

“Let’s dream of the future” CRA & Digital wallets

Christine CRIPPA MARTINEZ

10th Trust Services and eID Forum

25th September 2024

16th CA-Day

26th September 2024

HERAKLION, GREECE | ONLINE



www.thalesgroup.com





Who I am !



Christine CRIPPA MARTINEZ
Security Certification team Manager

Thales office
Meudon (Near Paris) France





“Let’s dream of the future”: Cyber Resilience Act and Digital wallets

- > What is the Cyber Resilience Act (CRA)?
- > What is the Digital Wallet / EUID wallet ?
- > What’s about CRA & Wallet ?



What is the CRA: Cyber Resilience Act ?

- > The Cyber Resilience Act is a framework describing Essential Security Requirements for Hardware & Software products with digital elements put on the European market.
The objective is to enforce cybersecurity in the European Market.

> CRA Product classification

90% of products	10% of products		
Default category	Important "Class I"	Important "Class II"	Critical
Self-assessment	Application of a standard or third party assessment	Third party assessment	Mandatory EU certification
Criteria: n/a	Criteria: <ul style="list-style-type: none"> • Functionality (e.g. critical software) • Intended use (e.g. industrial control/NIS2) • Other criteria (e.g. extent of impact) 		Additional criteria: <ul style="list-style-type: none"> • Used by NIS2 entities • Resilience of supply chain
To be amended/specified via delegated acts			
Examples: Photo editing, word processing, smart speakers, hard drives, games etc.	Examples (Annex III): Password managers, network interfaces, firewalls, microcontrollers etc.	Examples (Annex III): Operating systems, industrial firewalls, CPUs, secure elements etc.	Examples: Security Boxes, smart meter gateways, smartcards



*From EC

> Legislative next steps

- Approved by Parliament in March 2024, pending entry into force later this year
- [EIF-CRA + 12months]: the Commission shall adopt an implementing act specifying the technical description of the categories of important and critical products
- [EIF-CRA + 36months]: Application of the Regulation : 2027



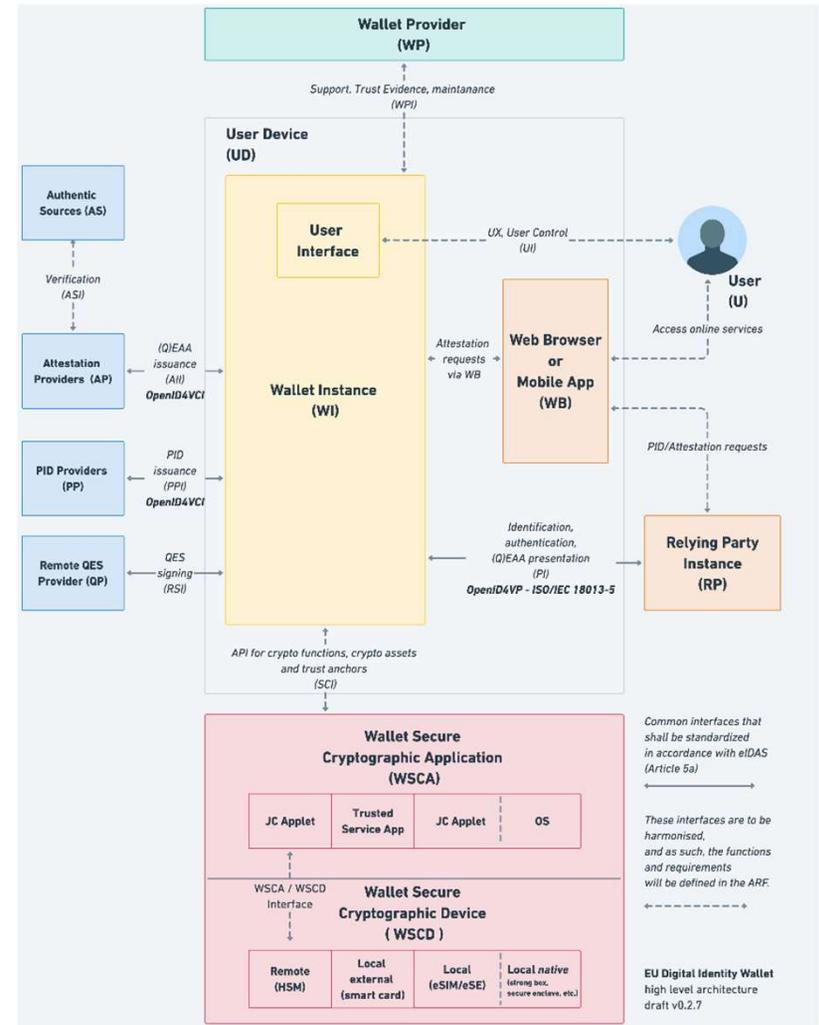
What is the Digital Wallet/ EUID Wallet ?

- > It is a software-based system or an application that runs on any connected device. (Mobile device but may be accessible through a computer). It stores payment information but also loyalty card, events ticket...
- > A digital ID wallet is an app that allows you to store, manage, and share your personal identity and credential information online.



What is the Digital Wallet / EUID Wallet

- > ARF 1.4 :EUDI Wallet solution ref architecture incl.
- > EUID Wallet is a complex mix between product/Service/Infrastructure
- > EUID Wallet could refer to different architectures & incl. different components
- > eIDAS revised version (regulation 2024/1183) article 3 (42))
 - « European Digital Identity Wallet » means an electronic identification means which allows the user to **securely** store, manage and validate person identification data and electronic attestations of attributes for the purpose of providing them to relying parties and other users of European Digital Identity Wallets, and to sign by means of qualified electronic signatures or to seal by means of qualified electronic seals; »





What is the Digital Wallet / EUID Wallet



Wallet (regulation 2024/1183)

- > **November 2026: Mandatory issuance by EU member states of digital identity wallet available to all citizen**
 - ▶ “aiming towards the **highest level of security**, privacy, user convenience, accessibility, wide usability and seamless interoperability”
 - ▶ “Relying on the **assurance level high** with regard to electronic identification schemes European Digital Identity Wallets should benefit from the potential offered by **tamper-proof solutions such as secure elements**, to comply with the security requirements under this Regulation”



CRA & EUID Wallet

- > IF we have look on eIDAS revised document, CRA document or Draft Implementing document for wallet certification national scheme
- > EUDI Wallet needs to be certified & needs to comply with CRA Essential Requirements.

- ▶ CRA: Recital 18 about EUID wallet
 - (18) .. **European Digital Identity Wallets** as referred to in Article [Article 6a(2) of Regulation (EU) No 910/2014, as amended by Proposal for a Regulation amending Regulation (EU) No 910/2014 as regards establishing a framework for a European Digital Identity], **should comply with both the horizontal essential requirements established by this Regulation and the specific security requirements established by Article** In order to facilitate compliance, wallet issuers should be able **to demonstrate the compliance of European Digital Identity Wallets with the requirements set out respectively in both acts by certifying their products under a European cybersecurity certification scheme ...**
- ▶ Article 5c of eIDAS revised version (regulation 2024/1183) : EUID Wallet shall be certified
 - The conformity of **European Digital Identity** Wallets and the electronic identification scheme under which they are provided with the requirements laid down in Article 5a(4), (5), (8), the requirement for logical separation laid down in Article 5a(14) and, where applicable, with the standards and technical specifications Referred to in Article 5a(24), **shall be certified** by conformity assessment bodies designated by Member States
- ▶ Article 7 3.a of draft Version of the implementing Act for EUID wallet National certification Scheme: EUID Wallet shall include CRA ESR
 - The provider of the wallet solution and the electronic identification scheme under which the wallet solution is provided **shall comply with the security criteria established by national certification schemes**, which shall include the following requirements:
 - (a) the **essential requirements as set out in Annex I to the Cyber Resilience Act** where applicable, or requirements meeting the security objectives set out in Article 51 of the Regulation (EU) 2019/881



CRA & EUID Wallet

> All is on going: precisions are required

- Which part of the wallet solution will be covered by CRA ?
- In which CRA product category the wallet will be put ?
- Does EUID wallet architectures will have an impact ? (Scope under CRA; ESR to consider)

> All is on going: some points to be finalized

- AT CRA level , the Commission shall adopt an implementing act specifying the technical description of the categories important and critical products / Standard documents under development
- At eIDAS level the wallet architecture to be finalized/ National certification schemes put in place/ the European certification scheme to be developed / Protection Profiles under development

Let's make together this secure ID Wallet a success!



Contact

Christine CRIPPA MARTINEZ

Security Certification Team Manager

 +33 (0)155 016 455

 Christine.crippa-martinez@thalesgroup.com

THALES
Building a future we can all trust

Thank you

www.thalesgroup.com