



Informationstag "Elektronische Signatur"

Gemeinsame Veranstaltung von TeleTrust und VOI

Berlin, 17.09.2015

Standardisierung für eIDAS im Mandate/460

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Welcome to the World of Standards



STANDARDISIERUNG FÜR eIDAS IM MANDATE/460

TeleTrust Signaturtag 17.09.2015

Crobie's Study in 2010:

Key success factors for eSignatures



Realizations, consistency and mapping of efficient Legal, Technical, Trust and Promotional frameworks are key success factors to convince market & business stakeholders of the possible ROI of eSignatures securing their eProcesses.

Sound CSPs & Trust Services
Provisioning market for interoperable and
cross-border use eSignatures



Promotion



Consistency & formal (efficient) mapping



Sound Legal Framework

- Different level of ES
- Range of ES prod/serv.
- Different types of CSPs
- International dimension

Sound Standardization Framework

- Covering whole range of ES prod / serv., ES types and types of CSPs
 - Business practice driven
 - Appropriate guidance
 - International dimension

Sound Trust Framework

- Supervision of CSPs
- Voluntary accreditation
 - Trust Status Lists
- Application labelling

eIDAS: Harmonisierte Vertrauensdienste für alle Anwendungsbereiche und Sicherheitsniveaus



eRegistered Delivery

Timestamps

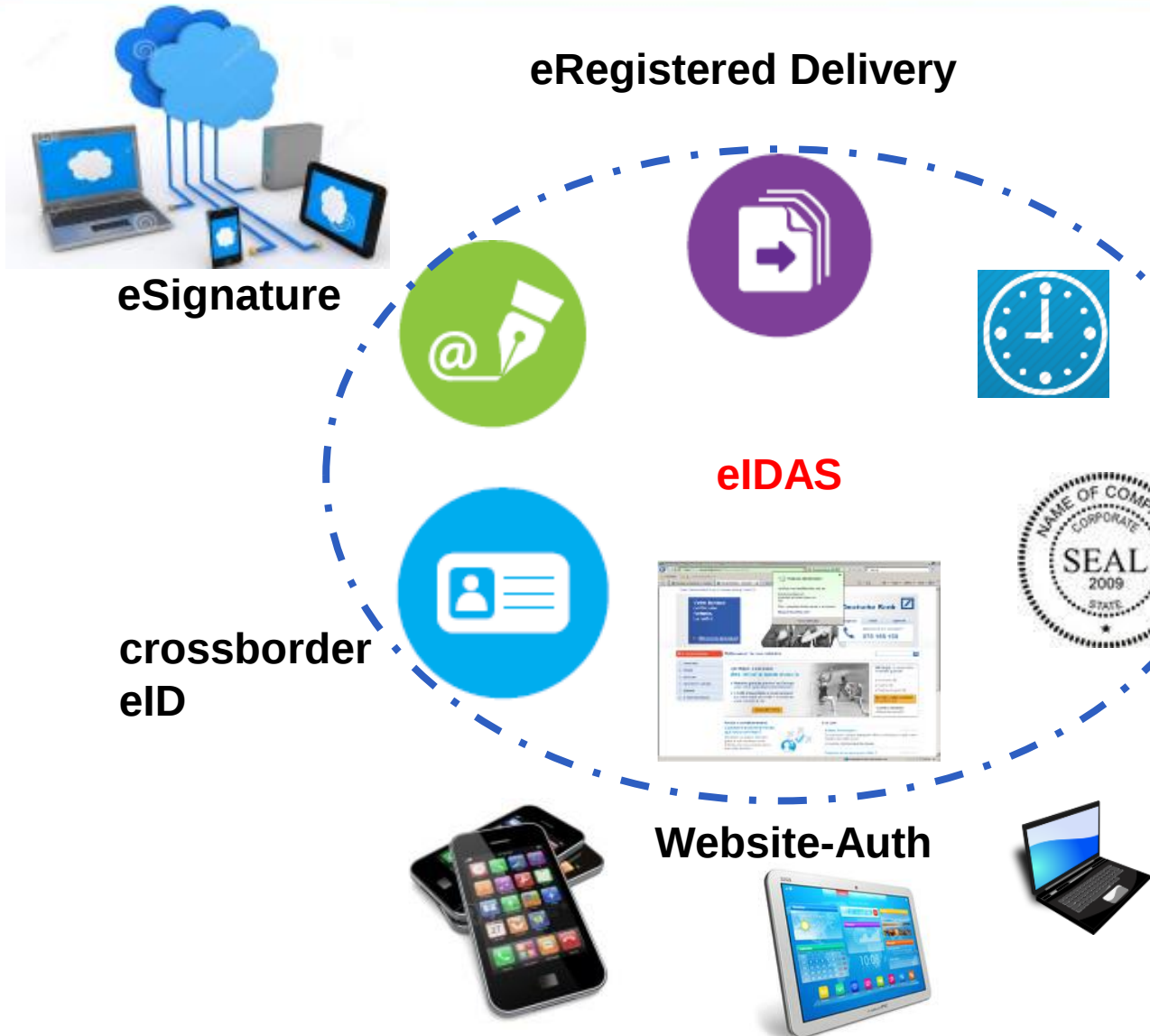
eSeals

Website-Auth

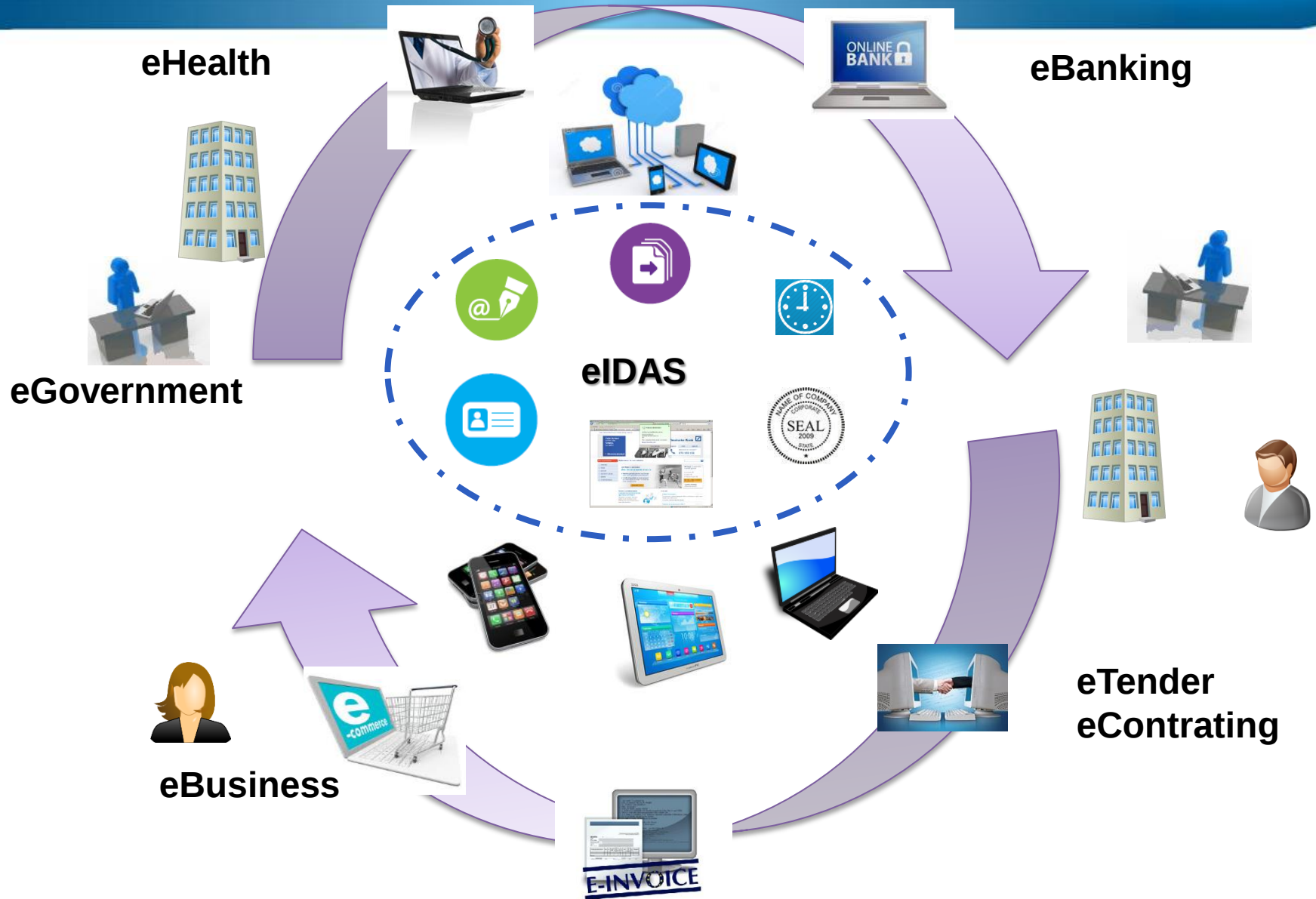
crossborder
eID

eSignature

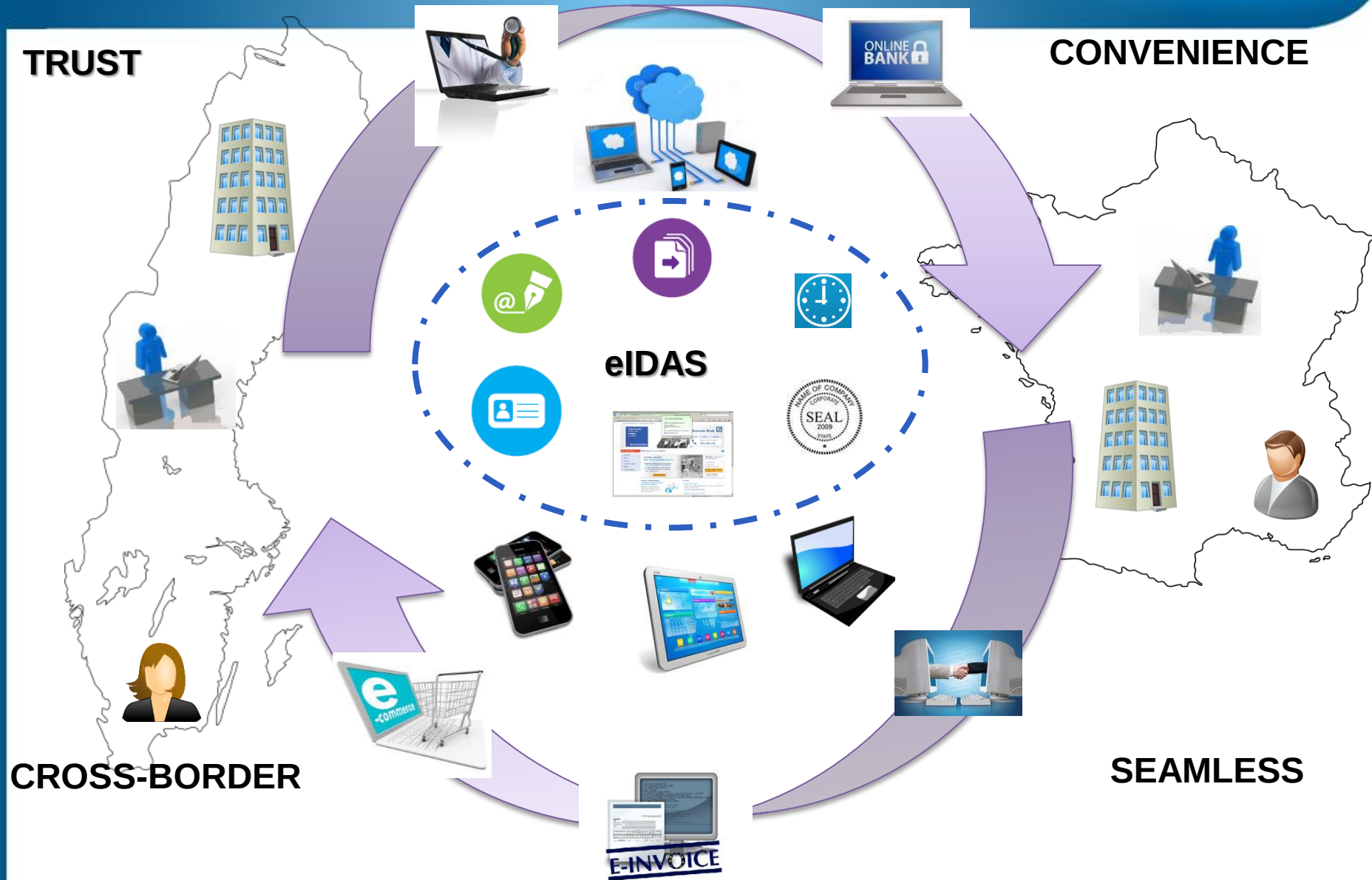
eIDAS

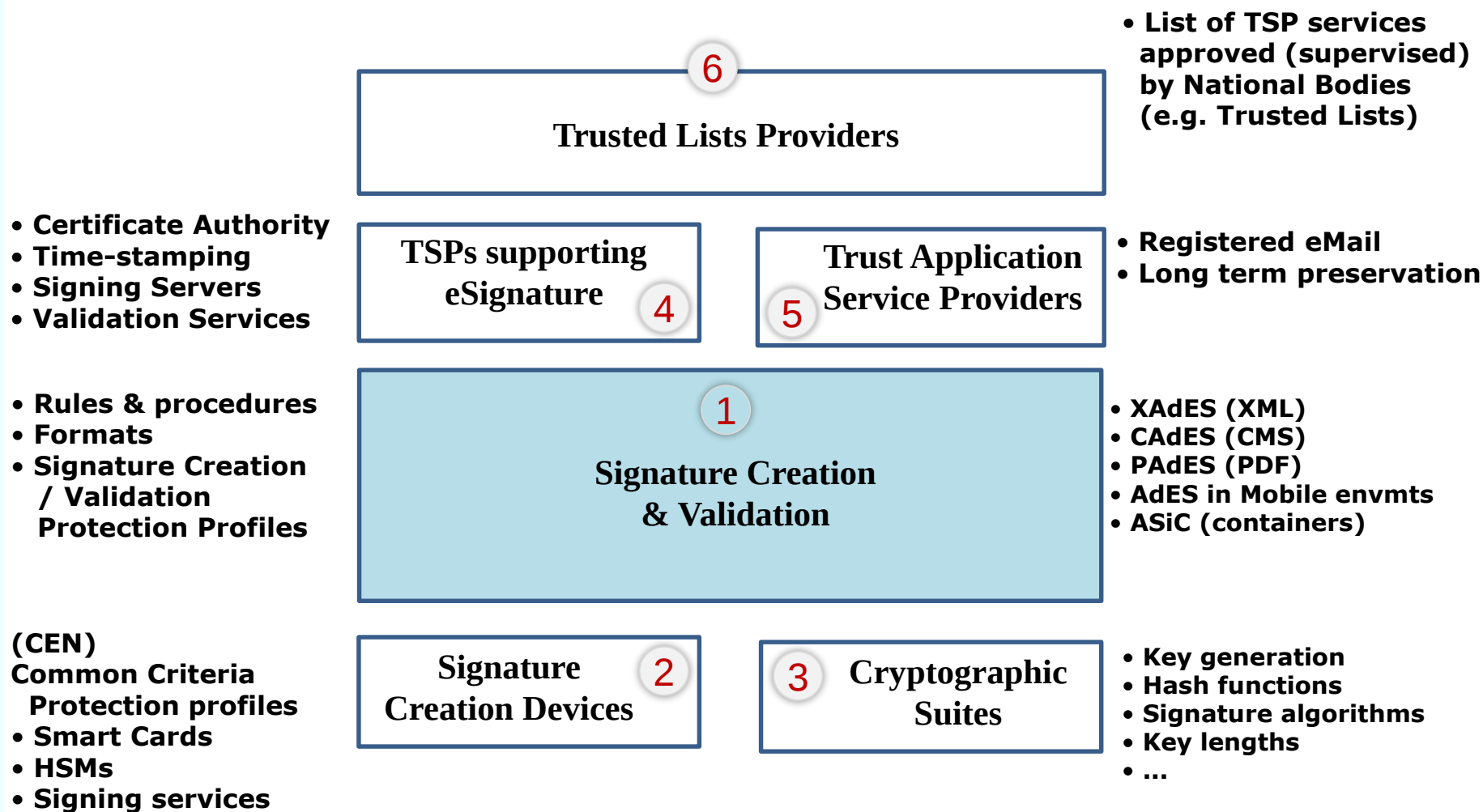


eIDAS: Harmonisierte Vertrauensdienste für alle Branchen und Wertschöpfungsprozesse



eIDAS: Harmonisierte Vertrauensdienste im Europäischen Binnenmarkt mit >400 Mio Nutzern!





- Set of Standards being finalised at concurrent ETSI meeting
 - Immediate Publication as Technical Specification
 - Follow on as European Norm in 2016 (common text)

TS 119 102-1 / EN 319 102-1: Procedures for Creation and Validation of AdES Digital Signatures.

Part 1: Creation and Validation.

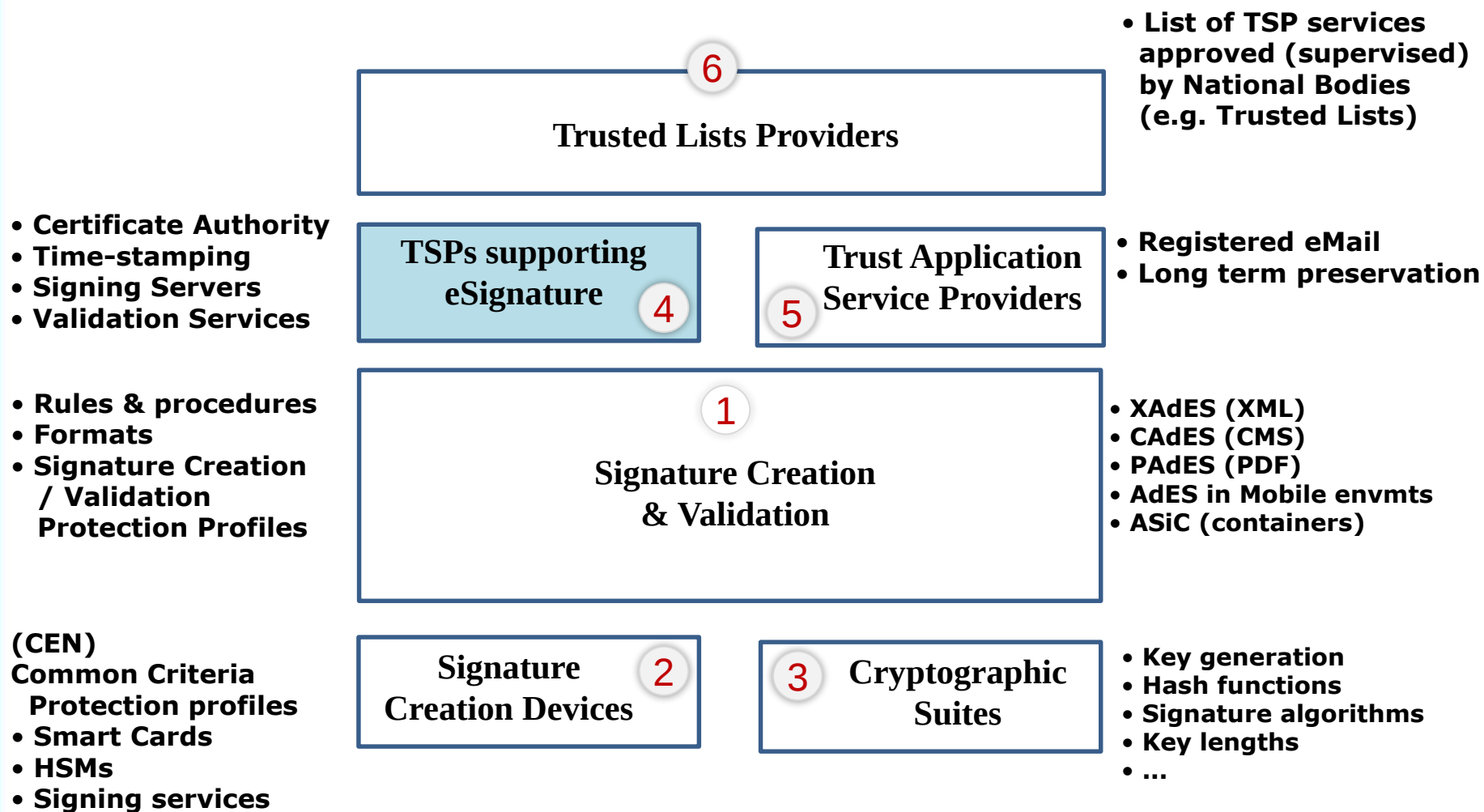
TS 119 122 / EN 319 122: CAdES digital signatures.

TS 119 132 / EN 319 132: XAdES digital signatures.

TS 119 142 / EN 319 142: PAdES digital signatures.

TS 119 162 / EN 319 162: Associated Signatures Containers.

TS 119 172 / EN 319 172-1: Signature policies



Area 4 - TSPs supporting e-signatures

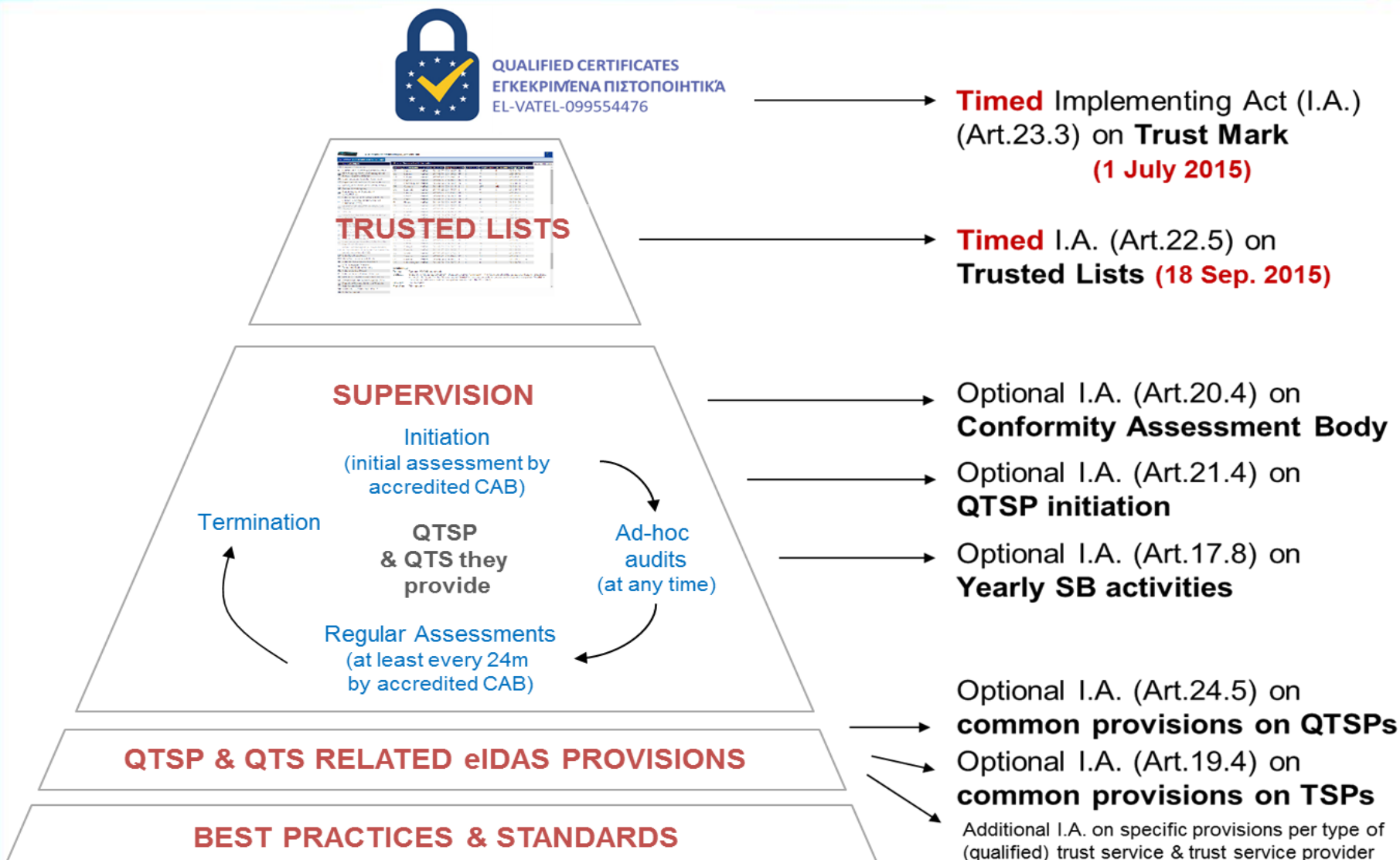


Main activities

- Business Guidance (TR 119 400)
- TSP Conformity Assessment
 - Draft EN 319 403
- TSP Policy requirements
 - Revised EN 319 401: General reqmts
 - **Revised EN 319 411-x**
TSPs issuing certificates
 - New draft EN 319 421 Time-stamping
- Certificate and time-stamp profiles
 - Draft EN 319 412-1 to -5 Certificates (natural, legal, web, qualified)
 - Draft EN 319 422 Time-stamping
- Phase 3
 - EN 319 431-432: Sig./Seal Generation Service Providers - Profiles
 - EN 319 441-442: Sig./Seal Validation Service Providers - Profile

TSPs Supporting Electronic Signatures and related services					
					Sub-areas
					Guidance
TR	1	19	4	0	0 Business driven guidance for TSPs supporting electronic signatures and seals
					Policy & Security Requirements
EN	3	19	4	0	1 General Policy Requirements for Trust Service Providers
EN	3	19	4	1	1 Policy & Security Requirements for TSPs Issuing Certificates
EN	3	19	4	2	1 Policy & Security Requirements for TSPs providing Time-Stamping Services
EN	3	19	4	3	1 Policy & Security Requirements for TSPs providing Signature Generation Services
EN	3	19	4	4	1 Policy & Security Requirements for TSPs providing Signature Validation Services
					Technical Specifications
EN	3	19	4	1	2 Certificate Profiles
					- Part 1: Overview and common data structures
					- Part 2: Certificate profile for certificates issued to natural persons
					- Part 3: Certificate profile for certificates issued to legal persons
					- Part 4: Certificate profile for website certificates issued to organisations (Baseline & Extended Validation)
					- Part 5: Qualified certificate statements for qualified certificate profiles
EN	3	19	4	2	2 Time-Stamping protocol and token profile
EN	3	19	4	3	2 Profiles for TSPs providing Signature and Seal Generation Services
EN	3	19	4	4	2 Profile for TSPs providing Signature and Seal Validation Services
					Conformity Assessment
EN	3	19	4	0	3 Trust Service Provider Conformity Assessment - Requirements for conformity assessment bodies assessing Trust Service Providers and the trust services they provide





Four eIDAS implementing acts have been published on 09.09.2015 in the OJEU



[Commission Implementing Decision \(EU\) 2015/1506](#) of 8 September 2015 laying down specifications relating to **formats of advanced electronic signatures and advanced seals to be recognised by public sector bodies**

[Commission Implementing Decision \(EU\) 2015/1505](#) of 8 September 2015 laying down technical specifications and formats relating to **trusted lists**

[Commission Implementing Regulation \(EU\) 2015/1502](#) of 8 September 2015 on setting out minimum technical specifications and procedures **for assurance levels for electronic identification means**

[Commission Implementing Regulation \(EU\) 2015/1501](#) of 8 September 2015 on the **interoperability framework**

ETSI Documents: Free download

<http://www.etsi.org/standards-search>

CEN Documents:

Available through national standards organisation

E-Signature news:

http://list.etsi.org/scripts/wa.exe?SUBED1=e-signatures_news&A=1

Events:

CA Day: 15th December – Berlin

ETSI Standards and Open Source –19th November Sofia Antipolis