Standardisation and Mandate/460

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(Electronic Signatures
and Infrastructures)

For: **ENISA Trust Services Forum**
- panel on standardisation/certification

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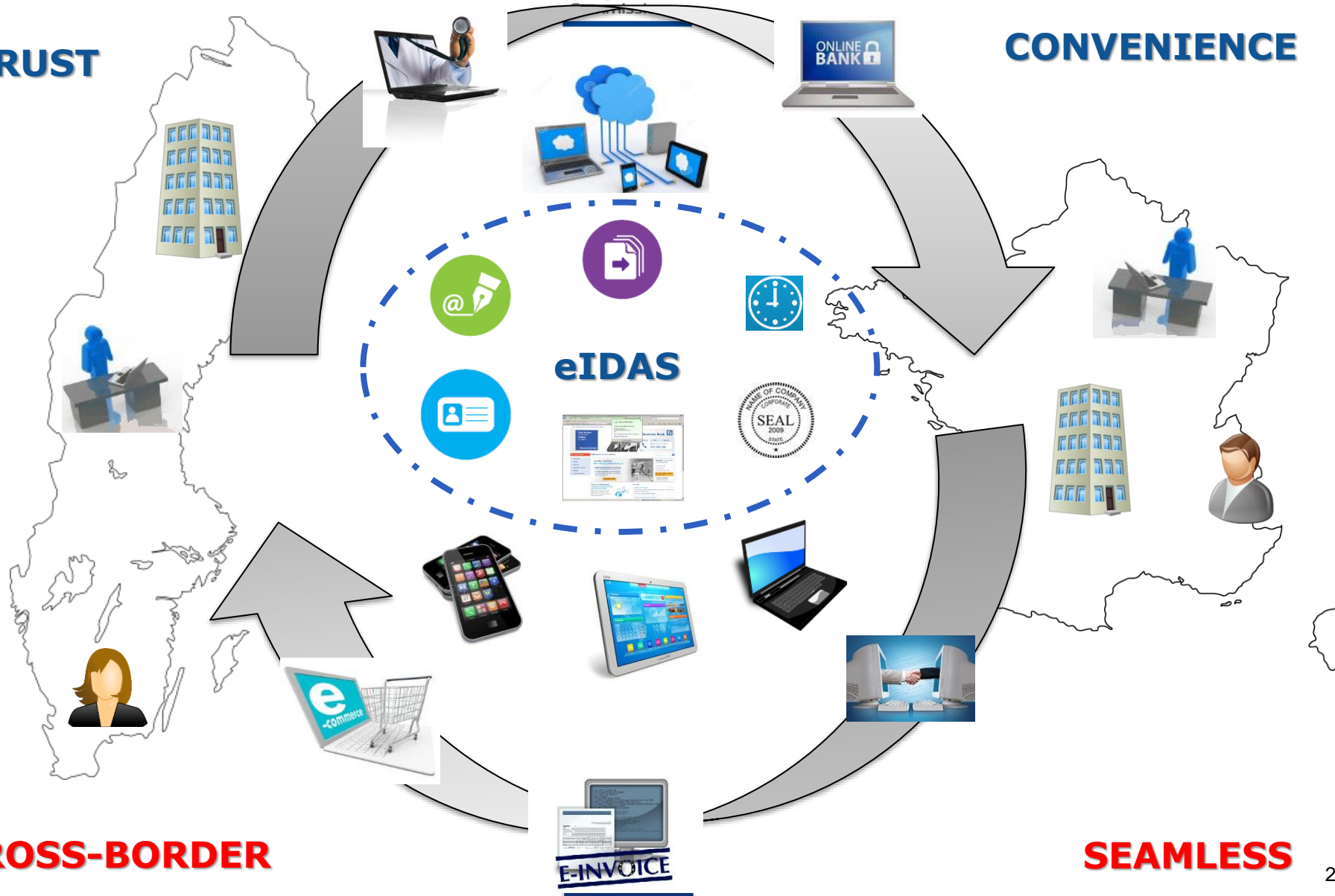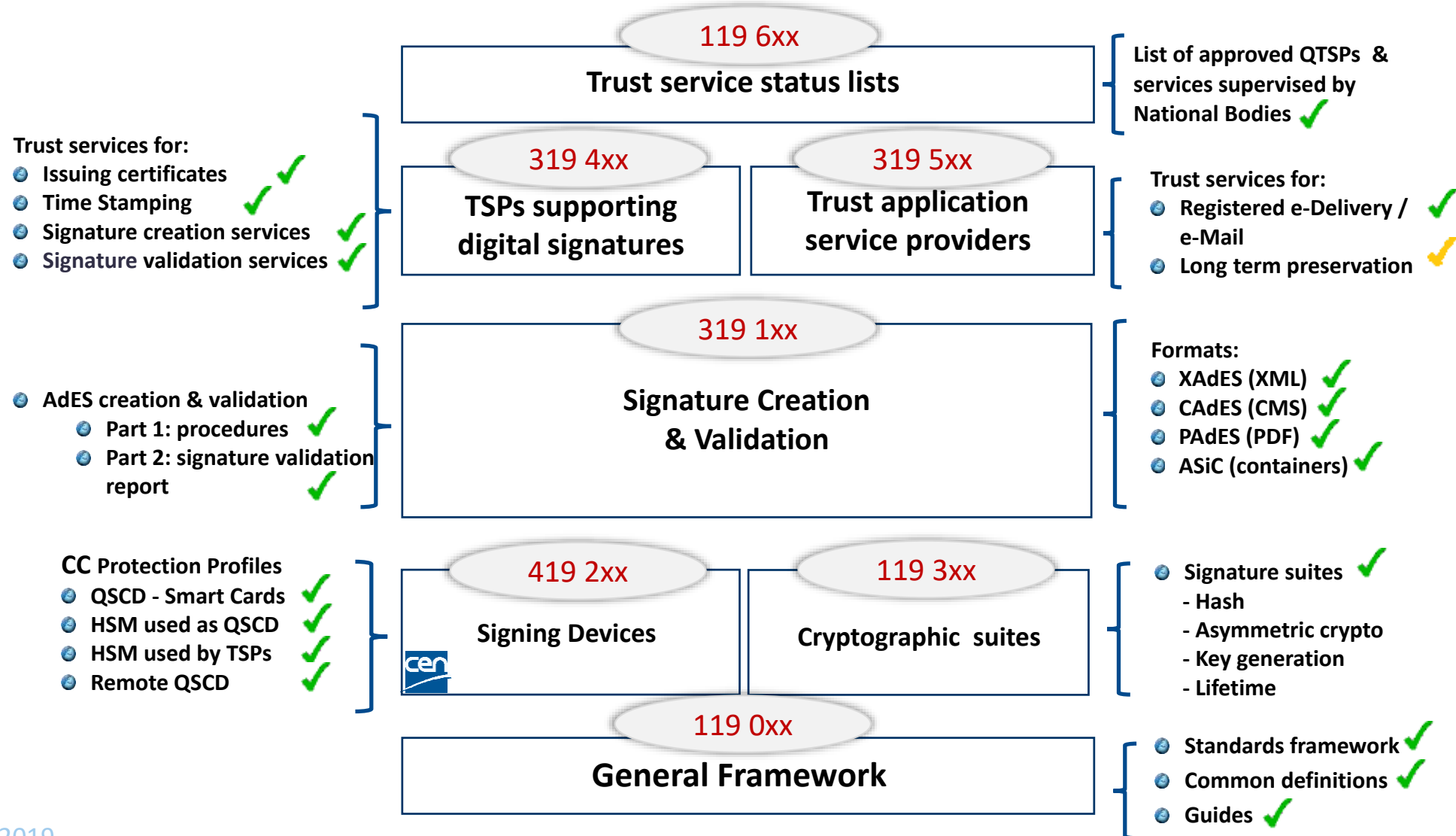**eIDAS: boosting trust &** **supporting businesses!**

TRUST

CONVENIENCE

eIDAS

CROSS-BORDER

SEAMLESS

2

eIDAS Standards Framework: Published Standards after M/460

ETSI

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Trust service status lists

List of approved QTSPs & services supervised by National Bodies ✔

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

319 4xx

TSPs supporting digital signatures

319 5xx

Trust application service providers

Trust services for:
- Registered e-Delivery / e-Mail ✔
- Long term preservation ✔

319 1xx

Signature Creation & Validation

AdES creation & validation
- Part 1: procedures ✔
- Part 2: signature validation report ✔

Formats:
- XAdES (XML) ✔
- CAdES (CMS) ✔
- PAdES (PDF) ✔
- ASiC (containers) ✔

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

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Signing Devices

cen

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Cryptographic suites

- Signature suites ✔
  - Hash
  - Asymmetric crypto
  - Key generation
  - Lifetime

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General Framework

- Standards framework ✔
- Common definitions ✔
- Guides ✔

Methodology

Main pillars for comparing PKI-based trust service schemes
(e.g. in a view of establishing recognition)

TRUST LOGO

TRUSTED LIS   RUSTED LISTS

SUPERVIS   UPERVISION & AUDITING MODEL

Legal context ←--- Equivalence? ---→ Legal context

Initiation
(initial assessment
accredited CAB)

Termination

QTSP & QTS
they provid

Supervision & auditing ←--- Equivalence? ---→ Supervision & auditing

Regular Aud
(at least every 24
by accredited CA

QTSP & QTS R
eIDAS PROVI   P & QTS LEGAL ROVISIONS

Best practice ←--- Equivalence? ---→ Best practice

BEST PRACTICES &
+ CEF eSignature bu   CTICES & STANDARDS upporting tools

Trust representation ←--- Equivalence? ---→ Trust representation