ETSI TSP & CYBER SECURITY CERTIFICATION COORDINATION ISSUES

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# ETSI ELECTRONIC SIGNATURES AND INFRASTRUCTURES

➢ETSI ESI started in 2001 to define requirements for "trust service provider" aka "Certification Authorities"

➢ETSI Certification Policies are accepted for Audits under eIDAS and CA/B-Forum regime

➢More than 100 Trust Services in Europe follow the ETSI CPs

➢More than 15 Certification Audit Bodies are recognized by eIDAS **and** CA/B-Forum

ETSI AUDIT SCHEME UNDER eIDAS


Courtesy of ETSI/ESI
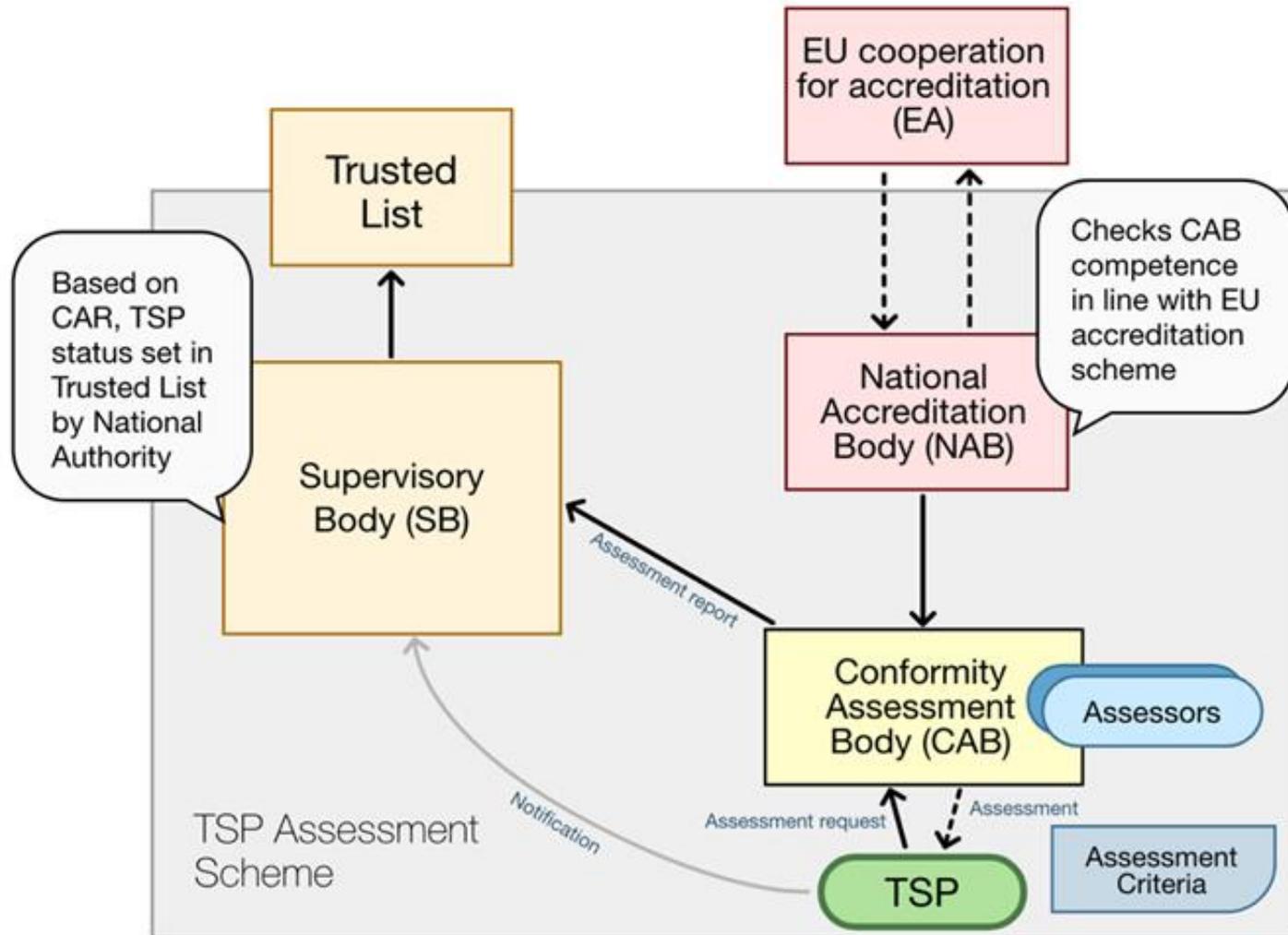
ETSI / EA COORDINATION ON ACCREDITATION

- ETSI EN 319 403 (based on ISO 17065) defines requirements on Conformity Assessment Bodies – CABs

- CAB Accreditation against ETSI EN 319 403 carried out by National Accreditation Bodies – NABs coordinated through European Cooperation for Accreditation - EA

- Coordination required between ETSI & EA to ensure CAB accreditation in line with NAB expected practices
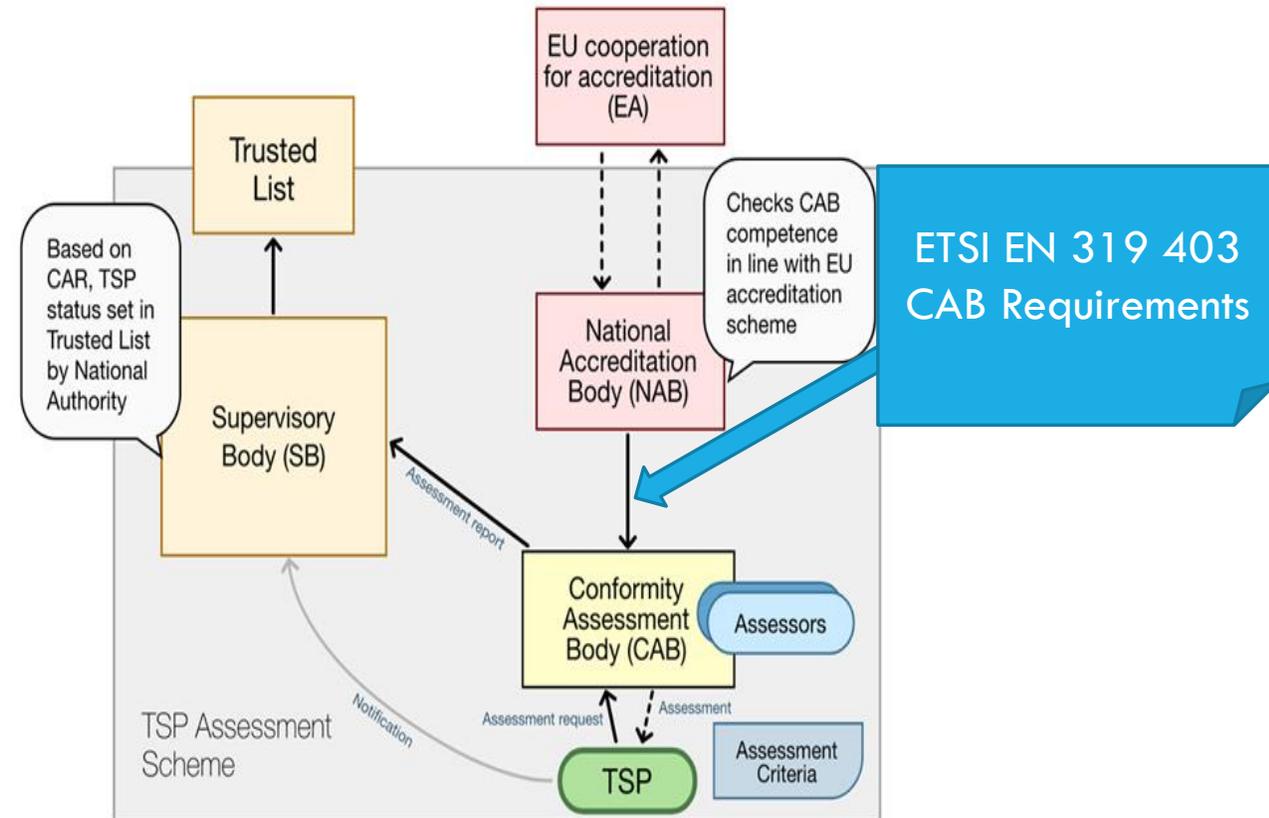
ETSI / EU COORDINATION ON TSP AUDIT

➢ ETSI EN 319 4x1 and EN 319 5x1 standards define best practice for meeting EU eIDAS regulation

➢ Coordination required with EU supervisory bodies to demonstrate how ETSI best practices meet requirements of EU regulation

➢ EN 319 403 defines requirements on CAB including requirements of the assessment report

➢ Coordination required with EU supervisory bodies to ensure the assessment report provides information required
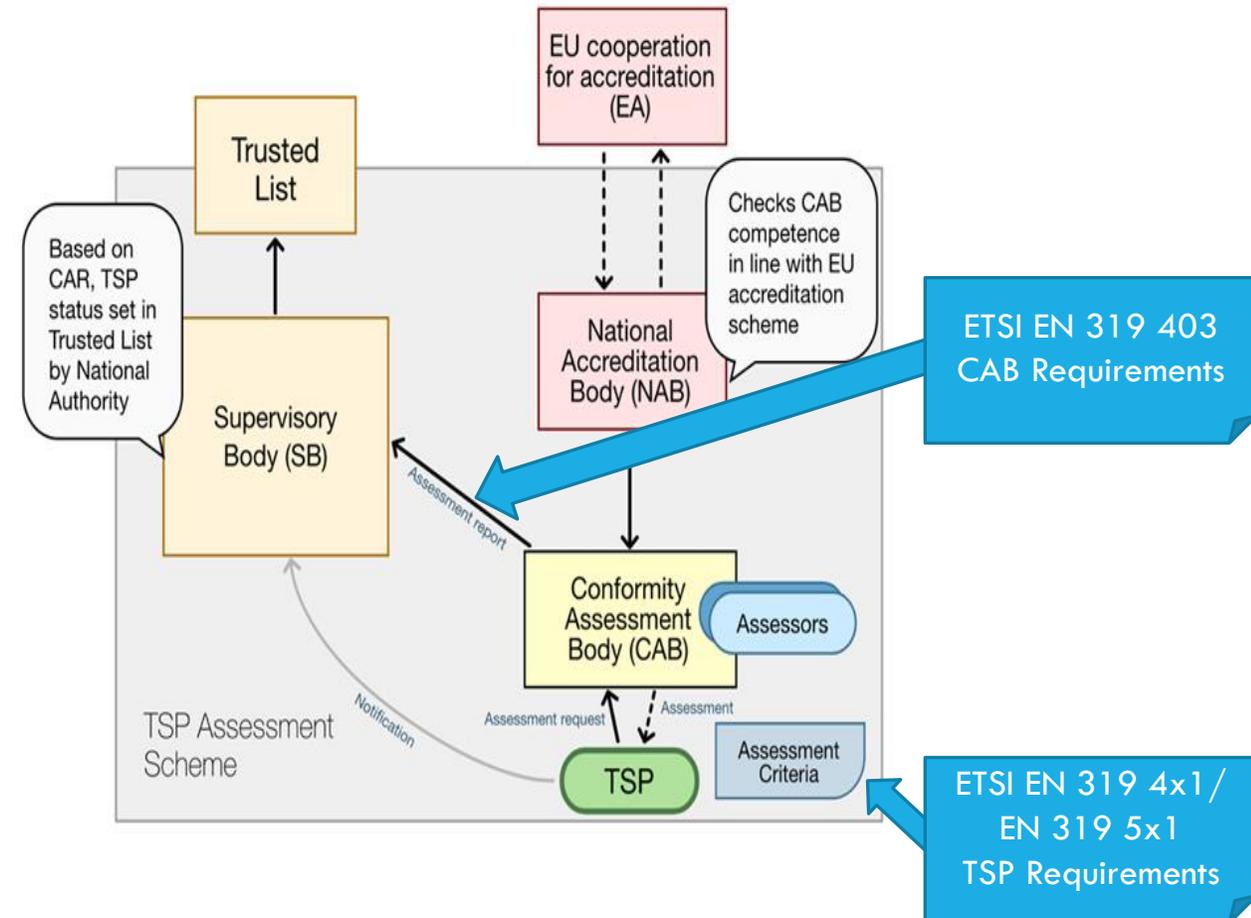
ETSI – CA/B FORUM COORDINATION ON TSP AUDIT

➤ ETSI EN 319 411-1 standard define best practice for meeting CA/Browser forum requirements

➤ Coordination required with CA/B Forum to includes ETSI best practices as a means for meeting CA/Browser forum requirements

➤ EN 319 403 defines requirements on CAB including requirements of the assessment report

➤ Coordination required with application providers to ensure the assessment report provides information required
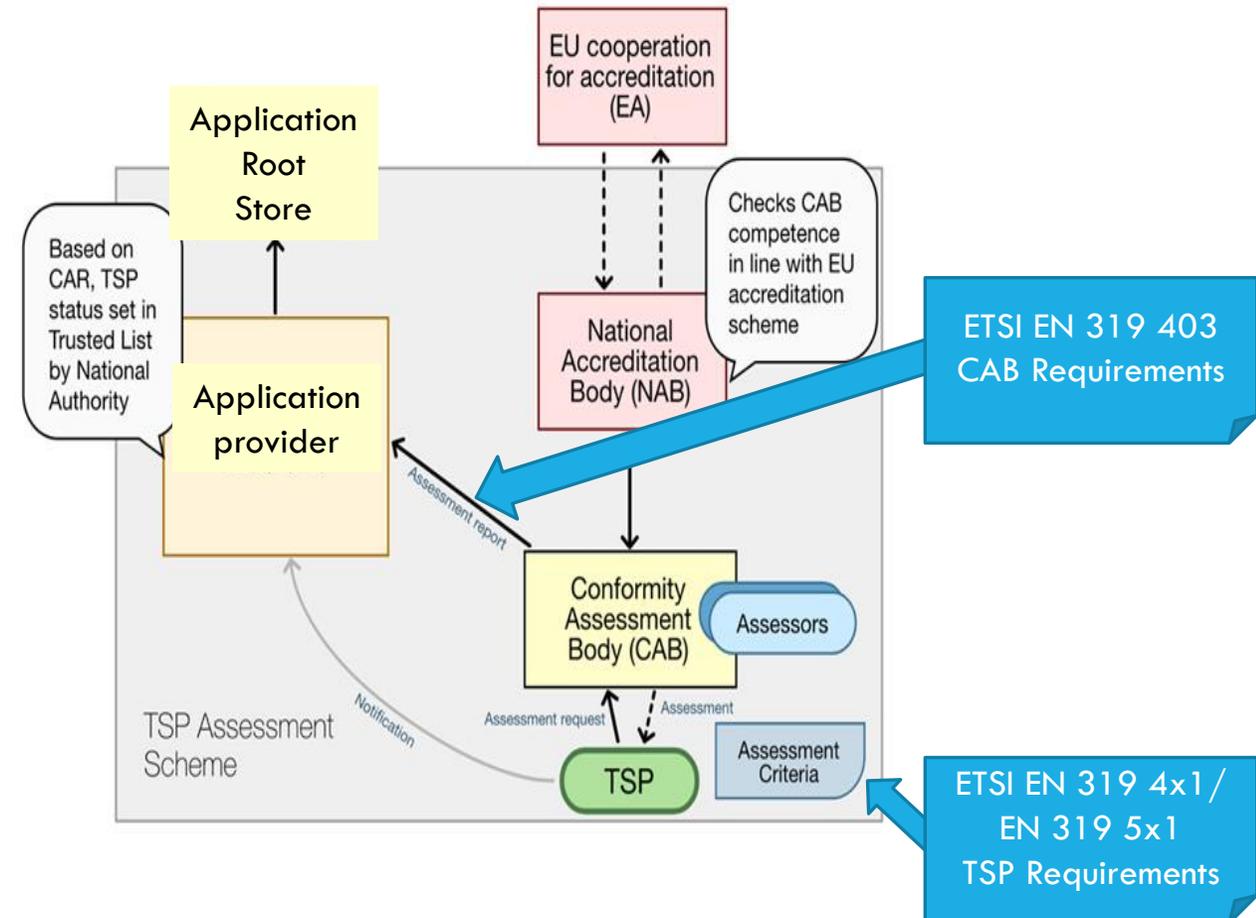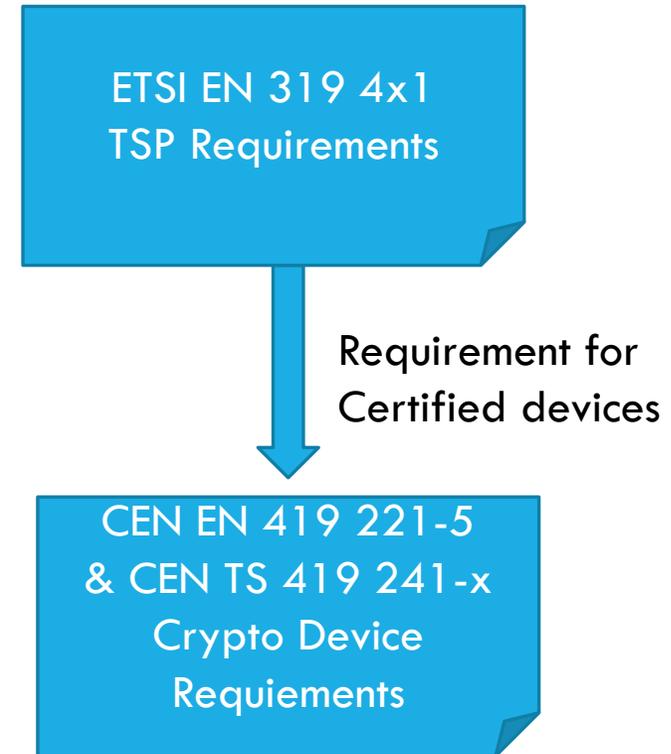
ETSI / CEN COORDINATION ON STANDARDISATION

➢ ETSI EN 319 4x1 standards require use of certified cryptographic devices

➢ The CEN "product" certification makes assumptions about the environment and configuration in which device is operated.

➢ The ETSI standard requiring a certified device needs to confirm that requirements for the environment and configuration of the device are met.

➢ Coordination needed between ETSI and CEN as to what are the assumptions and how these assumptions met.

ETSI EN 319 4x1
TSP Requirements

Requirement for
Certified devices

CEN EN 419 221-5
& CEN TS 419 241-x
Crypto Device
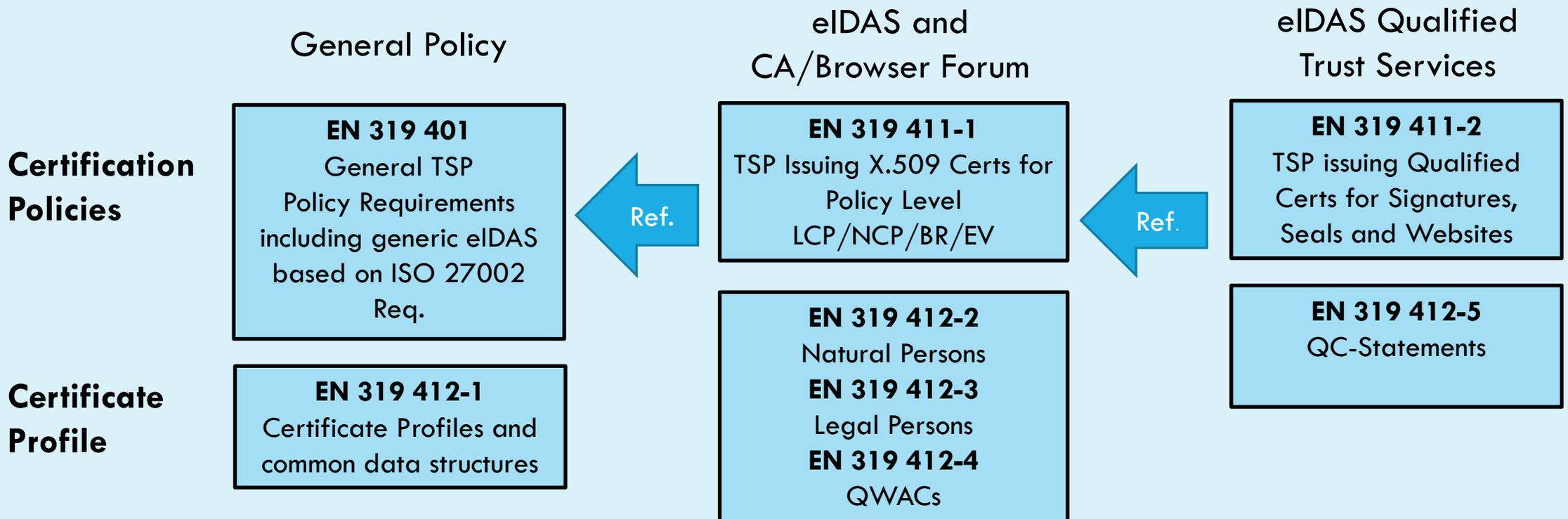Requiements

THANK YOU for YOUR ATTENTION!

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EN 319 403 TSP Conformity Assessment (based on ISO 17065) in context of European Accreditation for Audit Bodies

Conformity Assessment

	General Policy	eIDAS and CA/Browser Forum	eIDAS Qualified Trust Services
Certification Policies	**EN 319 401** General TSP Policy Requirements including generic eIDAS based on ISO 27002 Req.	**EN 319 411-1** TSP Issuing X.509 Certs for Policy Level LCP/NCP/BR/EV	**EN 319 411-2** TSP issuing Qualified Certs for Signatures, Seals and Websites
Certificate Profile	**EN 319 412-1** Certificate Profiles and common data structures	**EN 319 412-2** Natural Persons **EN 319 412-3** Legal Persons **EN 319 412-4** QWACs	**EN 319 412-5** QC-Statements

EN 319 411-1 Ref. → EN 319 401
EN 319 411-2 Ref. → EN 319 411-1

Checklist

- **TR 119 411-4:** Check-list for self-assessment or independent conformity assessment of TSPs issuing certificates according to EN 319 411-1 and/or EN 319 411-2 with 540+ controls

eIDAS REGULATION