

RSAConference™2024

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THE ART OF
POSSIBLE

SESSION ID: PART4-W08

Everything Everywhere All at Once: *The European ID Wallet ecosystem*

#RSAC

MODERATOR: Prof. Dr. Norbert Pohlmann

Director of the Institute for Internet Security – if(is)
Chairman of IT Security Association TeleTrust

PANELISTS:

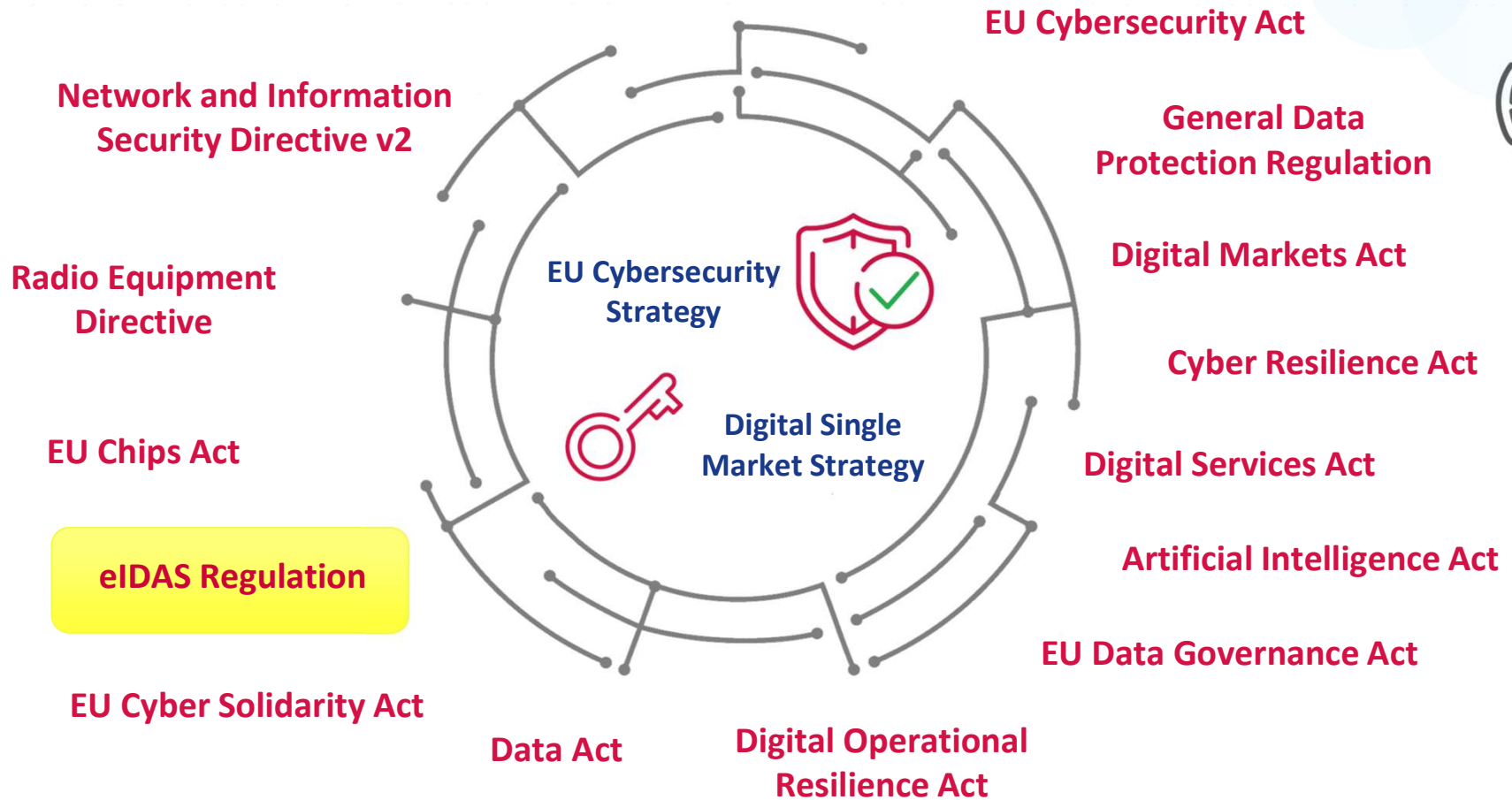
Dr. Kim Nguyen

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Bundesdruckerei GmbH

Arno Fiedler

Founder and CEO
Nimbus Technologieberatung GmbH

eIDAS is part of a big European Cybersecurity Regulation Landscape



Vision: A European Digital Identity



«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)

eIDAS 2.0 – Establishing a Framework for a European Digital Identity



eIDAS 1.0
2014

- Public
- Federated ID model
- Notification of member states eID schemes
- Population coverage in Europe:



eIDAS 2.0
2024

- Public and private sector
- Decentralized ID model
- Notification of eID/wallets
- Qualified electronic Attestation of Attributes
- Qualified electronic ledgers, Archiving
- Population coverage in Europe 2030:

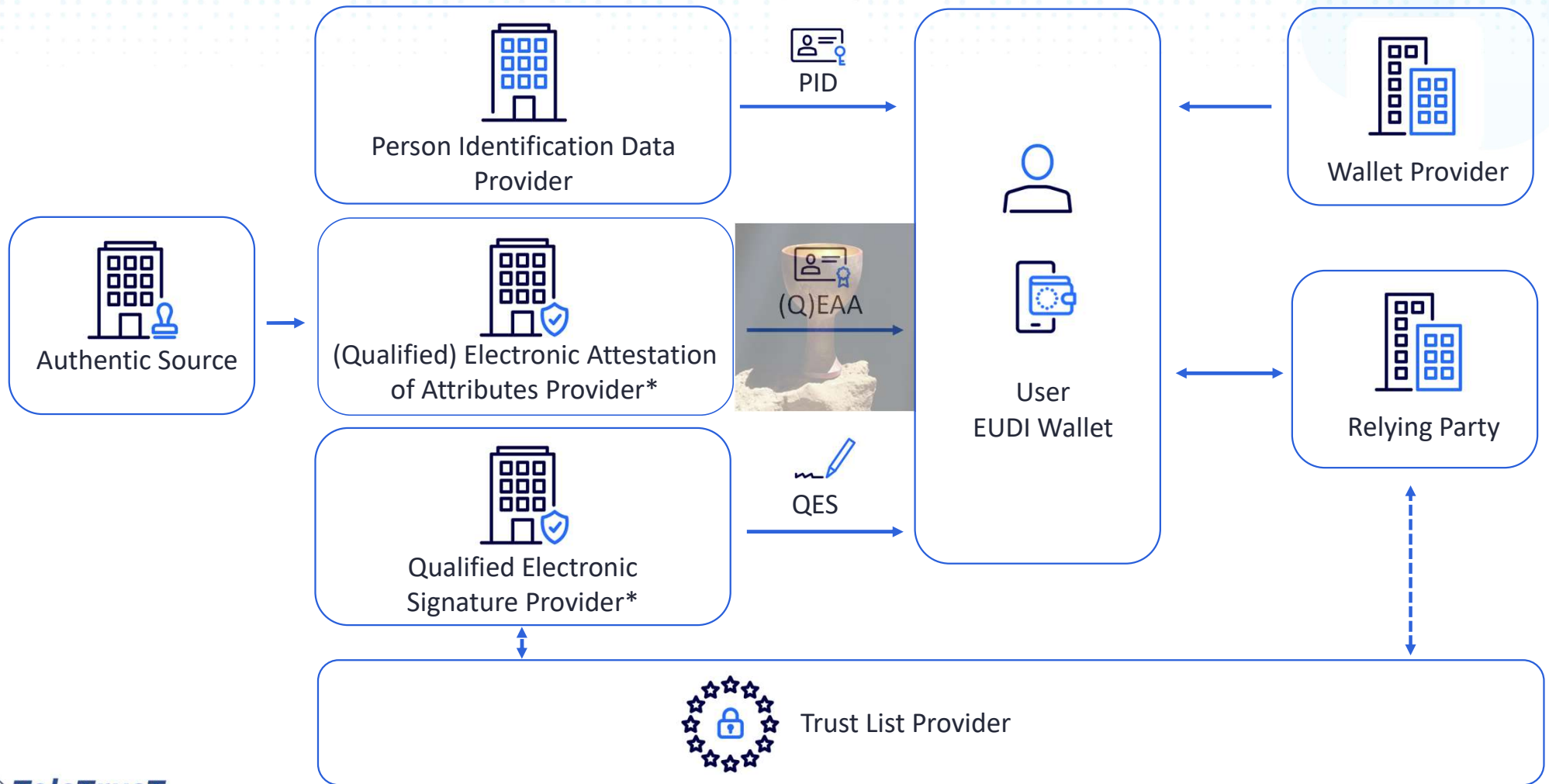


Everything everywhere all at once

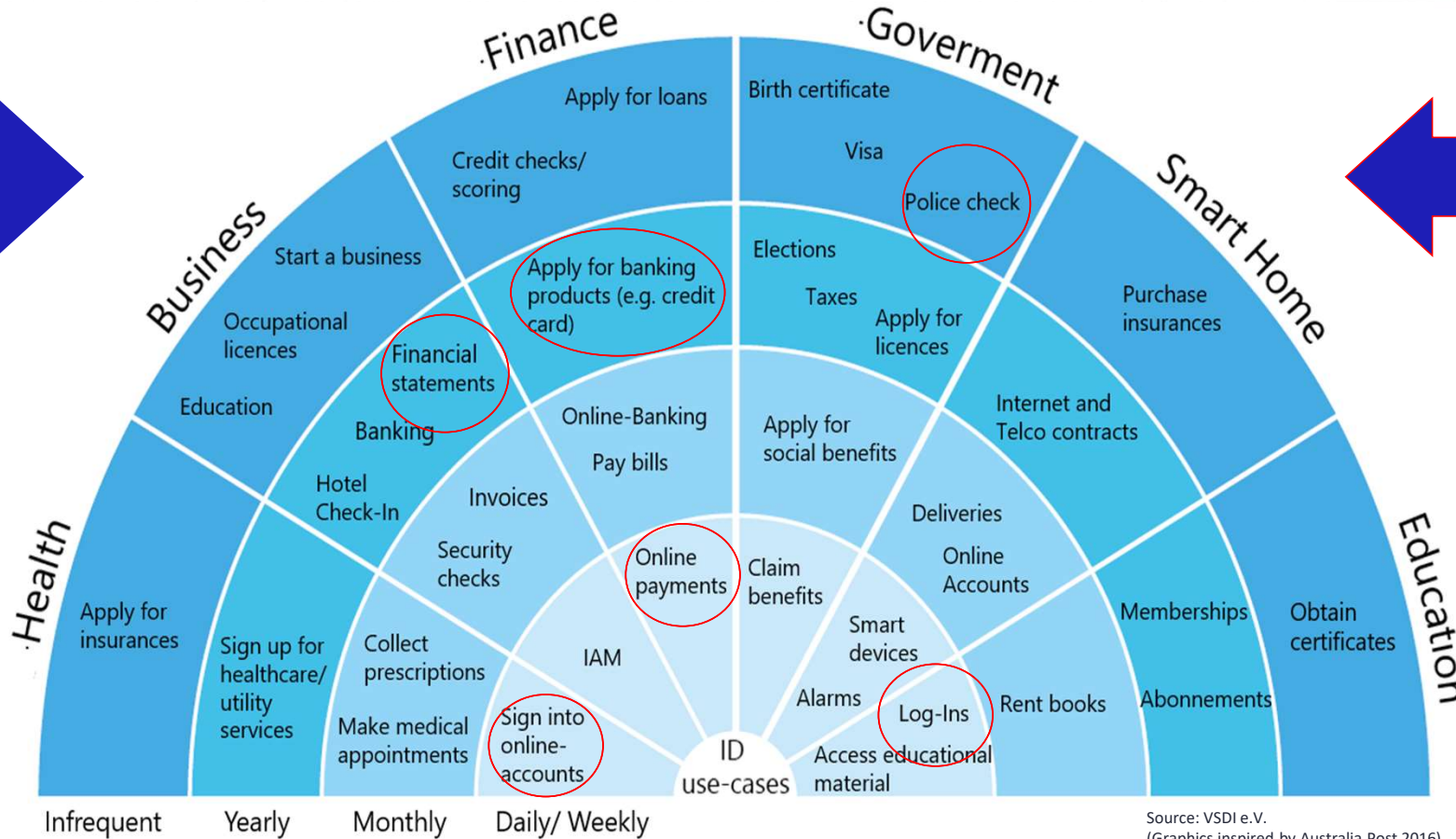


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eIDAS 2.0 – New Digital Identity Eco System

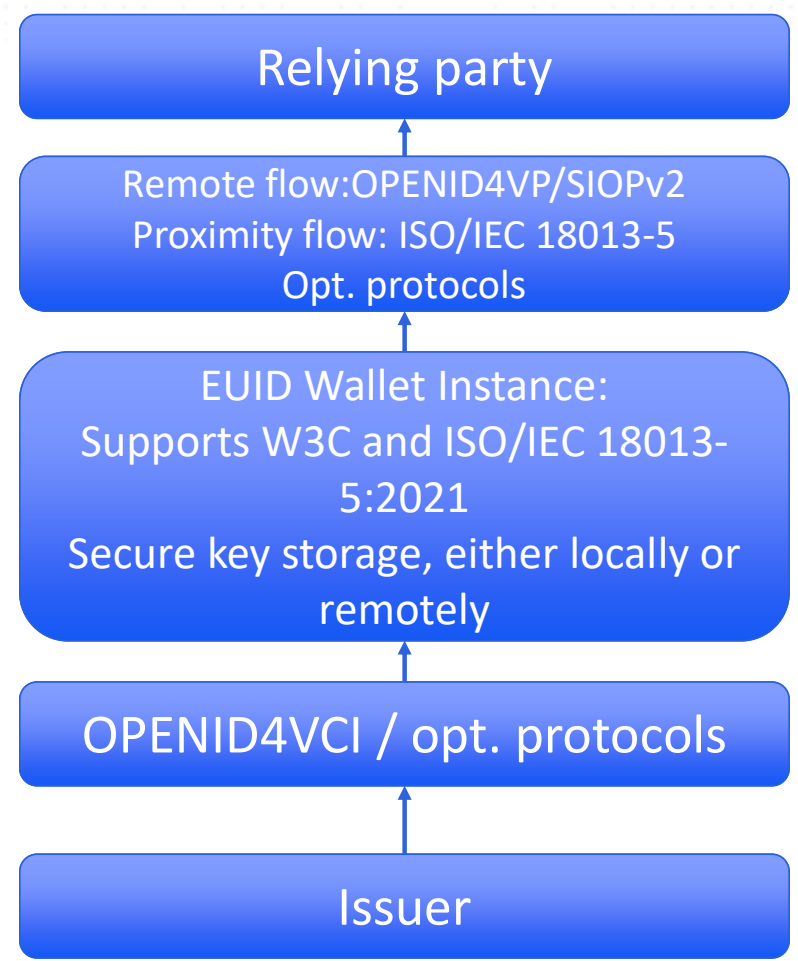


Use Cases for the European Digital Identity Wallet

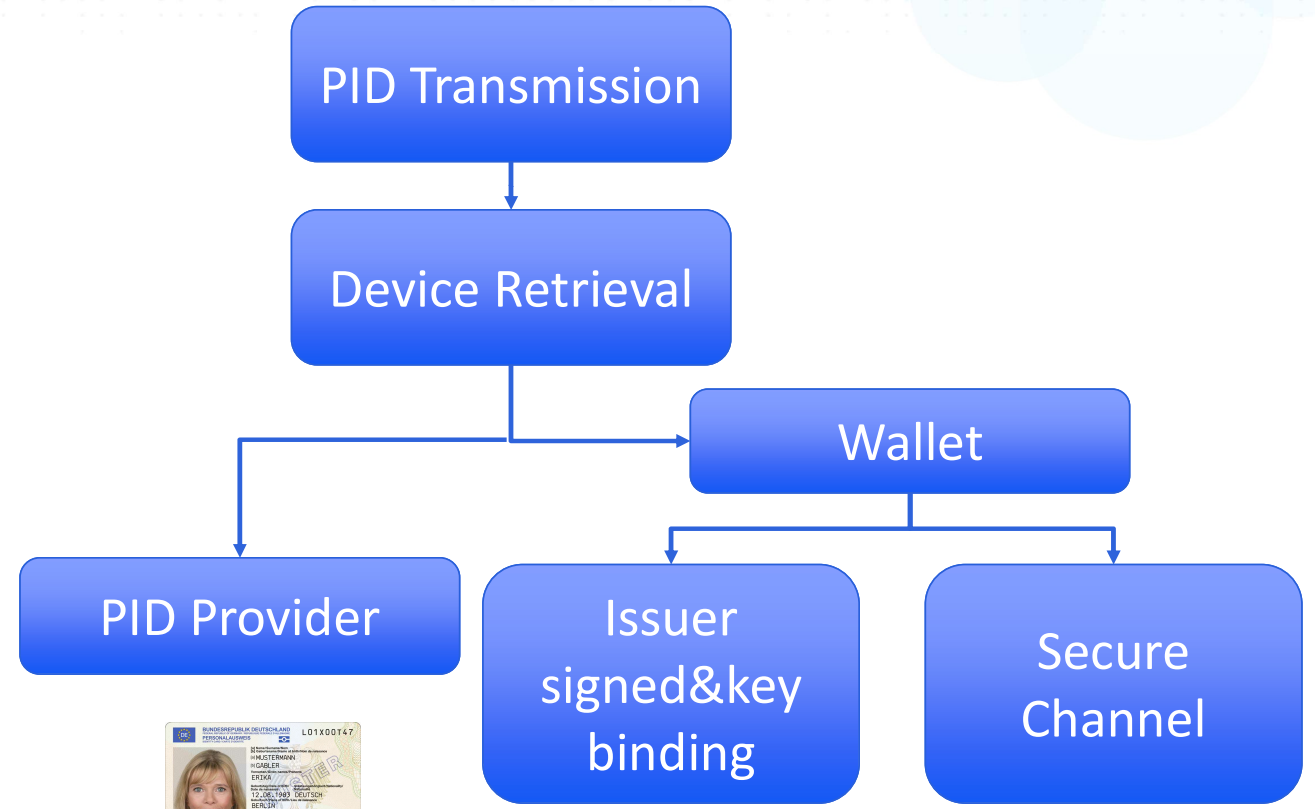
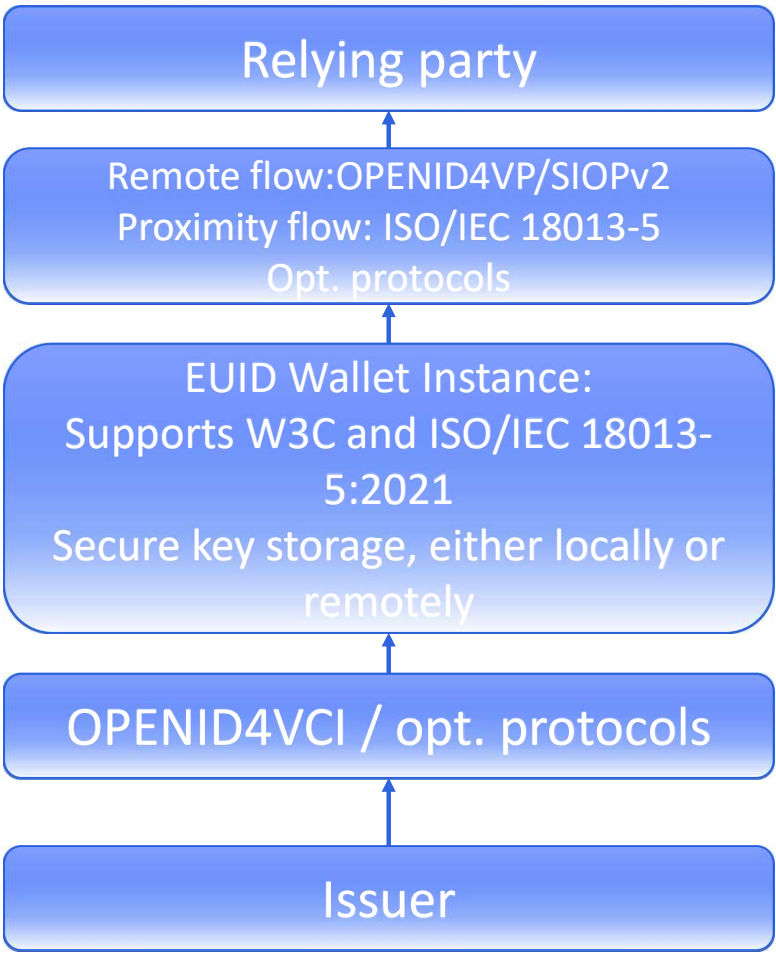


Source: VSDI e.V.
(Graphics inspired by Australia Post 2016)

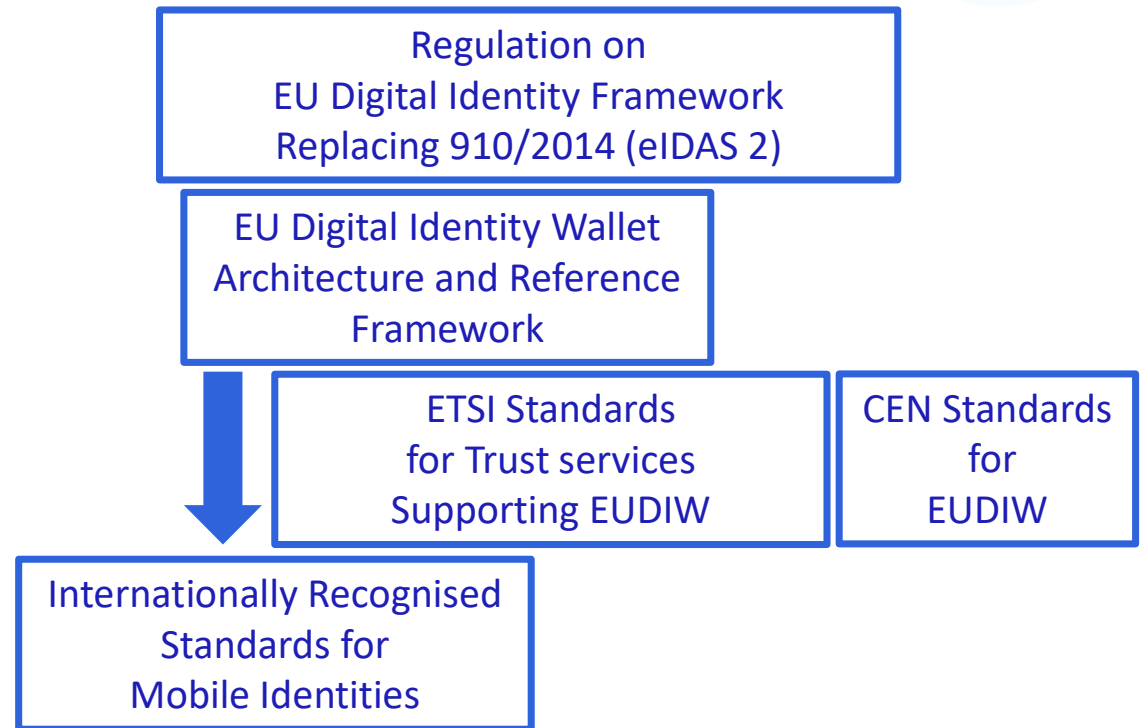
Technical Implementation of the European Digital Identity Wallet



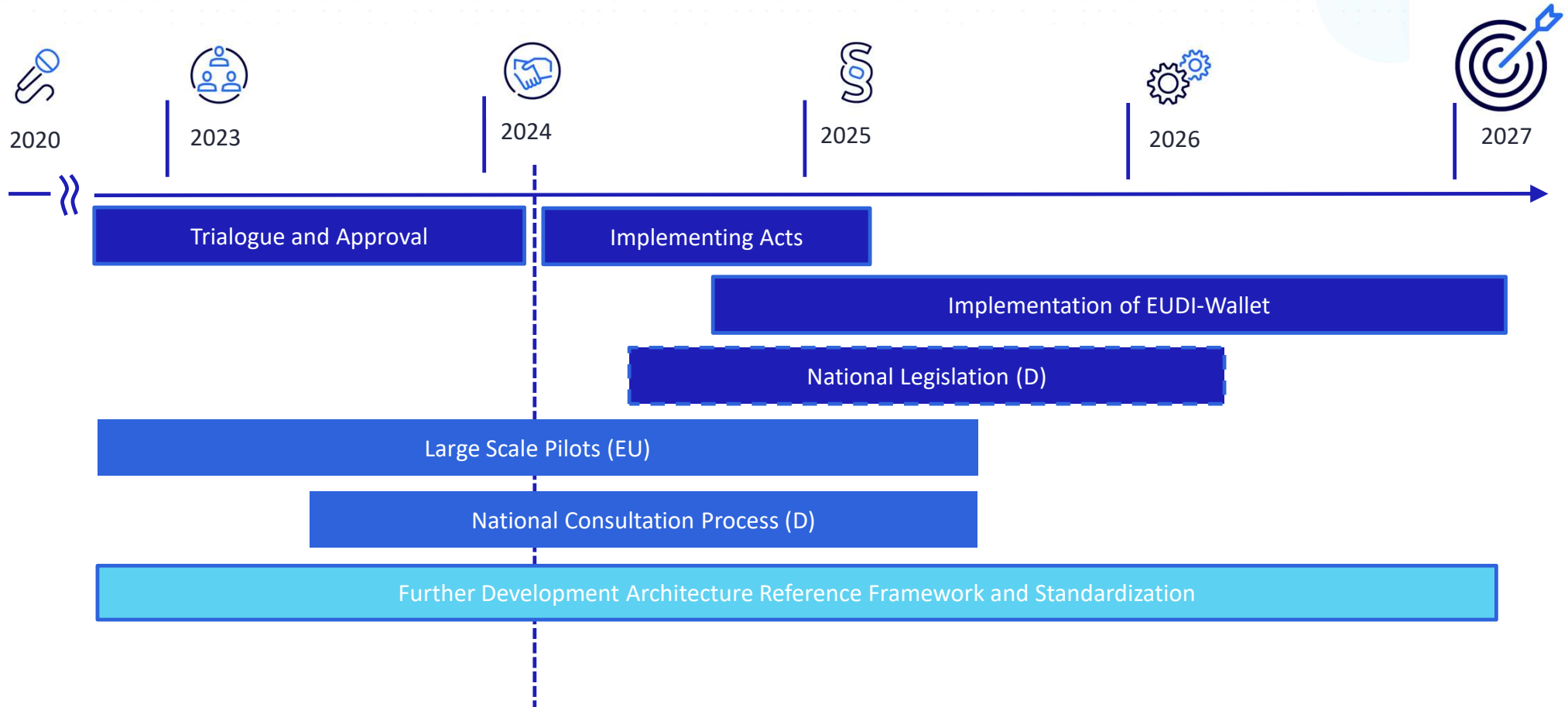
Technical Implementation of the European Digital Identity Wallet & current German approach



Harmonised standards for seamless cross-border services and common security standards



eIDAS 2.0 – Estimated Schedule



Lessons learned from the “Showcase Program Secure Digital Identities” in Germany

- I. Build new ways **on existing roads** – There is not *the* one way for digital identities.
- II. **Public-Private-Private Partnerships** can push 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.
- IV. To achieve the above, **open dialogue** formats between the government/ administration, the **civil society** and businesses are essential, esp. to create trust, acceptance and transparency. Germany’s consultation process can be a best practice for other nations.



Today's Takeaways

- The European Cybersecurity **regulatory landscape** creates a **trustworthy foundation** for our **digital future**
- Europe creates a **digital identity for all entities (legal and natural)**
- The new **digital identity ecosystem** creates a secure, trustworthy and self-sovereign **digital wallet**
- **We invite everyone** to participate in creating harmonized standards for seamless cross-border services
- We do believe that the eIDAS framework will have **potential impact** on other regions as a **blueprint**

Visit the German Pavilion at North Expo Hall, Booth 5469

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