

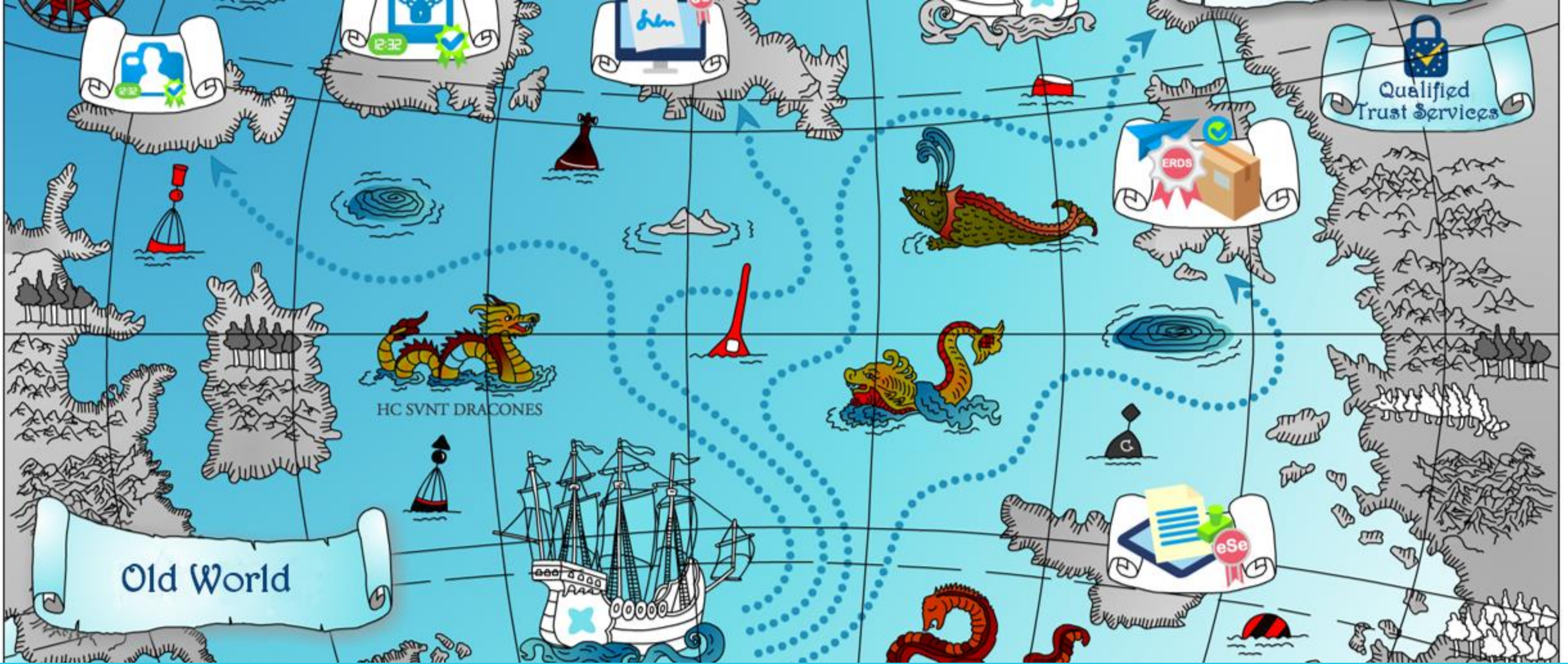
German/US Expert Meeting

IT Security Association Germany (TeleTrust) in cooperation with FIDO Alliance

San Francisco, 08.05.2024

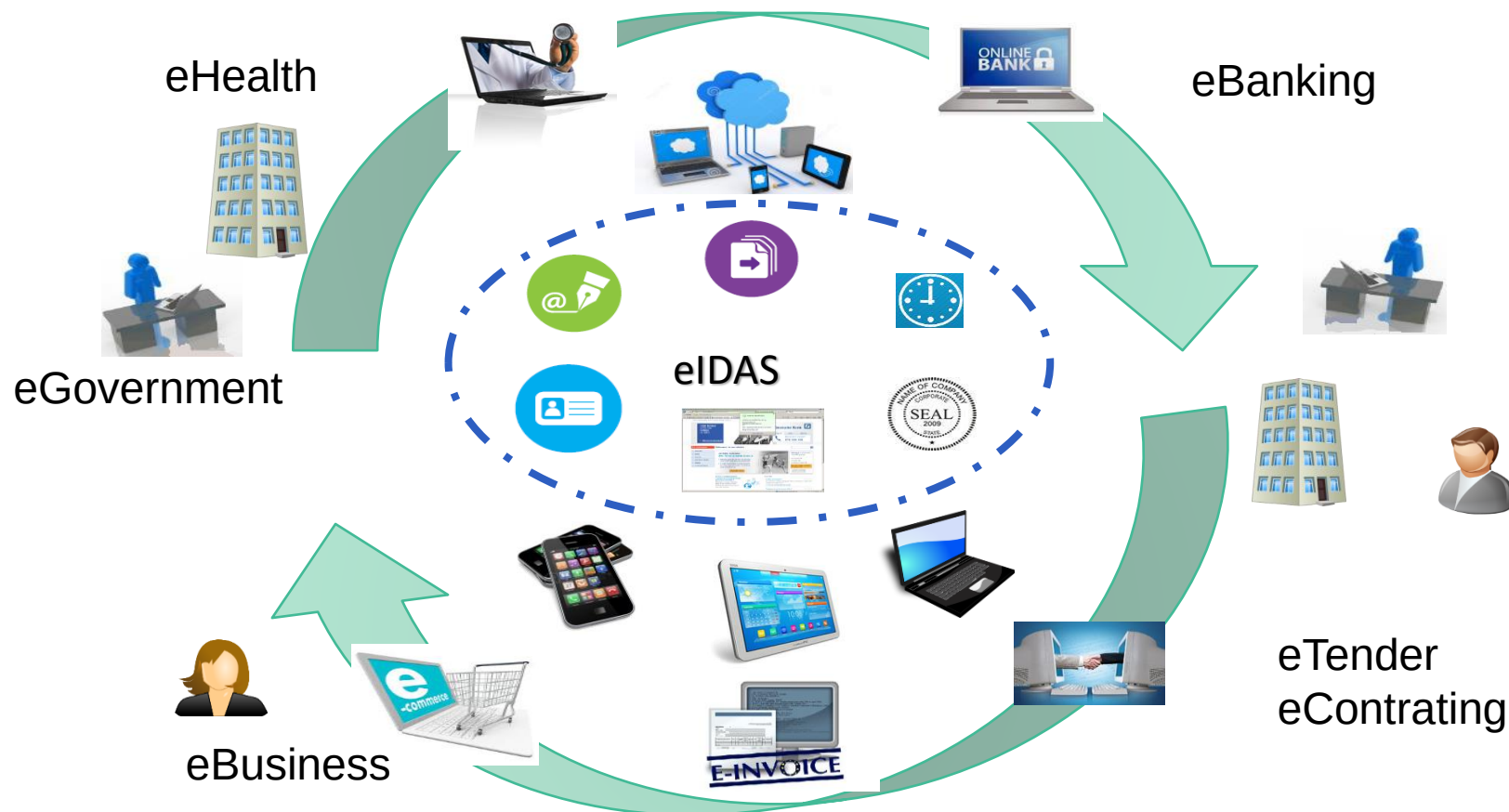
New kinds of Trust Services in Europe – How the European Wonderwallet should work

Arno Fiedler, Nimbus



New kinds of Trust Services in Europe – How the European Wonderwallet should work

eIDAS 2014: Vision to enable “EU Digital Single Market via Pan-European Trust Services”



Vision for a European Digital Identity (Framework)

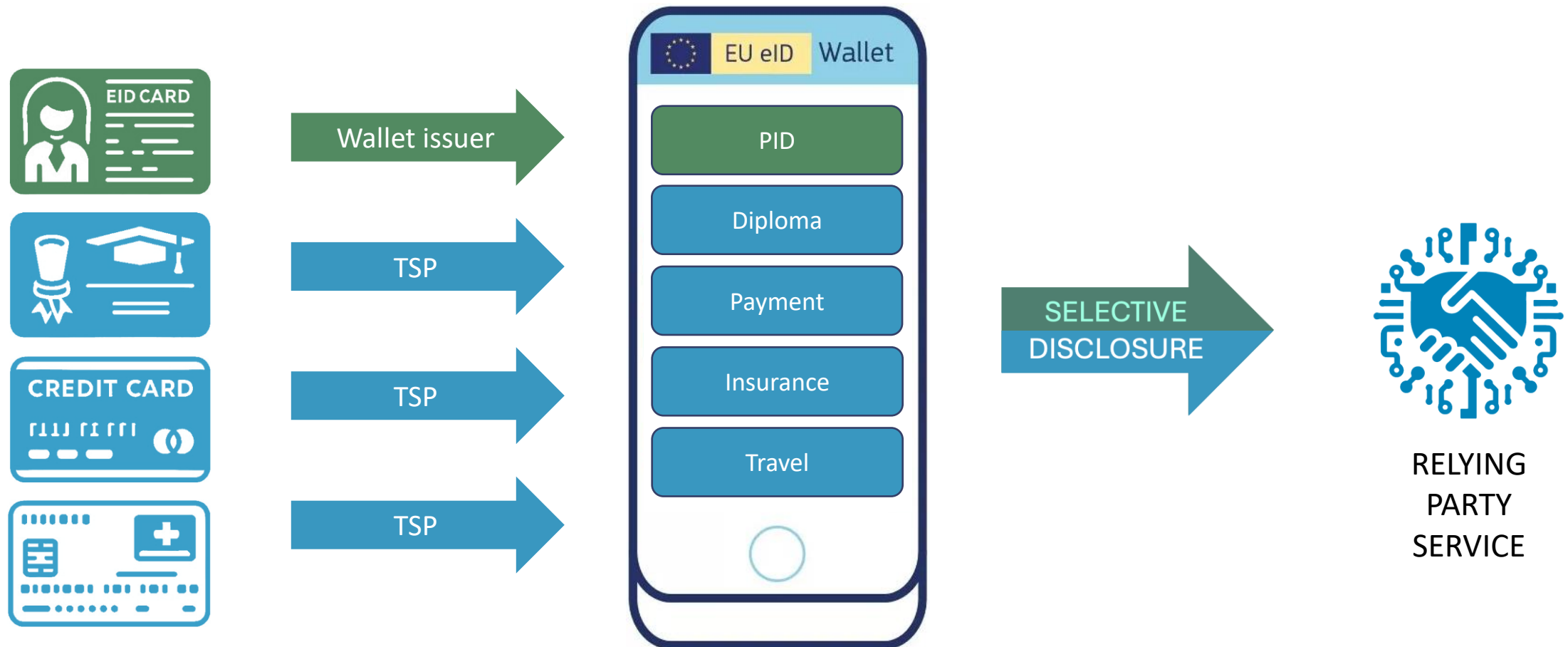


«The Commission will soon propose a **secure European e-identity**. One that we trust and that any citizen can use anywhere in Europe to do anything from paying your taxes to renting a bicycle. A technology where we can control ourselves what data and how data is used. »
(State of the Union - 16 September 2020)

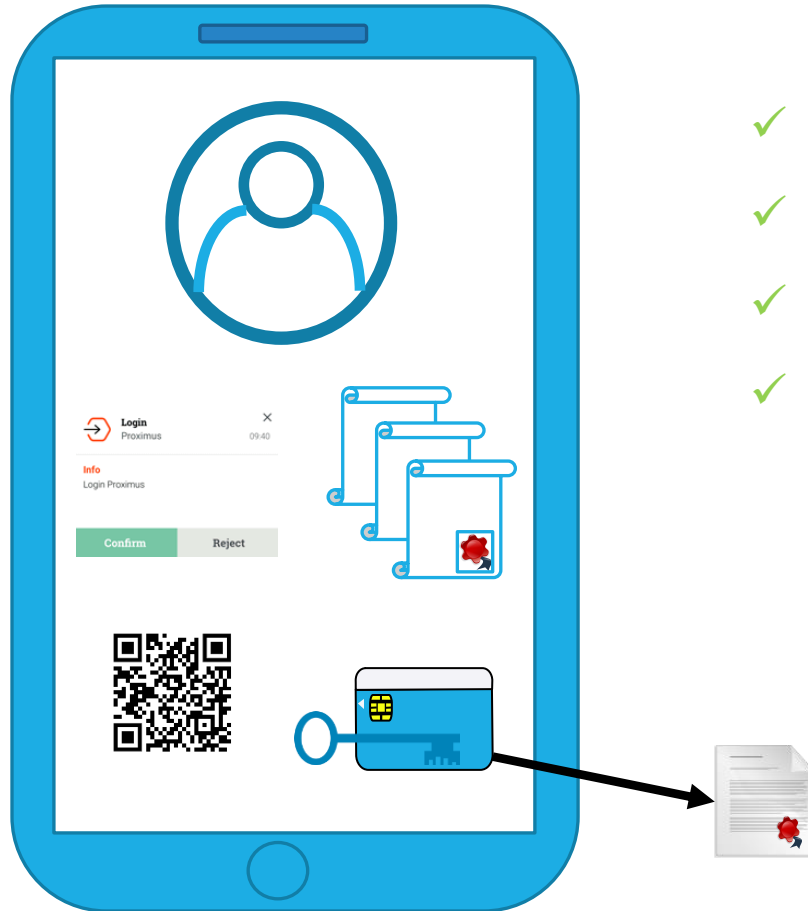


« The European Council calls for the development of **an EU-wide framework for secure public electronic identification (e-ID)**, including interoperable digital signatures, to provide people with **control over their online identity and data** as well as to enable **access to public, private and cross-border digital services.**»
(European Council Conclusions - 2 October 2020)

European Digital Identity Wallet

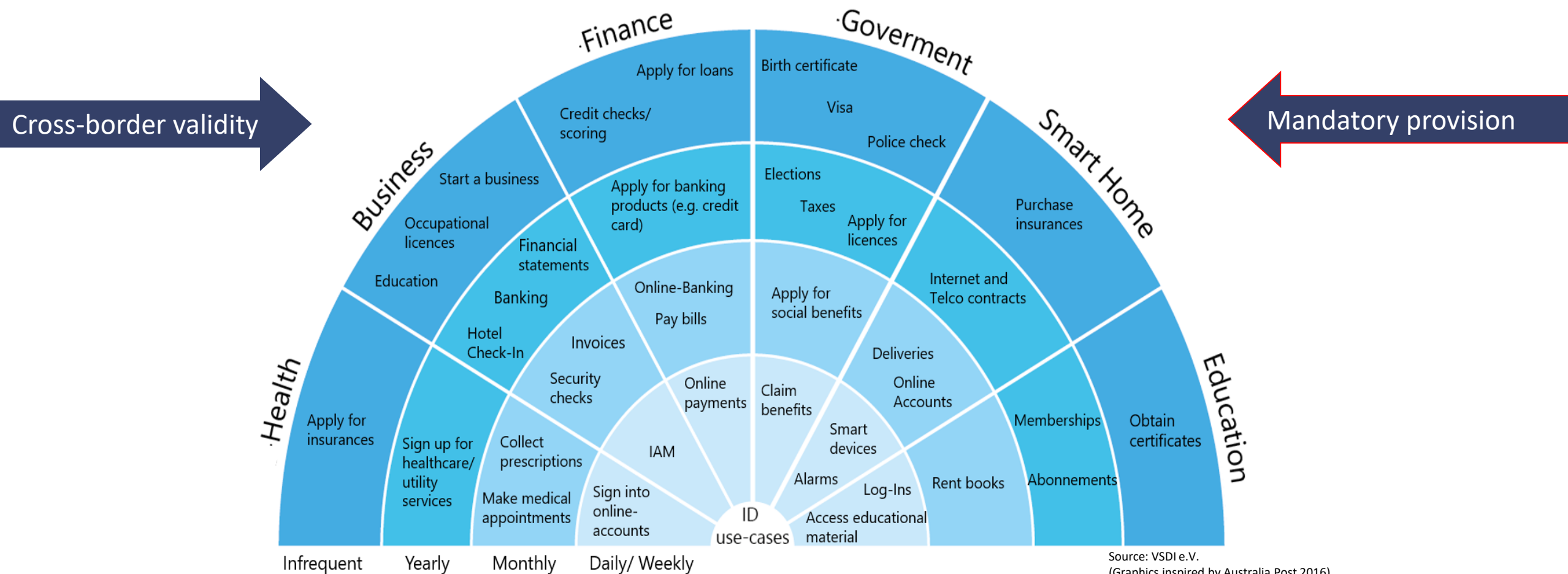


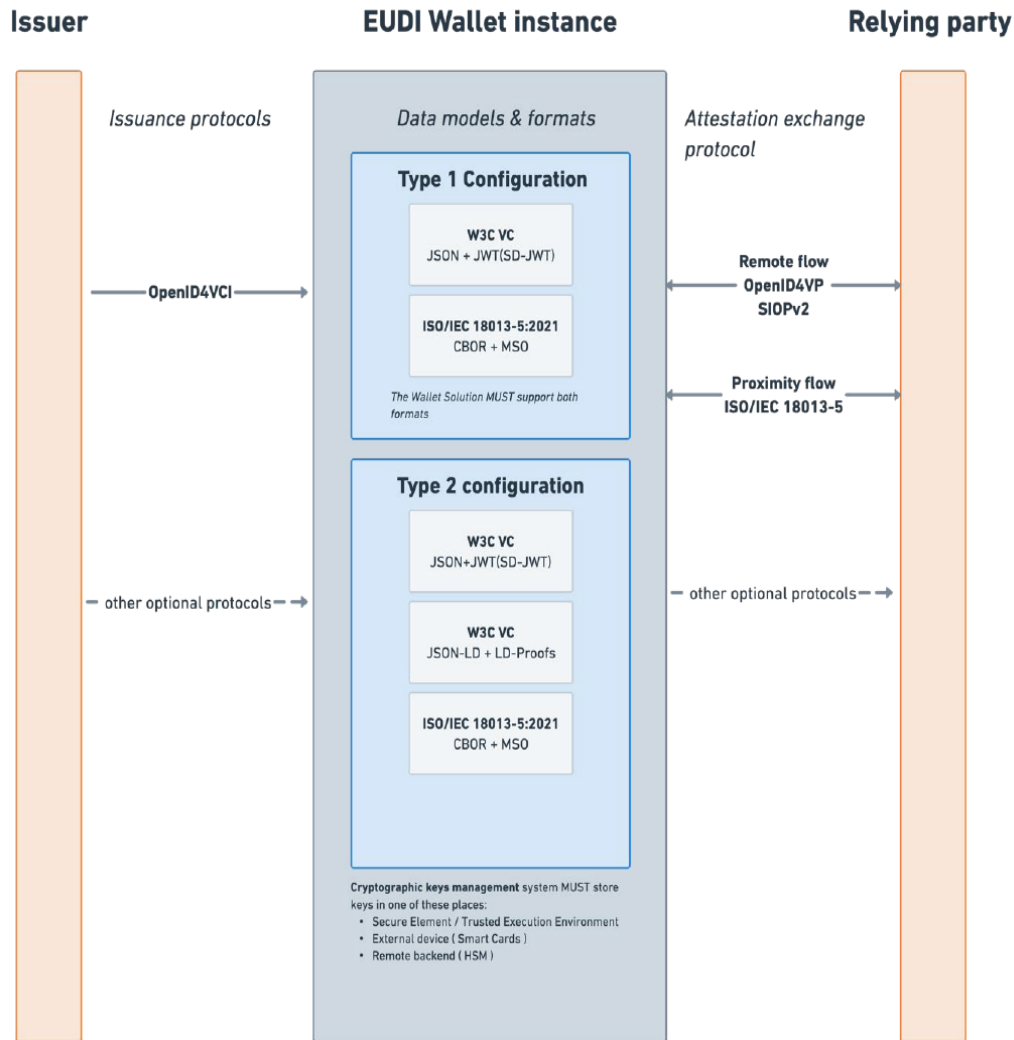
European Digital Identity Wallet



- ✓ Member state obliged to offer to every citizen
- ✓ Means for authentication – online (AL High) and offline
- ✓ Free QES
- ✓ Mandatory for very large platforms and several sectors

Use Cases for the wallet



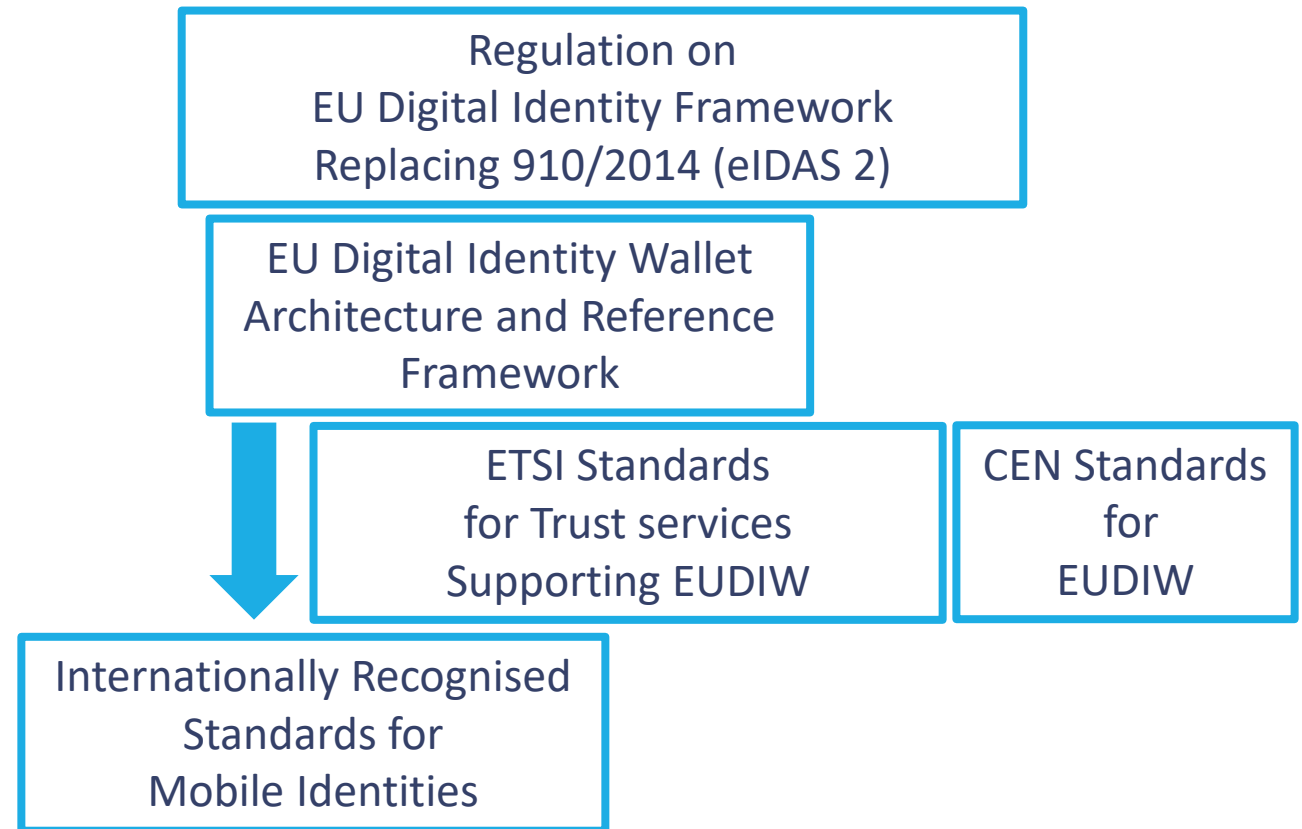


Architecture and Reference Framework (ARF)

- The ARF is a guideline for the member states on the technical implementation of the EUDIW and new trust services.
- It outlines specifications for an interoperable European Digital Identity Wallet Solution,
- and summarizes current progress by the eIDAS Expert Group, without formal agreement.
- The Final version will provide a comprehensive framework for implementation.
- **The document itself holds no legal value and SHALL not prejudice the forthcoming legislative process and the final mandatory legal requirements for European Digital Identity Wallets.**

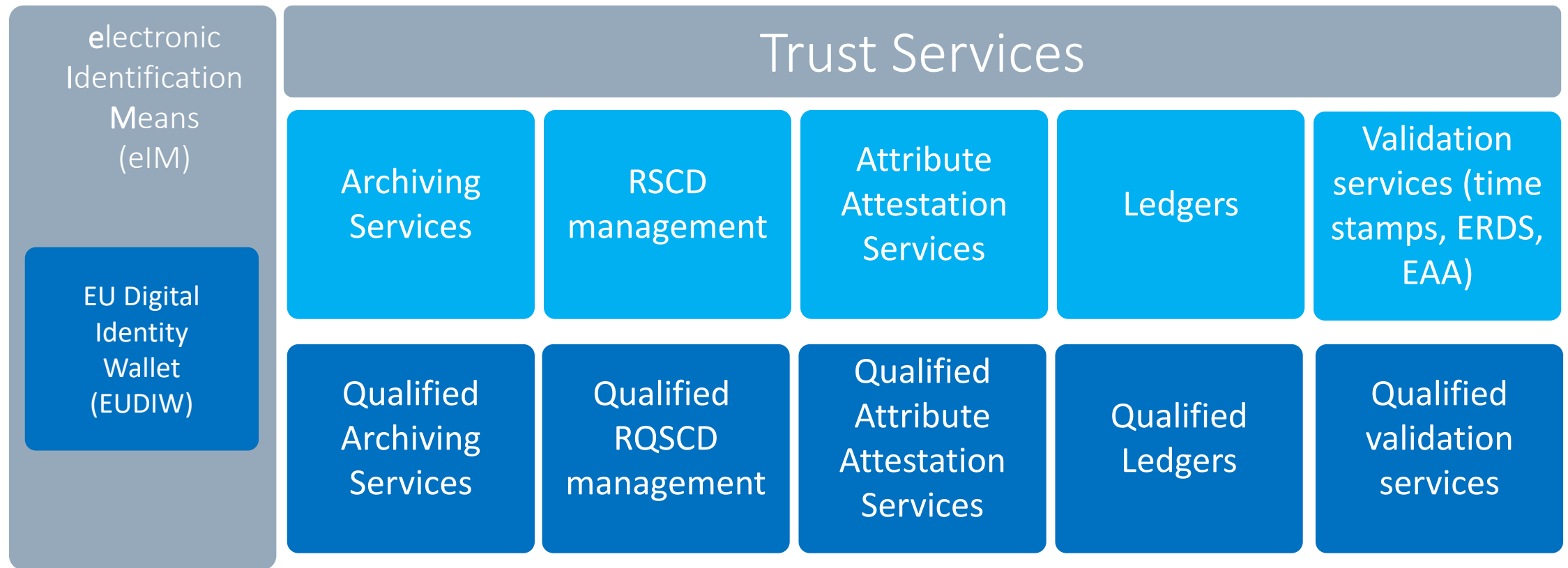
Figure 7. EUDI Wallet configurations.

No reg-tech without standardization

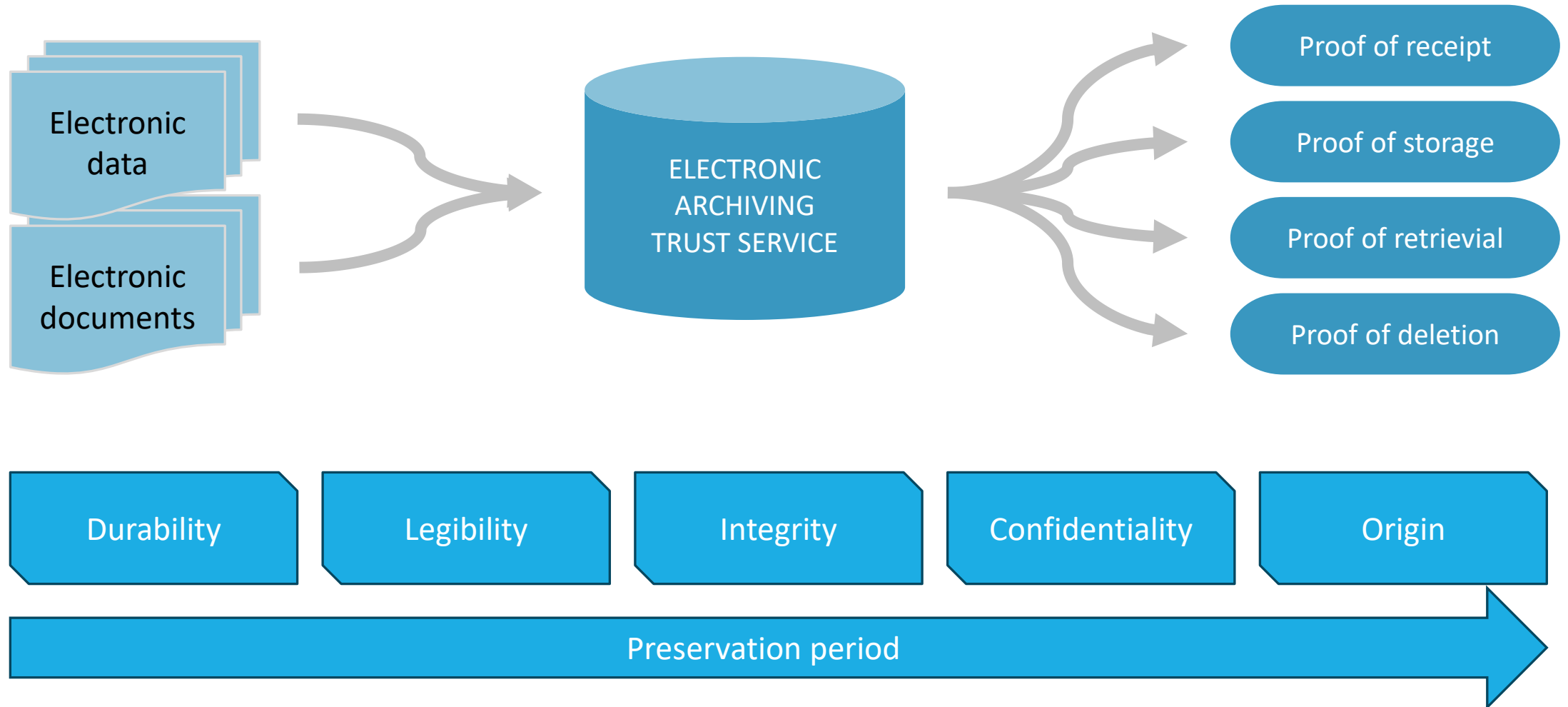


New Trust Services and new challenges for Trust Service Providers

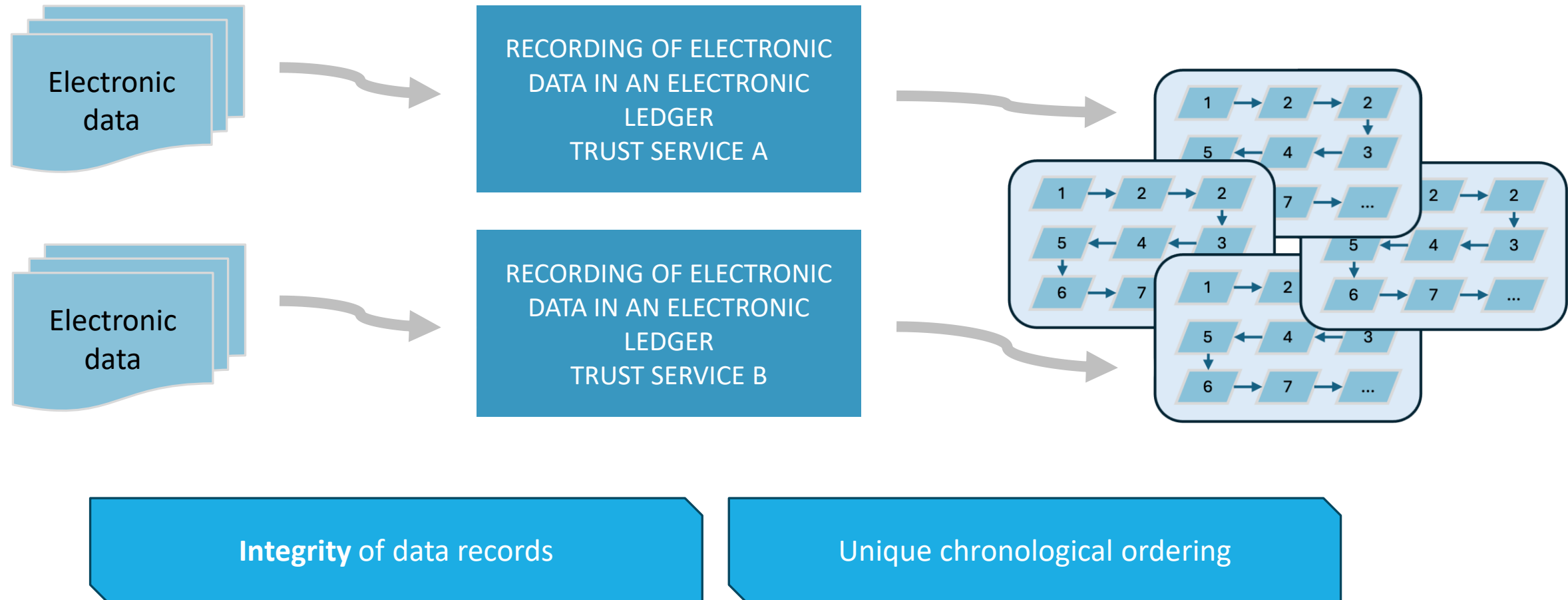
Introduction to new Trust Services



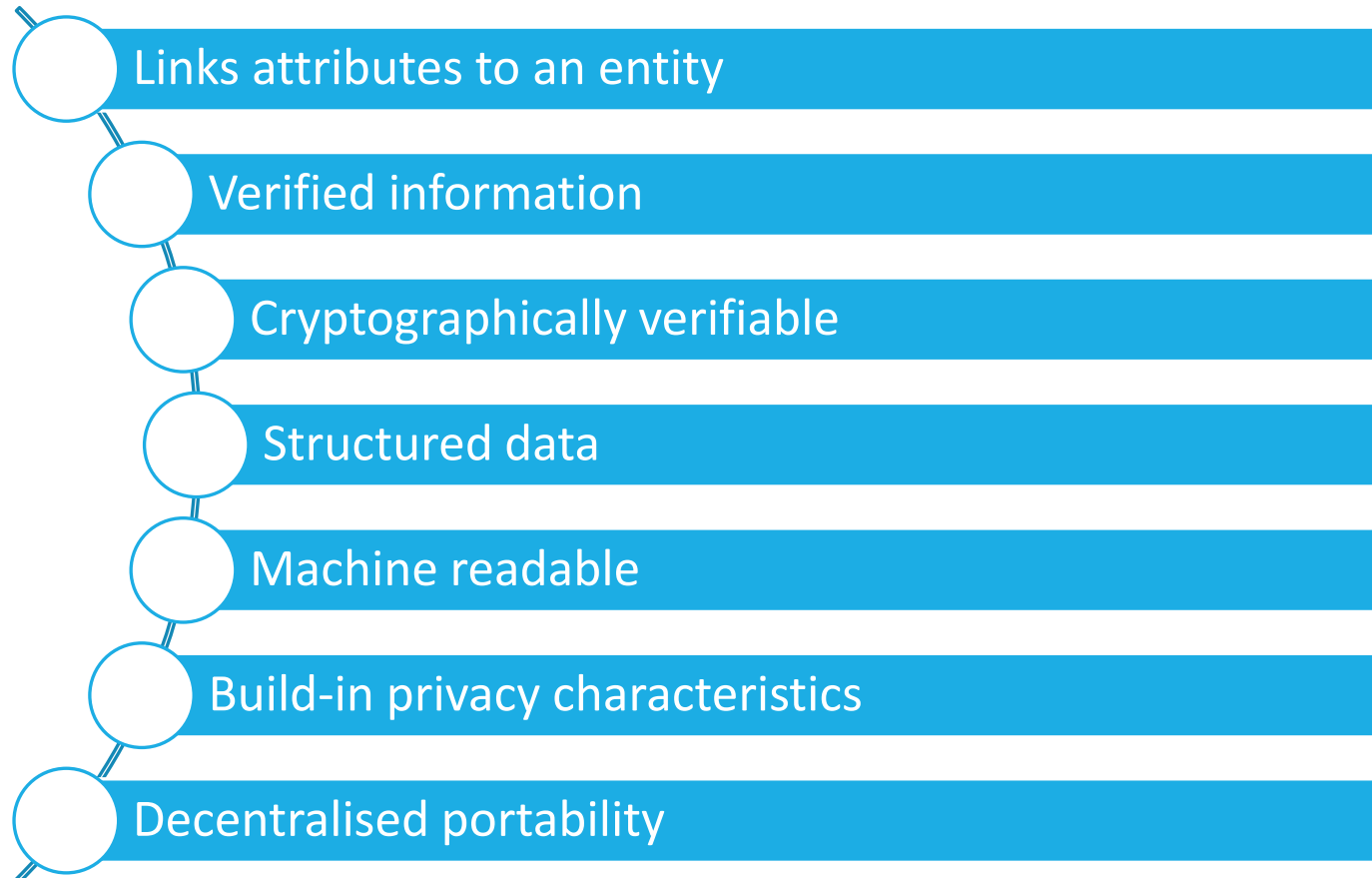
(Qualified) Electronic Archiving



(Qualified) Electronic Ledgers



(Qualified) Electronic Attestation of Attributes



Professional Qualities

Issuer: Atatserp BV

Subject: Wim Coulier

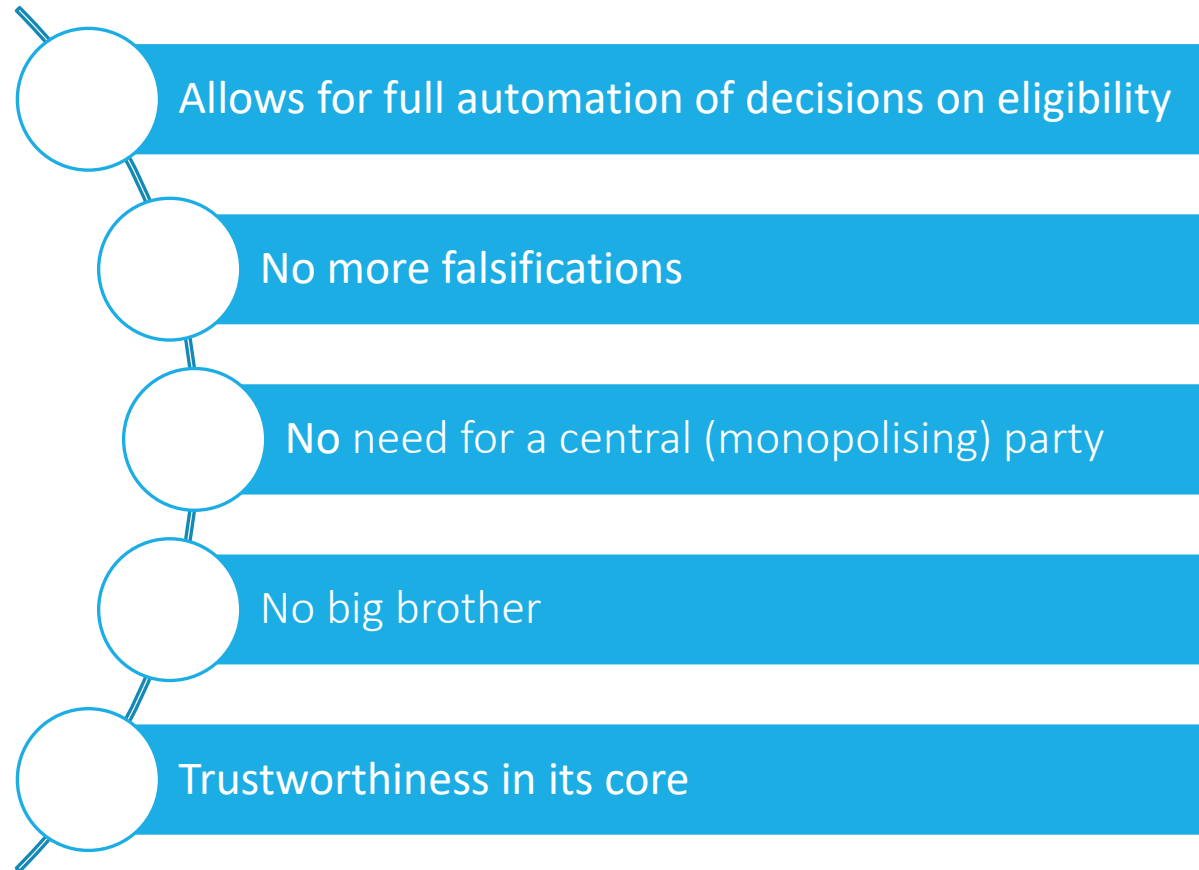
Validity: From 02/11/2023 to 02/12/2023

Value:

- Project Management:
 - PRINCE II certified
 - 06/06/2010
- ETSI contributor
- eIDAS expert @ itsme
- Founder Trust Agency



Benefits of EAA



Professional Qualities

Issuer: Atatserp BV

Subject: Wim Coulier

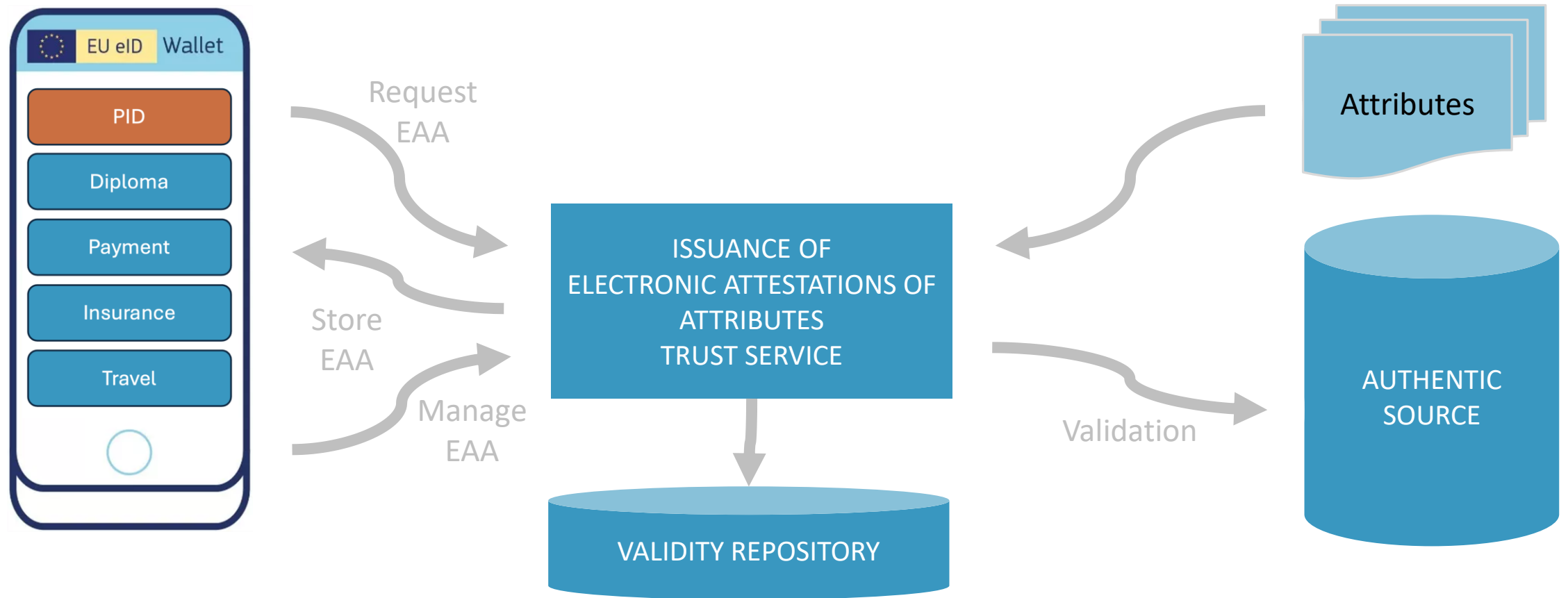
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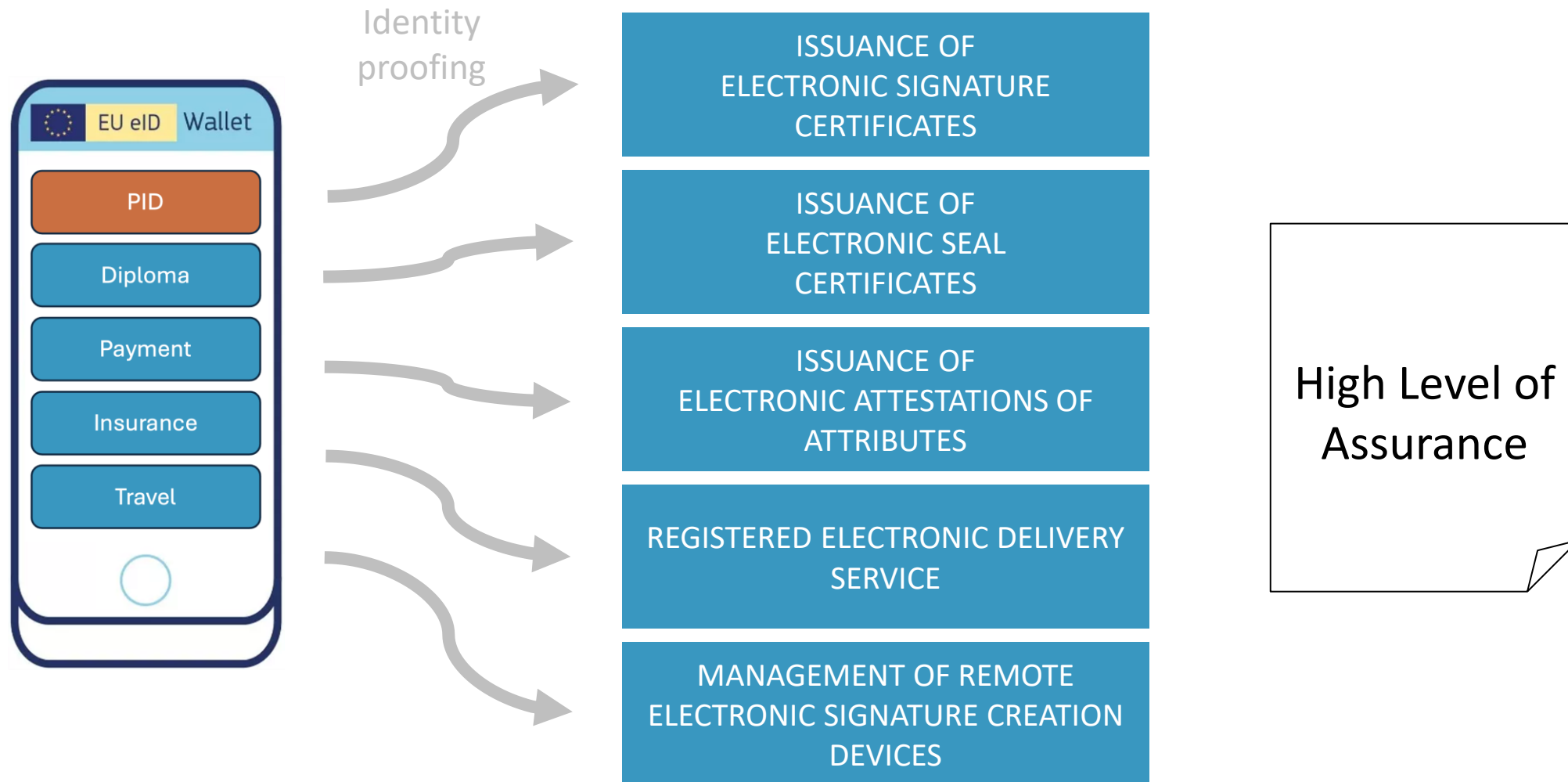
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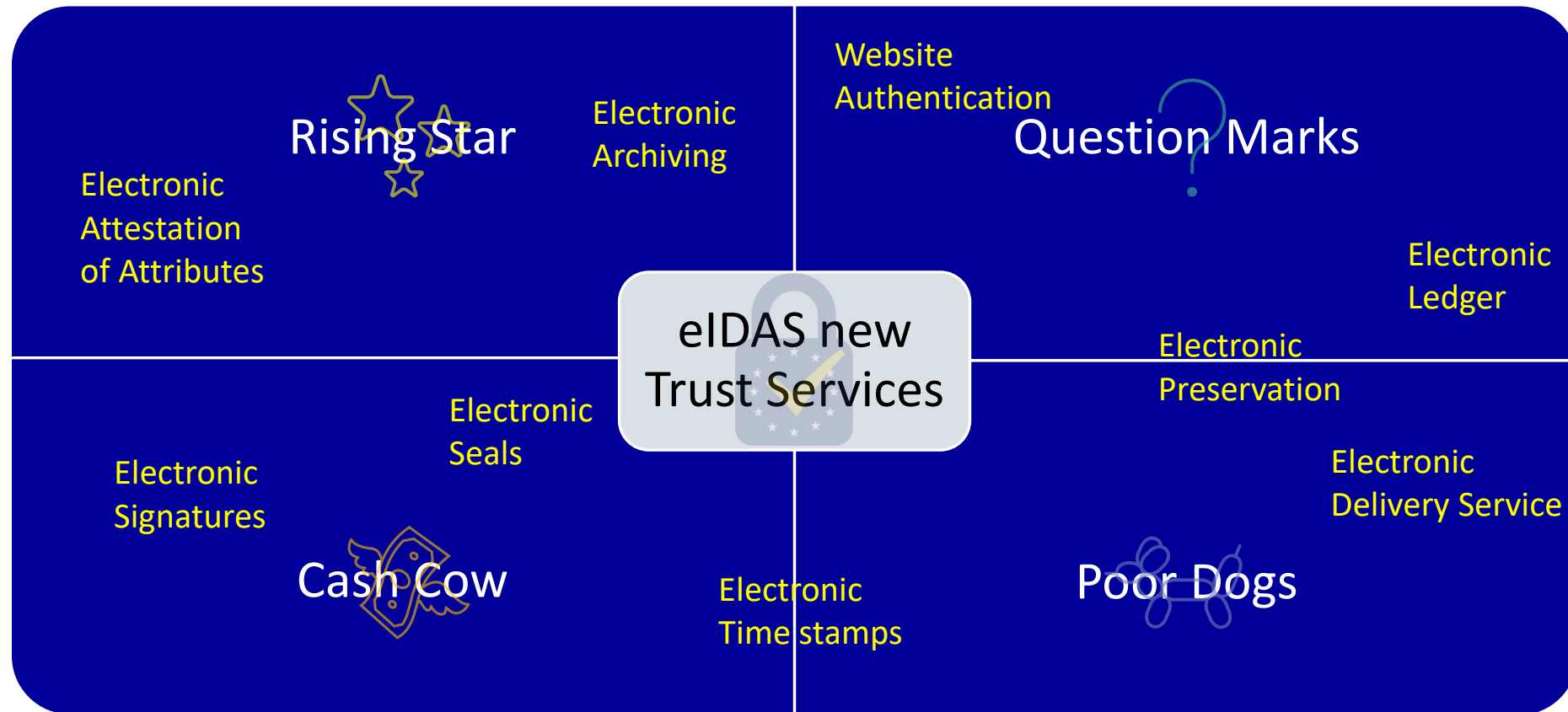
(Qualified) Electronic Attestation of Attributes with Digital Identity Wallet



Wallet main use case for trust services



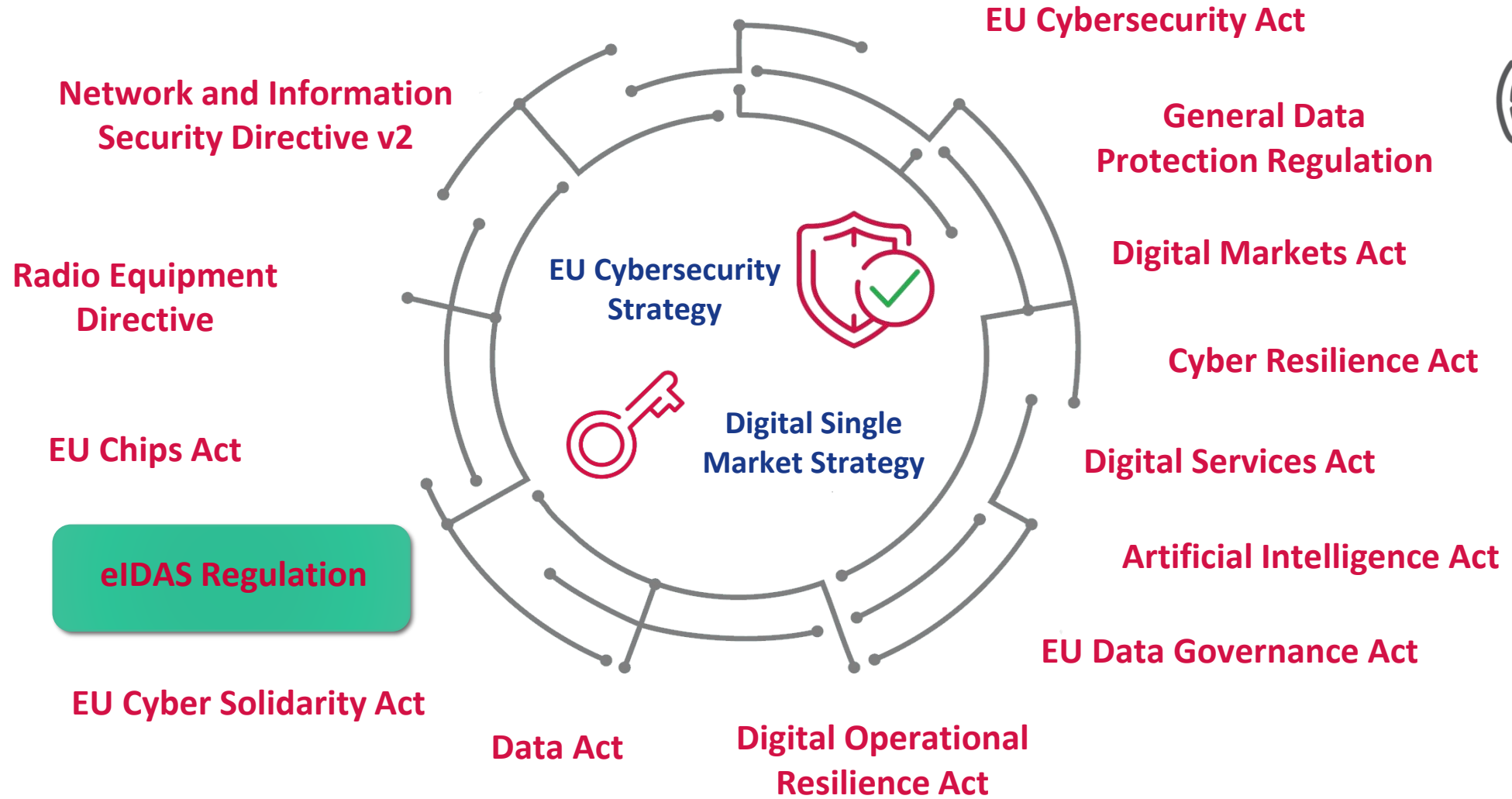
Boston Matrix: eIDAS trust services 2024



Conclusion - EUDIW Ecosystem success conditions:

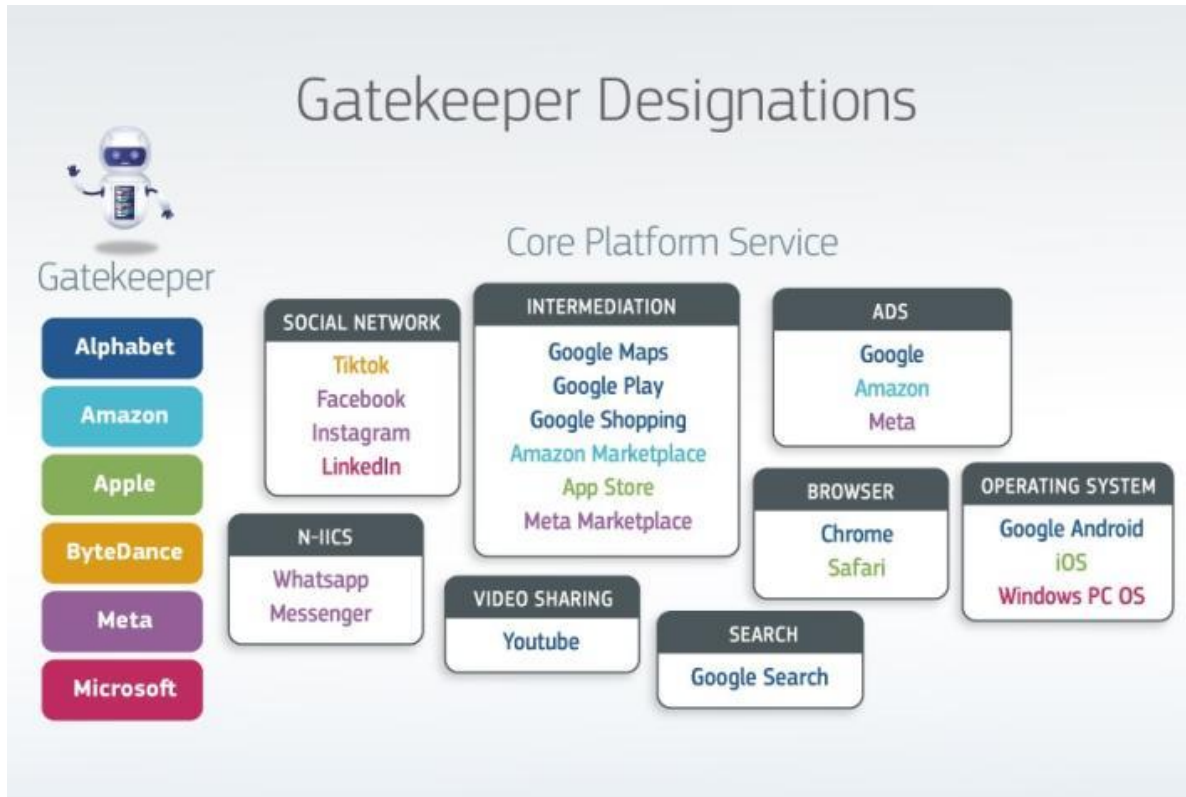
- I. Ensuring market awareness of EUDIW and its role and potential
- II. Interoperability and internationality of EUDIW
- III. Good UX of the application, with reference to applications provided by big tech companies or mobile banks
- IV. Incorporating EUDIW functionalities (onboarding, signing, sharing attribute credentials...) into the business processes of recipients as a condition for attractive business models
- V. Building an environment of startups and investors utilizing EUDIW potential
- VI. Avoid overregulation and actively involve the private sector in the development and implementation of digital identity solutions.

Overlapping EU regulations for QTSPs and Relying Parties



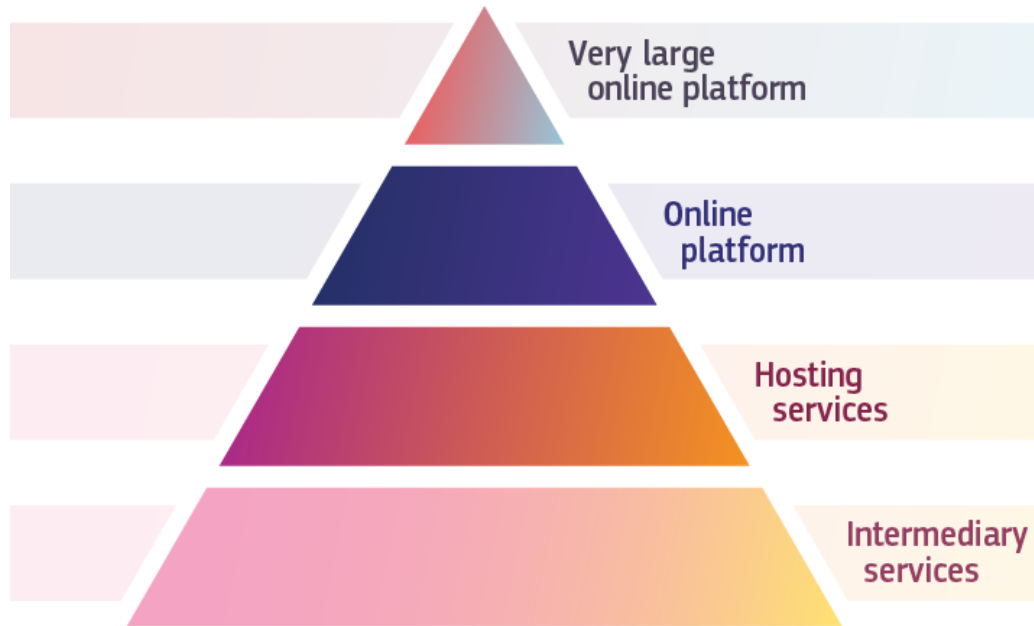
Source: Slawomir Gorniak, **ENISA** Cybersecurity Standardisation Conference,
https://www.enisa.europa.eu/events/cybersecurity_standardisation_2024/pdf/gorniak.pdf

Digital Markets Act (DMA)



- EU law to make the markets in the digital sector fairer and more contestable.
 - Establishes a set of clearly defined objective criteria to identify “gatekeepers”.
 - Fines: of up to 10% of the company’s total worldwide annual turnover, or up to 20% in the event of repeated infringements
- **Supports aims of eIDAS 2024 regarding digital sovereignty**

Digital Services Act (DSA)



→ Very large online platforms, which require user authentication for access to their online services, shall accept and facilitate the use of the EUDIW upon the voluntary request of the user and in respect of the minimum data necessary.

NIS 2 directive

Stricter cybersecurity risk management controls

Stringent reporting obligations on organizations falling under specific economic sectors, referred to as Essential and Important Entities (EIEs).

All TSPs are classified as high critical

- **qualified as essential**
- **non-qualified large entities as essential**
- **smaller non-qualified entities as important.**

All entities will be supervised. , essential entities not only be supervised ex-post, but also ex-ante. Regular external audits are required and evidence need to be provided of implementing cyber security policies. All essential and important entities might undergo on-site inspections & off-site supervision, targeted security audits, security scans, requests for information.

Since NIS 2 is a directive, it needs to be **translated into national legislation**

Included in upcoming new version **ETSI EN 319 401**

Conclusion

“What is emerging in the market is a new environment where the focus has shifted from the provision and use of rigid digital identities to the provision and reliance on specific attributes related to those identities.”

European Commission

Three final thoughts:

- I. Build new ways on existing roads – There is not *the* one way for digital identities.
- II. Public-Private Partnerships are essential for the evolvement of innovative solutions that can compete with existing (monopolistic) solutions.
- III. The most secure and innovative technology is useless if there is no functional business model behind it that can bring the solutions to a broad use.