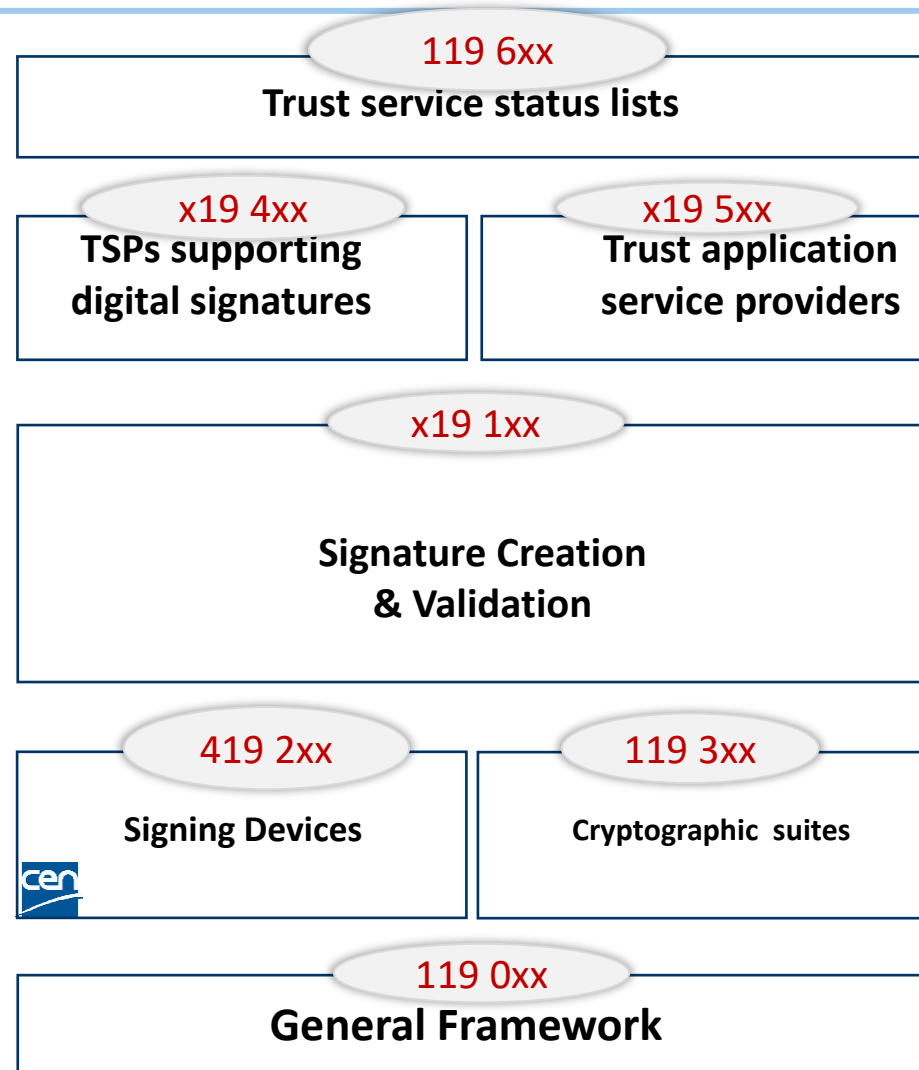
Global
Best Practices

(e.g. ISO,
CA / Browser Forum)



ETSI Standards: Build on globally accepted best practices and can be applied to context

Framework for ETSI Standardisation for Digital Signatures and Trust Service



Note: ETSI Standards

TR 119 xxx = Technical Report

TS 119 xxx = Technical Specification

EN 319 xxx = European Norm

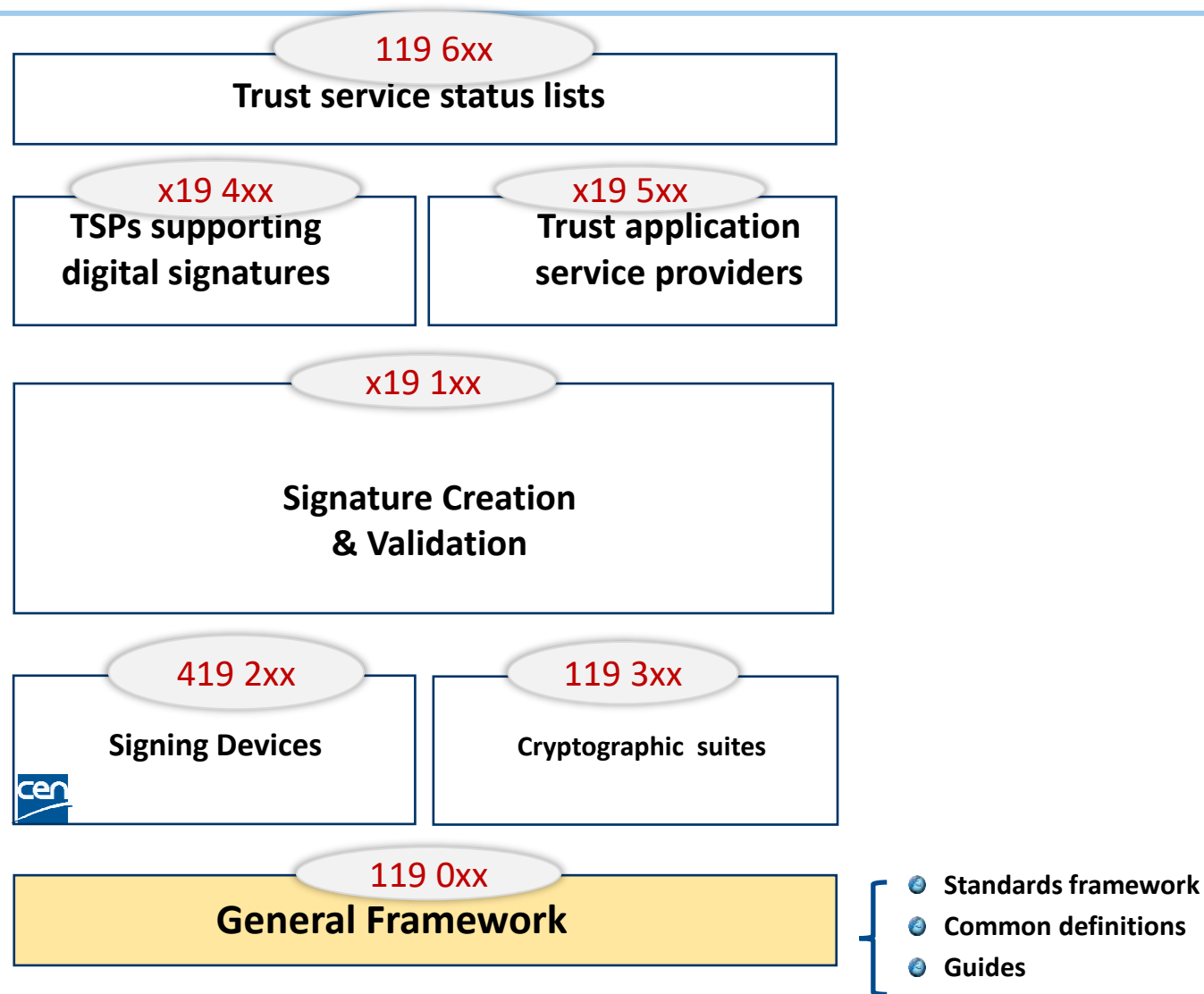
CEN standards:

TR 419 xxx = Technical Report

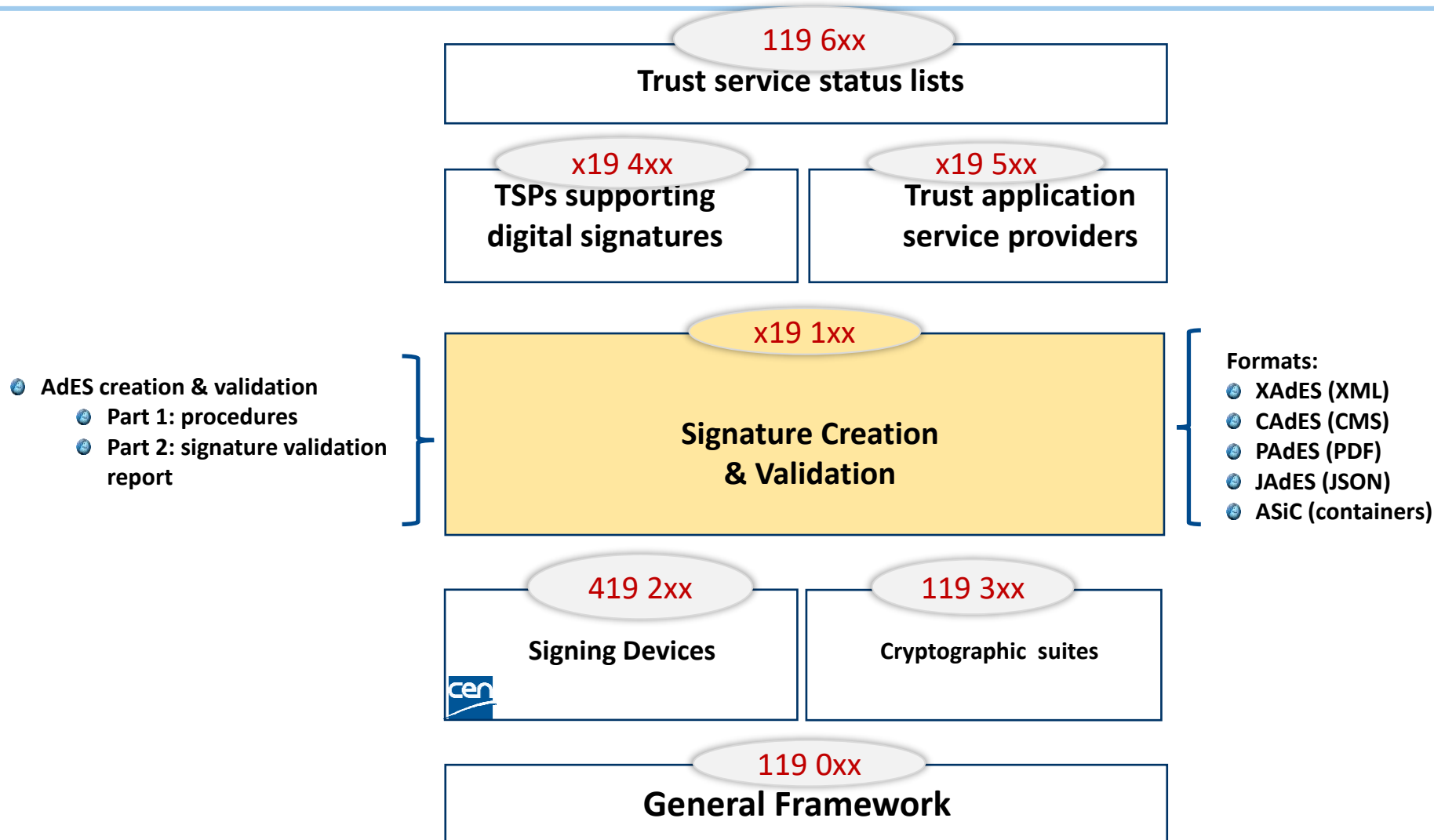
TS 419 xxx = Technical Specification

EN 419 xxx = European Norm

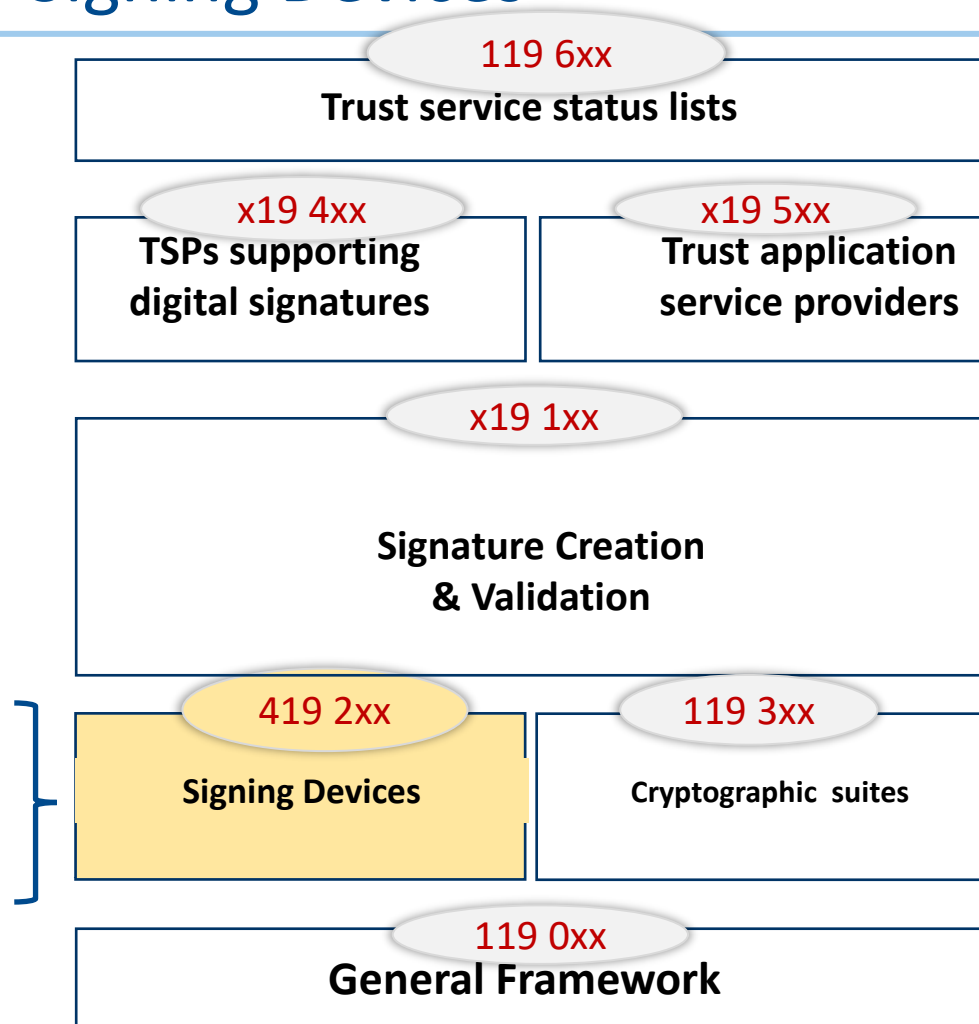
Framework- General



Framework – Signature Creation & Validation



Framework – Signing Devices



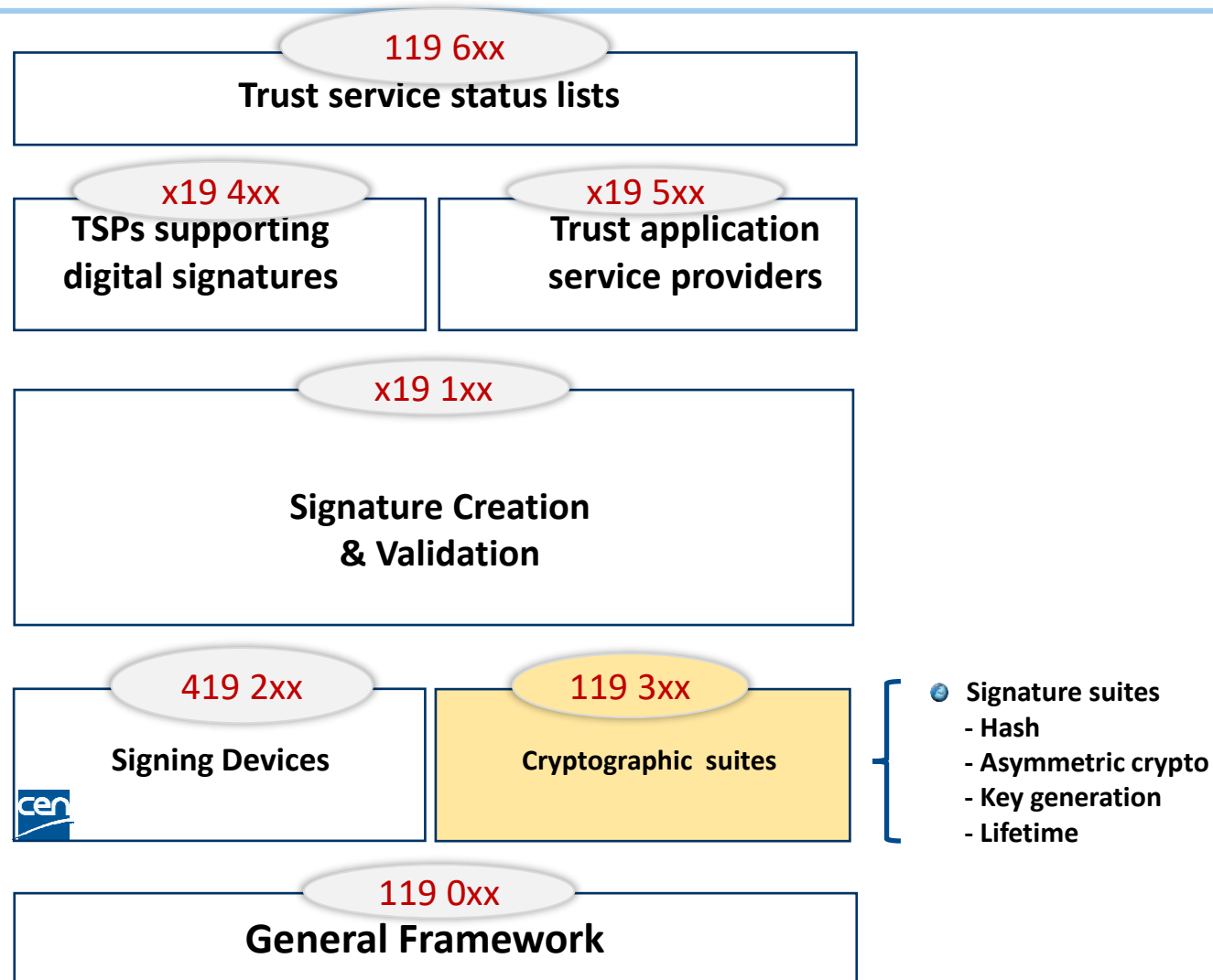
CC Protection Profiles

- QSCD - Smart Cards
- HSM used as QSCD
- HSM used by TSPs
- Remote QSCD

EU list of Approved Devices:

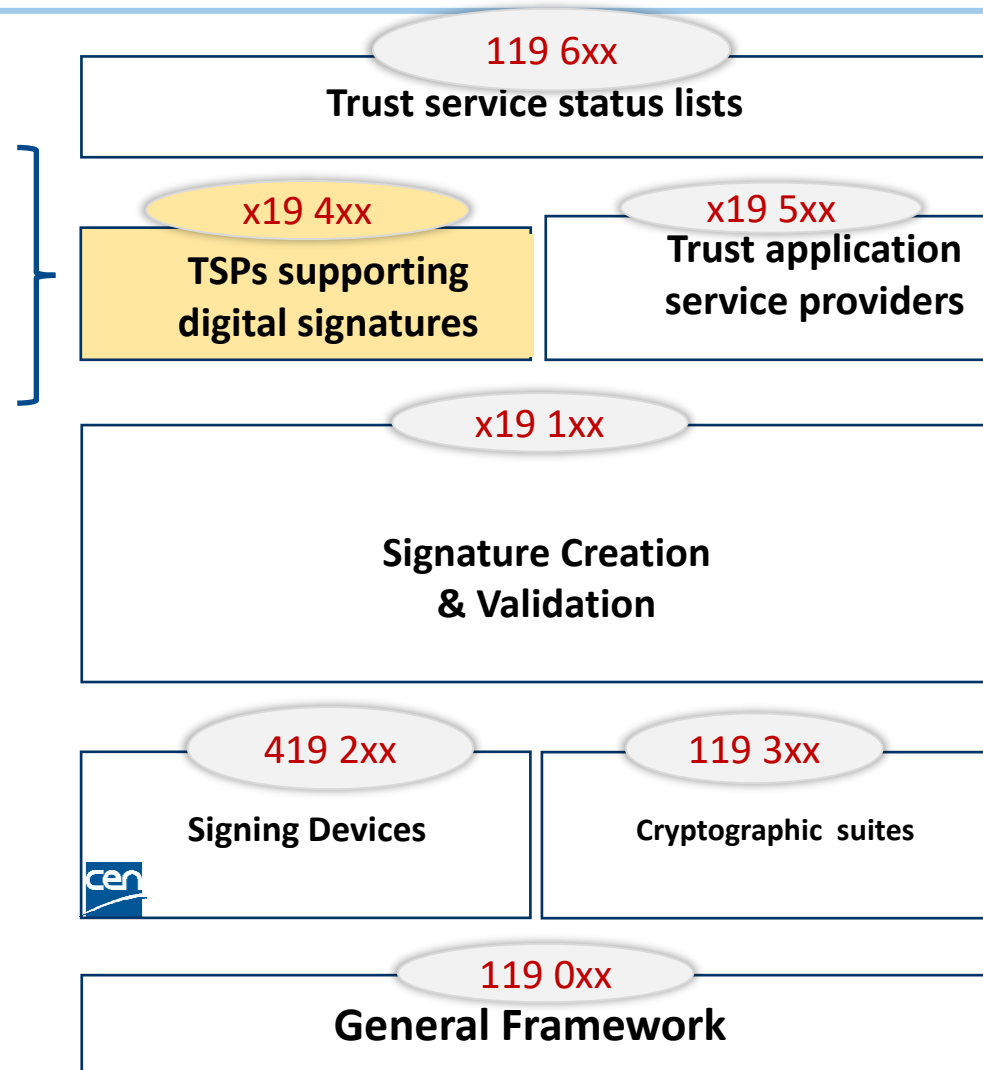
<https://ec.europa.eu/futurium/en/content/compilation-member-states-notification-sscds-and-qscds>

Framework - Cryptographic Suites

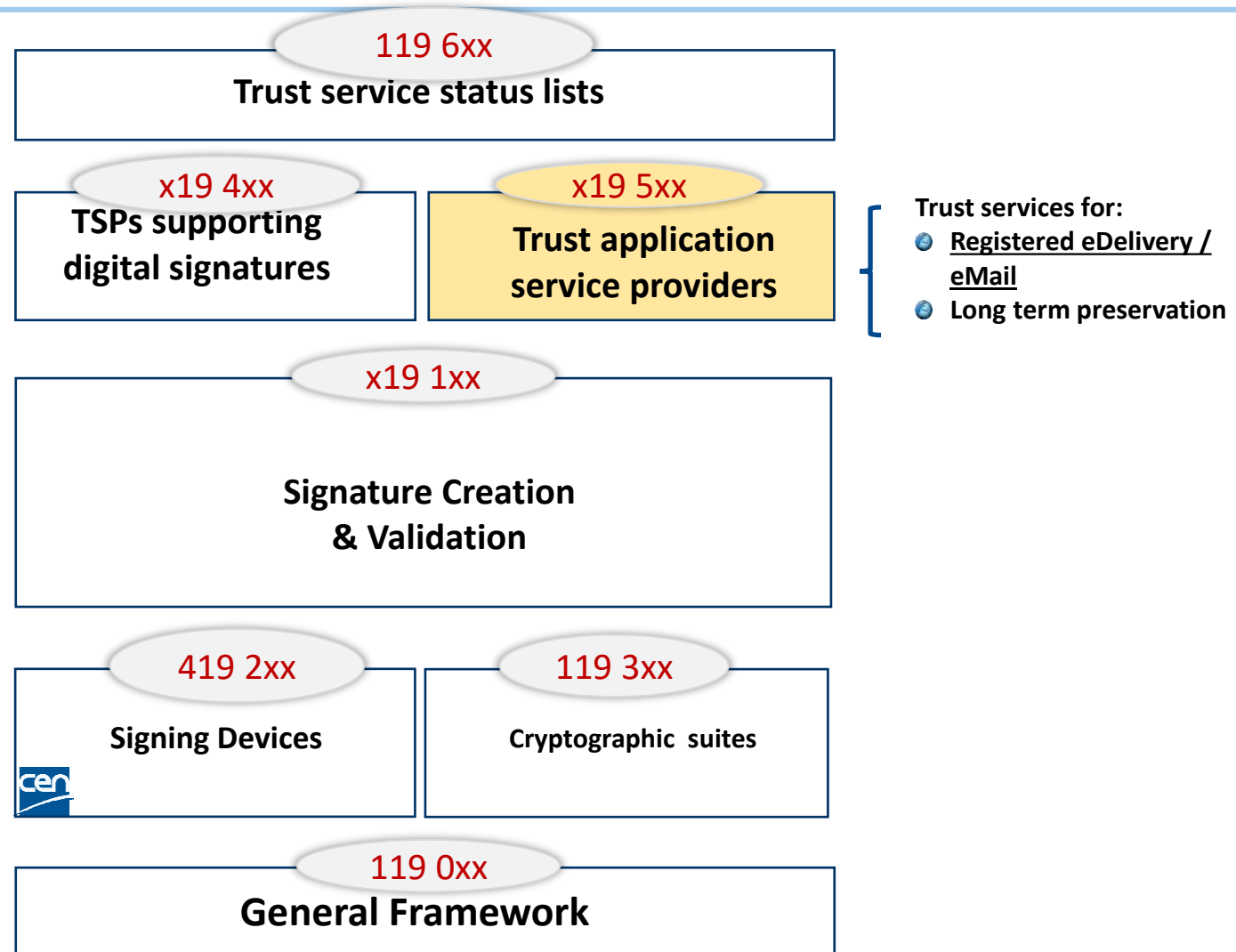


Framework for ETSI Standardisation for Digital Signatures and Trust Service

- Trust services for:
- Issuing certificates
 - Time Stamping
 - Signature creation services
 - Signature validation services



Framework for ETSI Standardisation for Digital Signatures and Trust Service



Framework for ETSI Standardisation for Digital Signatures and Trust Service

