

Ekspertgruppe møte 3

eidas 2.0

Digital Identitet

Digdir

Agenda

Velkommen og introduksjon av deltakerne

Status for Digdirs prosjektportefølje

Sandkassen for digitale lommebøker

Avslutning av første fase av storskala pilotene og oppstart av WeBuILD

Ny regulering for European Business Wallet – hva vet vi så langt

Gjennomgang av bakgrunnsrapporter til KVVU og lovarbeidet som Digdir snart vil publisere

Status på vedtatte rettsakter og oversikt over kommende pakker

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Digdir m/ venner
etablerer
nasjonal sandkasse
for digital lommebok



Sandkassen skal sikre at Norge er klar for lommeboka

- Utforske og klargjere løysingar
- Bygge kompetanse og erfaring med digitale lommebøker
- Oppnå måla i WeBuild
- Kunnskapsgrunnlag for nasjonale beslutningar



Avhengig av **brei deltaking** frå sentrale markedsaktørar, offentlege og private verksemdar og interesseorganisasjonar som testar korleis lommebok-teknologi kan gje **betre digitale tenester**

Webusiness Identity Layer Development (WeBuILD)

- **WeBuILD** er en av de to EU-finansierte **Large Scale Pilots (LSP)**
- WeBuILD er spesifikt rettet mot **bedrifter, organisasjoner og juridiske enheter**
- Overordnet mål: Å utvikle og teste en **Europeisk Business Wallet** for juridiske enheter som muliggjør:
 - **Tillitsskapende digital samhandling** mellom virksomheter og offentlige myndigheter.
 - **Kryssnasjonal bruk av digitale bevis**, for eksempel bedriftsregistreringer, lisensdokumenter, sertifikater eller fullmakter.
 - En juridisk og teknisk arkitektur i tråd med eIDAS 2.0 og kommende EU-regelverk for virksomhetsidentitet.



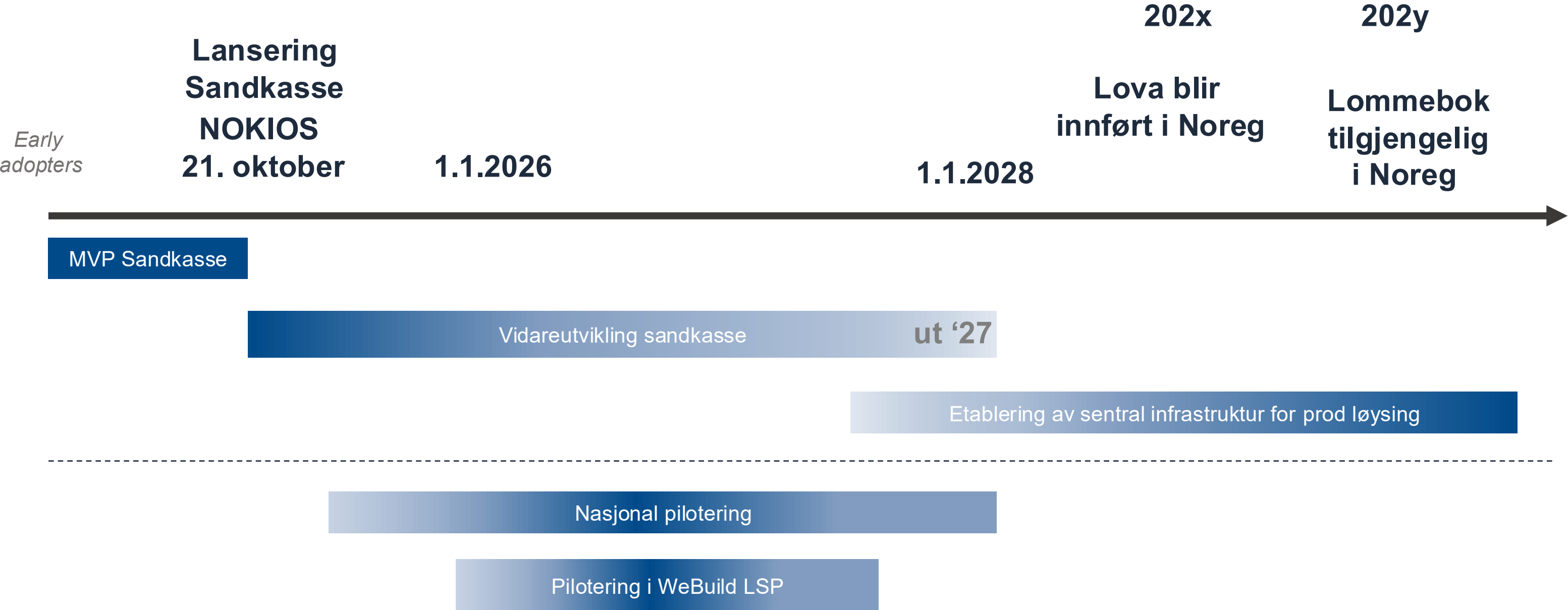
WE BUILD
Consortium

Starter i september

General Assembly 3rd and 4th of September 2025
Amsterdam - the Netherlands

Utvide og tilpasse sandkassen for å støtte virksomhetslommebøker.

Tidsplan...



Digdir tilbyr...

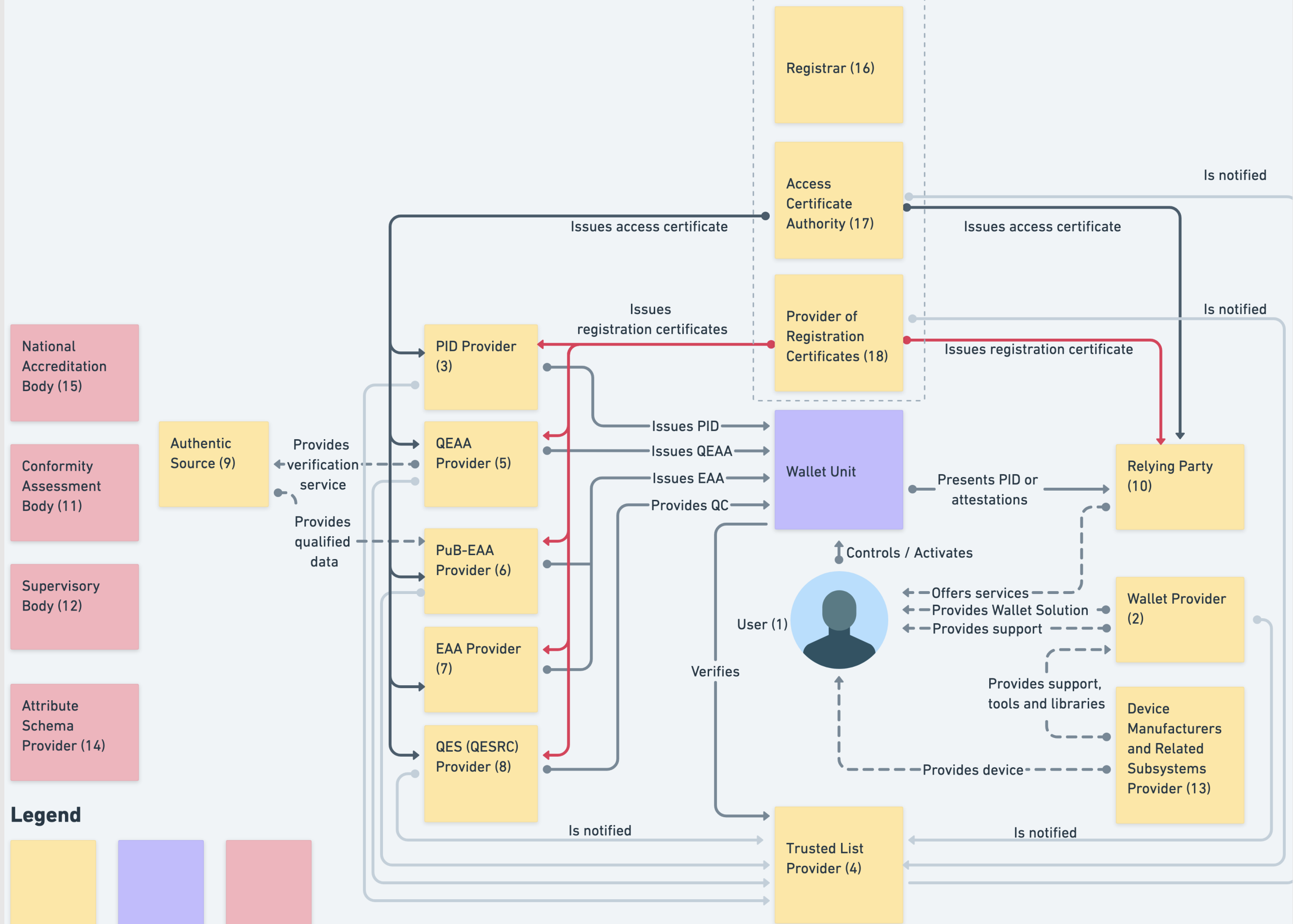
Kjernekomponenter

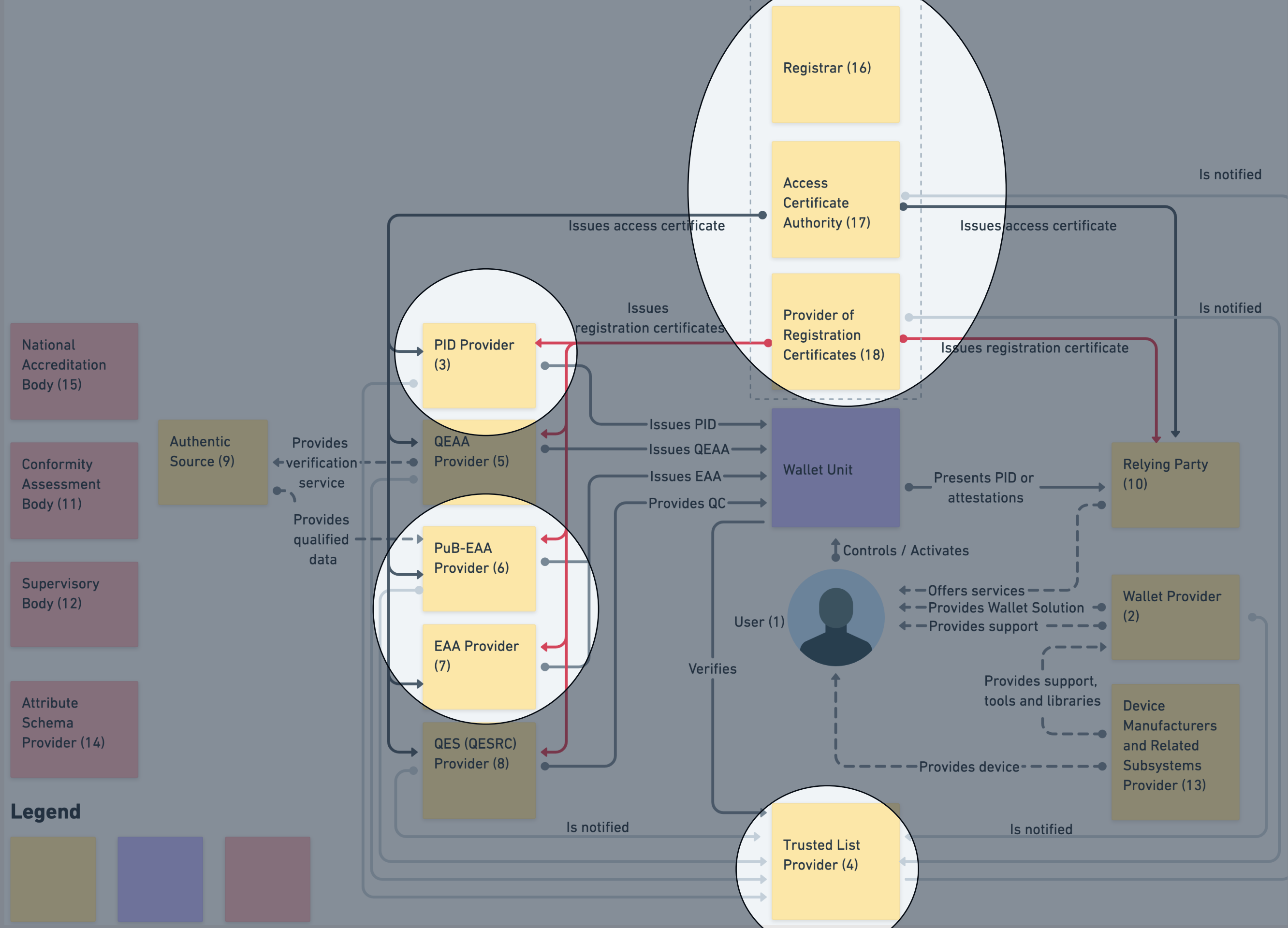
- Tillitsrammeverk
- Utstedar
- Demo-lommebok
- Arenaer for kunnskapsdeling

Du kan lage...

Det du vil!

- Utstedar
- Datakjelde
- Lommebok
- Brukarstad





Overordna funksjonalitet til Nokios

PID-Utstedelse

Utsteder med
«push-flyt»
«pull-flyt»

Demo-
personlommebok

Demo-
brukerstad

Tillitslister over
Access- og
EAA-sertifikater

Innsynsløysing
RP-register

Admin-løysing
for RP-register

Sjølvbetjening
for brukarstader





Me har berre sovidt begynt...

Langt att før me har bygd fullverdige
versjonar av komponentane

Er det vanskeleg å bli brukarstad ?

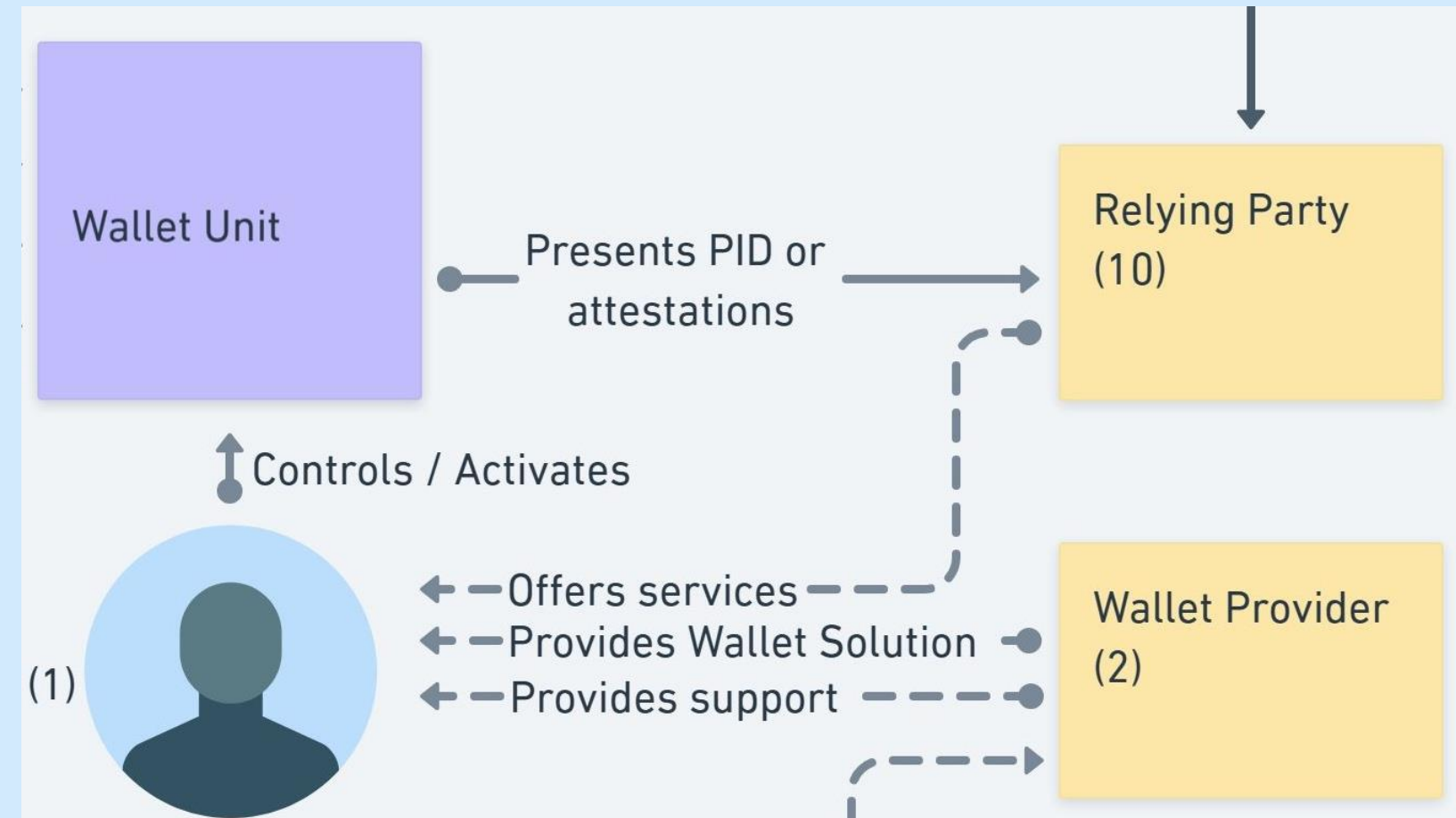
NEI !

1. Registrer deg i RP-registeret
 - ... og få eit tilgangsssertifikat
2. Finn beviset du vil ha i beviskatalog
3. Lag integrasjon med lommeboka

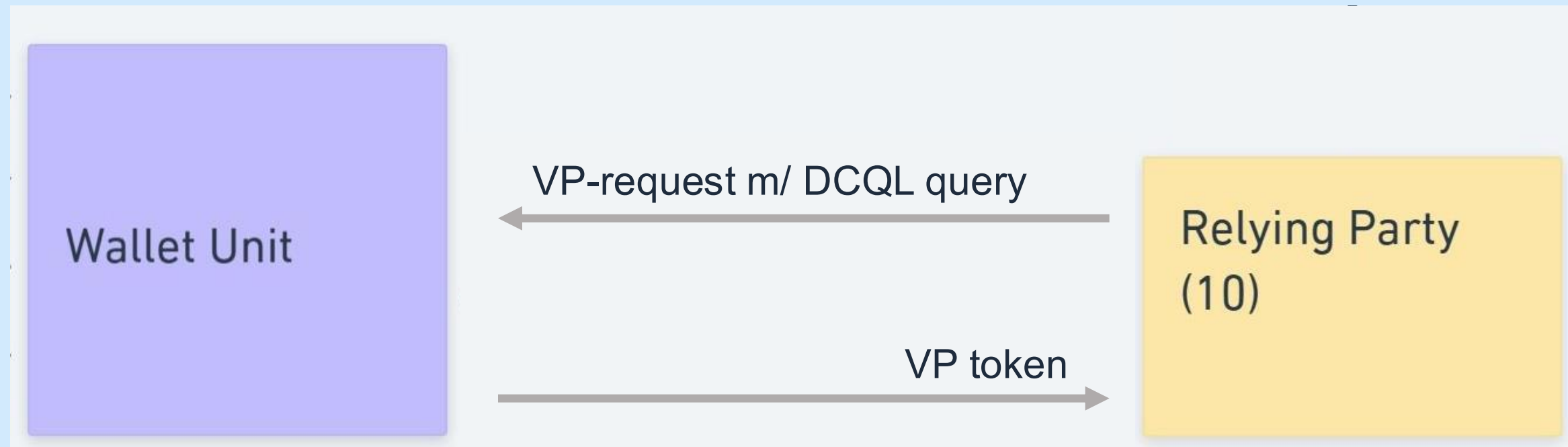
Er det vanskeleg å lage ein brukarstad ?

OpenID for Verifiable Presentation (OpenID4VP)

- Bygger på OAuth2
 - Kjent sikkerheitsmodell
 - Relativt enkel å implementere
- Breiare enn EUDIW
 - Format-agnostisk
 - Tillitsmodell-agnostisk



OpenID4VP (verifiable presentation)



Når kan eg gjere dette ?

Idag !

(i test...)

Har du lyst til å delta?

Teknisk dokumentasjon:

<https://docs.digdir.no>

=> »Digital lommebok«

Ope diskusjonsfora:



Offentleg-PaaS:
#digdir-digital-lommebok

Privat sektor: bruk Slack Connect
<https://digdir-samarbeid.slack.com>

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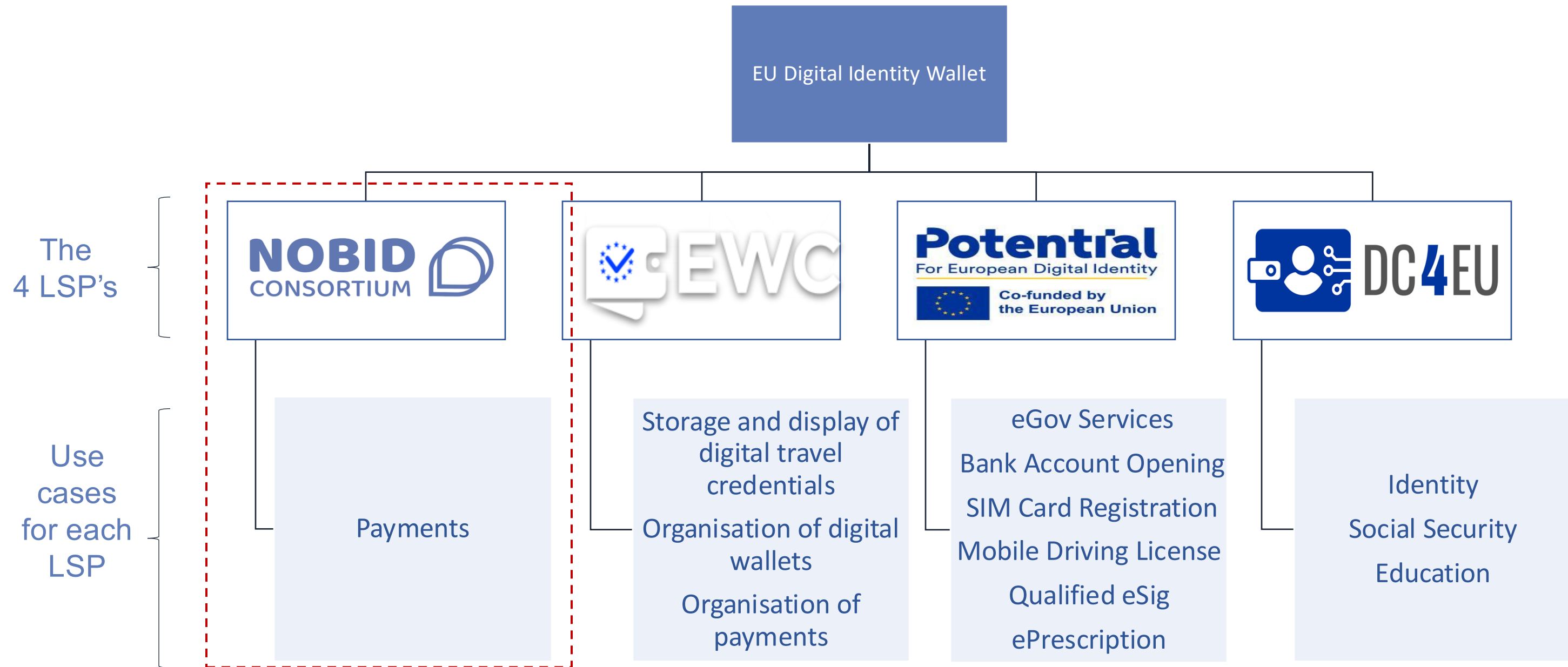
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NOBID Consortium in Numbers

2

year project

A budget of 20 million euros - 50% funded by the EU.

6

Countries

Nordic and Baltic countries together with Italy and DSGVO.

30+

partners

From the public and private sectors. Includes technology players, research and development, and some of Europe's largest banks.

9

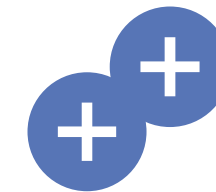
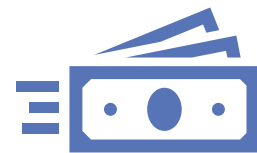
work packages

Covers project management, communication, future partners, technical implementation and testing of the wallet, onboarding of users, issuing attributes and payment instruments, qualified electronic signatures, and ensuring cross-border interoperability across Europe.

NOBID Consortium consists of several international participating countries and partners



The main purpose of the NOBID Consortium is to pilot for the payment use case through 6 steps



Create a
pilot wallet

Add users
to the
wallet

Execute
transaction
s

Add future
partners

Additional
attributes to test
in the wallet

Signing



ts

NOW



Established «Advisory Board»

Test report and recommendations

Piloting PID / onboarding process to wallet

Developed an internal wallet adaptable to ARF / RI

Testing and execution of the payment process

Completed the architecture for remote signing

Completed design of cross-border identification matching

Reports for signatures and cross-border onboarding with QES

Sustainability business strategy and Roadmap for implementation of the eco-system

Developed whitepaper for the payment process including a paper on joint standards and protocols for payments in collaboration with EWC



Two Years of Collaboration



- Support the piloting of the EU Digital Wallet in the payment sector.
- Test use cases, interoperability, and scalability at national and international levels.
- Assist member states in building expertise and infrastructure in accordance with the eIDAS regulation.



Create a pilot wallet



Add users to the wallet



Execute transactions



Add future partners



Additional attributes to test in the wallet



Signing

Key information | NOBID

Two-year project with 9 work packages, led by Digdir.

6 countries and 30+ partners from the public and private sectors. Includes technology players, research and development, and some of Europe's largest banks.

A budget of 20 million euros - 50% funded by the EU.

Participating countries



Country representatives



Government of Iceland
Ministry of Finance
and Economic Affairs

Partners



Wallet Ecosystem for Business and payments

Use cases on Identification, Legal representation and Data sharing

180+

Participating organisations



Foreløpige brukerhistorier i webuild – norsk lovgiving og aktører

KYB

EU/EØS: AMLR 2024/1624
NO: Brønnøysundregistrene,
Skatteetaten

Juridisk representasjon

EU/EØS: eIDAS 2
NO: Altinn, banker

B2B/B2C betaling

EU/EØS: PSD2, Digital Euro
NO: Norges Bank,
Vipps, Bits

EMSWe

EU/EØS: 2019/1239
NO: Kystverket,
Rederier

Datadeling & compliance

EU/EØS: DGA, Data Act
NO: Digdir,
SSB, Skatteetaten

KYS

EU/EØS: AMLR, eFTI
NO: Tolletaten,
Posten/Bring

Org. identitet

EU/EØS: LEI, eIDAS 2
NO: Finanstilsynet,
BR

eCMR

EU/EØS: eFTI
NO: Statens vegvesen,
Posten

Digital Product Passport

EU/EØS: ESPR 2024/1781
NO: Miljødirektoratet,
SINTEF

KYE

EU/EØS: AMLR
NO: Equinor, Statkraft,
Skatteetaten

Handels-onboarding

EU/EØS: AMLR, PSD2
NO: Banker, Finanstilsynet

eFTI

EU/EØS: eFTI 2020/1056
NO: Tolletaten,
Kystverket

EPREL

EU/EØS: 2017/1369
NO: NVE,
forhandlere

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Politisk kontekst



I 2024 sendte **12 medlemsland et felles uformelt dokument til kommisjonen** der de anbefalte tiltak for å «gjøre prosessen med å overholde rapporteringsforpliktelser enklere for bedrifter».



Presidentens politiske retningslinjer gjør **forenkling, reduksjon av administrativ byrde** og forbedring av regeloverholdelse til noen av kollegiets viktigste politiske prioriteringer.



Kompass for konkurranseevne; «Den europeiske virksomhetslommeboken vil være **hjørnesteinen i å drive forretninger enkelt og digitalt i EU**, og gi et sømløst miljø for bedrifter der de kan samhandle med alle offentlige forvaltninger»

Utfordringer initiativet tar sikte på å løse

- Tap på **8,91 milliarder euro** i global økonomisk verdi årlig

Ressurskrevende rapporteringsforpliktelser

Økonomiske aktører står overfor komplekse og varierende rapporteringskrav i henhold til nasjonale standarder



Papirbaserte metoder

Forpliktelser oppfylles fortsatt ofte ved hjelp av utdaterte, papirbaserte eller frakoblede digitale systemer



Manglende juridisk rammeverk

Intet EU-omfattende system for digital identifisering og autentisering av økonomiske aktører og offentlige forvaltninger



Fragmenterte prosesser

Avvikende nasjonale regler, tekniske systemer og administrative prosedyrer fører til ineffektivitet og byrder



Digital identitet for økonomiske aktører

Europeisk unik identifikator
Digital fullmakt
EU-selskapssertifikat
Forretningslisenser
Miljølisenser
VAT registrering
...

Lagre, dele og
overføre data og
viktige dokumenter

Europeisk
virksomhetslommebok

Driftet en sikker
online tjeneste
(skybasert)

En juridisk anerkjent kanal for grenseoverskridende notifikasjoner og tillitstjenester

Juridisk gyldig og sikker

Muliggjør grenseoverskridende **levering og mottak** av offisiell kommunikasjon og **regulatoriske notifikasjoner** med juridisk virkning



Anerkjent digital kanal

Fungerer som en pålitelig kanal for bedrifter å **samhandle med offentlige myndigheter og andre regulerte aktører** i hele EU



Inkluderer eIDAS-tillitstjenester

Utstyrt med et **verktøysett for digitale signaturer, segl, tidsstempler** og andre tillitstjenester



Markedsdrevet og modulær

Leverert av private aktører under et fleksibelt EU-rammeverk, som sikrer **fleksibilitet, innovasjon** og konkurransedyktige leveranser



Functionalities of the European Business Wallet

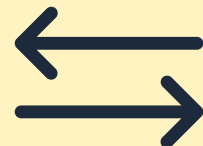
Authentication and identification

Digital identity **for all economic operators and public administrations** using a unique ID (EUID)



Exchanges of EAAs

The possibility to exchange **EAAs** between wallets for **any range of attributes**, like data about company or economic operator itself, its assets and resources, employees, products, etc



Legally valid communication channel

Based on a **Qualified Electronic Register Delivery Service (QERDS)**, and supported by a European Digital Directory service

European Digital Directory

Trust services

Re-using electronic seals and signatures, time stamps, e-archiving etc from the European Digital Identity Framework



Forordningen for European business wallet

- Blir en ny selvstendig forordning som følger ordinær prosedyre
- Gjenbraker tillitsrammeverket i eidas 2
- Beskrevet som en "tynn regulering"
- Kommisjonen vil diskutere den i EDICG (Digdir deltar)
- Lovforslaget kommer medio desember
- Arkitektur arbeid som fortsettelse av ARF arbeidet

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Mål 1 i eID-strategien:

- *«Alle relevante brukergrupper skal enkelt kunne skaffe seg en eID på det sikkerhetsnivået de har behov for»*

«Regjeringen vil»-tiltak i Digitaliseringsstrategien:

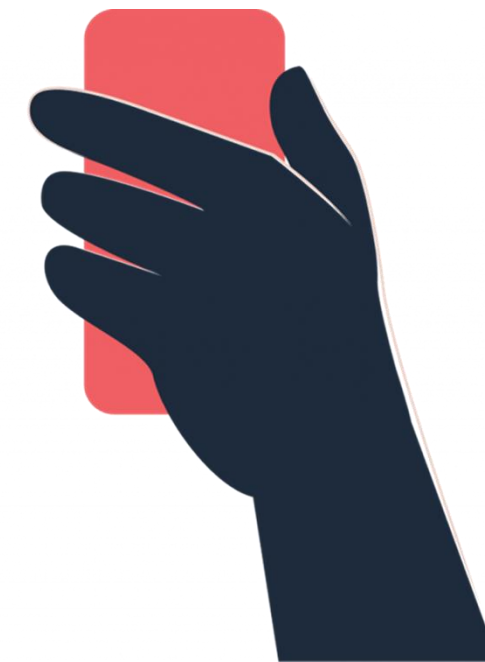
- *«Regjeringen vil tilby alle en digital lommebok innen utgangen av 2030»*

EU digital decade policy, innen 2030:

- *«100% of citizens have access to digital ID»*

Kunnskapsinnhenting til KVUen (september 2024 – Q1 2025)

- En del av idéfasen, som omfatter det tidligste arbeidet.
- Over 35 bidragsyttere, NGOer, private, offentlige virksomheter.
- Samtidig søker prosessen å ta hensyn til offentlighet og deltakelse
 - Sammenstillingen av kunnskapsinnhentingens offentliggjøres når den er ferdigstilt.
- Ref. tiltak 1.2 i handlingsplanen og eIDAS 2: Vi trenger kunnskap om hvordan vi når «alle»
- 3 spørsmålsrunder; Blant annet - Hvem? (har rett til en eID)



Article 5a nr 1

- **For the purpose of ensuring that all natural and legal persons in the Union have secure, trusted and seamless cross-border access to public and private services, while having full control over their data, each Member State shall provide at least one European Digital Identity Wallet within 24 months of the date of entry into force of the implementing acts referred to in paragraph 23 of this Article and in Article 5c(6).**

Non-discriminatory

- **eIDAS 2014 (old Article 15):**
Accessibility for persons with disabilities
- ***“Where feasible, trust services provided and end-user products used in the provision of those services shall be made accessible for persons with disabilities”.***

- **eIDAS 2024 (art. 5a 21)**
- ***“European Digital Identity Wallets shall be made accessible for use, by persons with disabilities, on an equal basis with other users, in accordance with Directive (EU) 2019/882 of the European Parliament and of the Council”.***

- **eIDAS 2014 (New Article 15):**
Accessibility for persons with disabilities and special needs
- The provision of electronic identification means, trust services and end-user products that are used in the provision of those services shall be made available in plain and intelligible language, in accordance with the United Nations Convention on the Rights of Persons with Disabilities and with the accessibility requirements of Directive (EU) 2019/882, **thus also benefiting persons who experience functional limitations, such as elderly people, and persons with limited access to digital technologies.**

NOTE: To be decided in the hearing of eIDAS 2, before implementation in national law

- **Preliminary assessment age:**
 - **12 years as the minimum age limit for eID at LoA high. This requires separate age limits for eID and electronic signature.**
 - There is no specific age limit to be considered for issuing eID either in the eIDAS regulation or related regulations. Some rules on understanding risk and limitation on use (“aware of”), may be relevant for minimum age limit.
 - Age limits will then follow from the national law of the member states and will in principle be up to the member states to determine (in light of guardianship laws, laws protecting children etc.).
- **Preliminary assessment special needs:**
 - **There is no general basis for excluding anyone from being issued an eID based on disabilities and special needs.**
 - Remedial measures in the use-phase should be implemented to manage risk profiles.
 - Where remedial measures are not possible, it is about offering alternative solutions, such as power of attorney and representation solutions.

Note: Figures are based on an extract of traffic from the ID-porten, which has been washed against the Norwegian Population Register. The figures show us unique users who have logged into ID-porten with an eID at LoA High at least once between January 19, 2024 and January 18, 2025.

4 551 173 is the number of unique IDs who, in that period, has accessed public services trough ID-porten

95,76 %

Presumed coverage rate of eID LoA high among «residents» of 18 years and above

226 212

«Residents» of the age 18 and above presumed lacking eID LoA High

317 319

«Residents» between the age of 12 og 17 presumed lacking eID LoA High

78,35 %

Lower presumed coverage rate among the elderly (80 years and above)

Approx. 200 000

Reservations against digital communication from the Norwegian public sector

15 years 37,86 %

16 years 87,40 %

Presumed coverage rate. Represents the biggest leap

NOTE: To be decided in the hearing of eIDAS 2, before implementation in national law

- **Preliminary assessment foreigners:**

The group of people who can be offered a “Norwegian” EUDIW may be divided into two:

1. Those who must be offered a digital identity wallet (all Norwegian citizens and residents of Norway, 12 years of age or older)
2. Those who can be offered a digital identity wallet (Non-residents and persons with temporary ties to Norway)

92 116

Number of people residing outside Norway who use Norwegian eID at LoA High to access Norwegian digital services

2,6 mill

D-numbers. 740 000 being «Active»

37 562

Total d-number users presumed on LoA High (EU/EEA 93,94 %).
Approx 140.000 on LoA substantial

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Vedtatte og publiserte rettsakter.

- 3. pakke vart vedteken 25. juni og dei seks siste av denne pakken vart publiserte 30.9.
 - Tidsstempel
 - Kvalifisert valideringsteneste for kvalifisert esignering og esegl
 - Kvalifiserte sertifikat for kvalifisert esignering og esegl
 - Kvalifisert registert sendingsteneste
 - Validering av kvalifisert og avansert esignatur og segl.
 - Kvalifisert lagring av esignatur og segl.

Internal procedures based on this legislative basic act

- [Draft implementing regulation](#) Protocols and interfaces to be supported by the European Digital Identity Wallets;
- [Draft implementing regulation](#) Protocols and interfaces to be supported by the European Digital Identity Wallets;
- [Draft implementing regulation](#) Person identification data and electronic attestations of attributes issued to European Digital Identity Wallets;
- [Draft implementing regulation](#) Person identification data and electronic attestations of attributes issued to European Digital Identity Wallets;
- [Draft implementing regulation](#) Certification of European Digital Identity Wallets;
- [Draft implementing regulation](#) Certification of European Digital Identity Wallets;
- [Draft implementing regulation](#) Trust framework;
- [Draft implementing regulation](#) Trust framework;
- [Draft implementing regulation](#) Functionalities and integrity of European Digital Identity Wallets;
- [Draft implementing regulation](#) Functionalities and integrity of European Digital Identity Wallets;
- [Draft implementing regulation](#) List of certified European Digital Identity Wallets;
- [Draft implementing regulation](#) List of certified European Digital Identity Wallets;
- [Draft implementing regulation](#) Registration of relying parties of European Digital Identity Wallets;
- [Draft implementing regulation](#) Registration of relying parties of European Digital Identity Wallets;
- [Draft implementing regulation](#) Security breaches of European Digital Identity Wallets;
- [Draft implementing regulation](#) Security breaches of European Digital Identity Wallets;
- [Draft implementing regulation](#) Qualified electronic attestation of attributes under the EDIF;
- [Draft implementing regulation](#) Qualified electronic attestation of attributes under the EDIF;
- [Draft implementing regulation](#) Cross-border identity matching under the European Digital Identity Framework;
- [Draft implementing regulation](#) Cross-border identity matching under the European Digital Identity Framework;
- [Draft implementing regulation](#) Qualified preservation services for qualified electronic signatures and for qualified electronic seals;
- [Draft implementing regulation](#) Qualified preservation services for qualified electronic signatures and for qualified electronic seals;
- [Draft implementing regulation](#) Verification of identity and attributes at qualified certificate or qualified attestation of attributes;
- [Draft implementing regulation](#) Verification of identity and attributes at qualified certificate or qualified attestation of attributes;
- [Draft implementing regulation](#) Provision of qualified electronic time stamping services;
- [Draft implementing regulation](#) Provision of qualified electronic time stamping services;
- [Draft implementing regulation](#) Management of remote qualified signature creation devices as a qualified trust service;
- [Draft implementing regulation](#) Management of remote qualified signature creation devices as a qualified trust service;
- [Draft implementing regulation](#) Procedural arrangements for peer-reviews of electronic identification schemes to be notified;
- [Draft implementing regulation](#) Procedural arrangements for peer-reviews of electronic identification schemes to be notified;
- [Draft implementing regulation](#) Qualified validation services for qualified electronic signatures and seals;
- [Draft implementing regulation](#) Qualified validation services for qualified electronic signatures and seals;
- [Draft implementing regulation](#) Requirements for qualified electronic registered services;
- [Draft implementing regulation](#) Requirements for qualified electronic registered services;
- [Draft implementing regulation](#) Validation of qualified electronic signatures and seals as well as advanced electronic signatures;
- [Draft implementing regulation](#) Validation of qualified electronic signatures and seals as well as advanced electronic signatures;
- [Draft implementing regulation](#) Notification and verification of the initiation of a qualified trust service;
- [Draft implementing regulation](#) Notification and verification of the initiation of a qualified trust service;
- [Draft implementing regulation](#) Notification of qualified electronic signature & seal creation devices that have been certified;
- [Draft implementing regulation](#) Notification of qualified electronic signature & seal creation devices that have been certified;
- [Draft implementing regulation](#) Qualified certificates for electronic signatures and electronic seals;
- [Draft implementing regulation](#) Qualified certificates for electronic signatures and electronic seals;
- [Draft implementing regulation](#) Submissions of the annual reports by supervisory bodies to the Commission;
- [Draft implementing regulation](#) Submissions of the annual reports by supervisory bodies to the Commission;

Vedtatte rettsakter

- 4. pakke vart vedteken 16.9.
- CAB akkreditering
- Krav til ikkjequalifiserte tillitstjenesteleverandørar
- Oppdatering av 1505 til ny versjon av tillitslistestandarden.

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Komande arbeid

- Pakke 5:
 - QE-ledgers
 - Format for esignering
 - QTSP etterlevelse
 - QWACs
 - Elektronisk arkiv

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Komande arbeid

- Pakke 6, rettsakter med heimel i:
 - Art. 12 (8): rammeverk for interoperabilitet
 - Art 8(3): Oppdatering av 1502
 - Art 30(3)/39(3): «list of standards for the security assessment of information technology products»

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Hald dykk oppdatert på rettsaktene

- <https://samarbeid.digdir.no/digital-lommebok/dette-er-eidas-forordninga/3206>

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Status for Digdirs prosjektportefølje

Sandkassen for digitale lommebøker

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Ny regulering for European Business Wallet – hva vet vi så langt

Gjennomgang av bakgrunnsrapporter til KVVU og lovarbeidet som Digdir snart vil publisere

Status på vedtatte rettsakter og oversikt over kommende pakker

Remote onboarding til lommeboken:

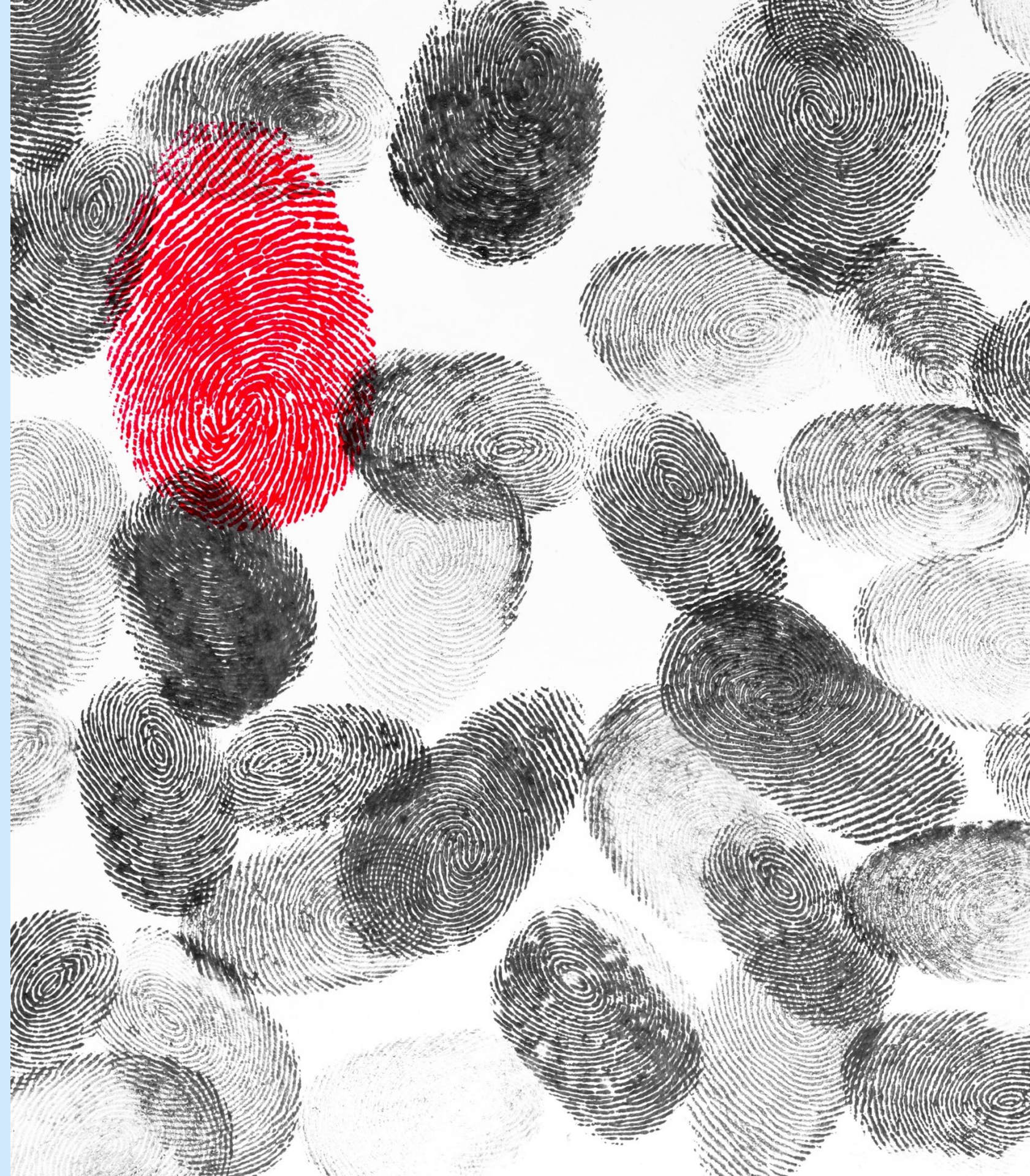
Utredning av gevinster og forretningsmodeller for lommeboken

Planer for videre møter

Eventuelt

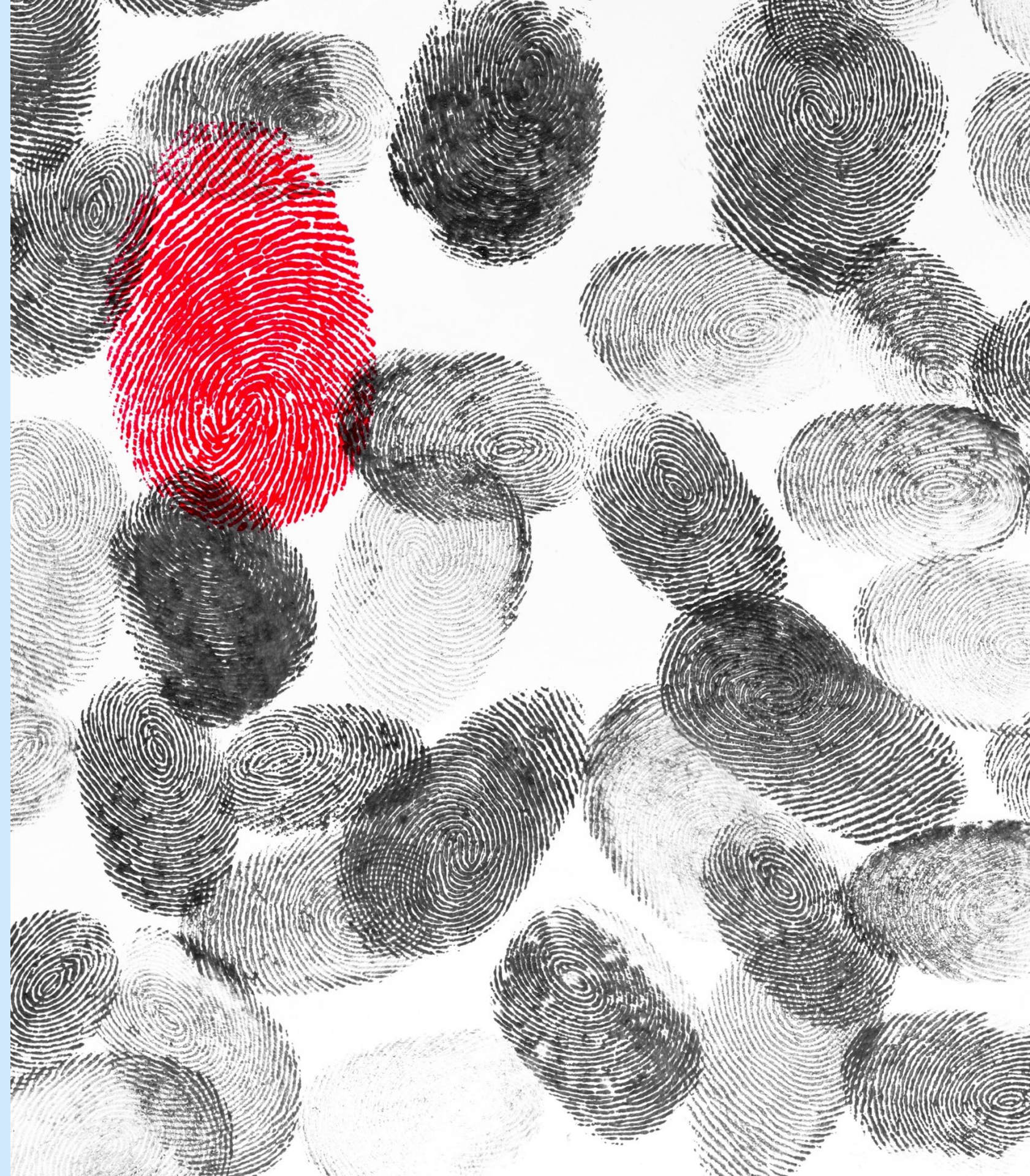
Grunnlag

- *Article 5a(24):* “The Commission shall, by means of implementing acts, establish a **list of reference standards** and, where necessary, establish **specifications and procedures** in order to facilitate the onboarding of users to the European Digital Identity Wallet either by electronic identification means conforming to assurance level high or by **electronic identification means conforming to assurance level substantial in conjunction with additional remote onboarding procedures that together meet the requirements of assurance level high**. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 48(2).”



Status

- Mottatt «non-paper» som skildrar problemstillinga og gir ei oversikt over standardar og risikoar.
- Forventar «non-paper»-utkast i samband med pakke 6 i midten av oktober.
- Men har ikkje fått konkret tidsløp endå.

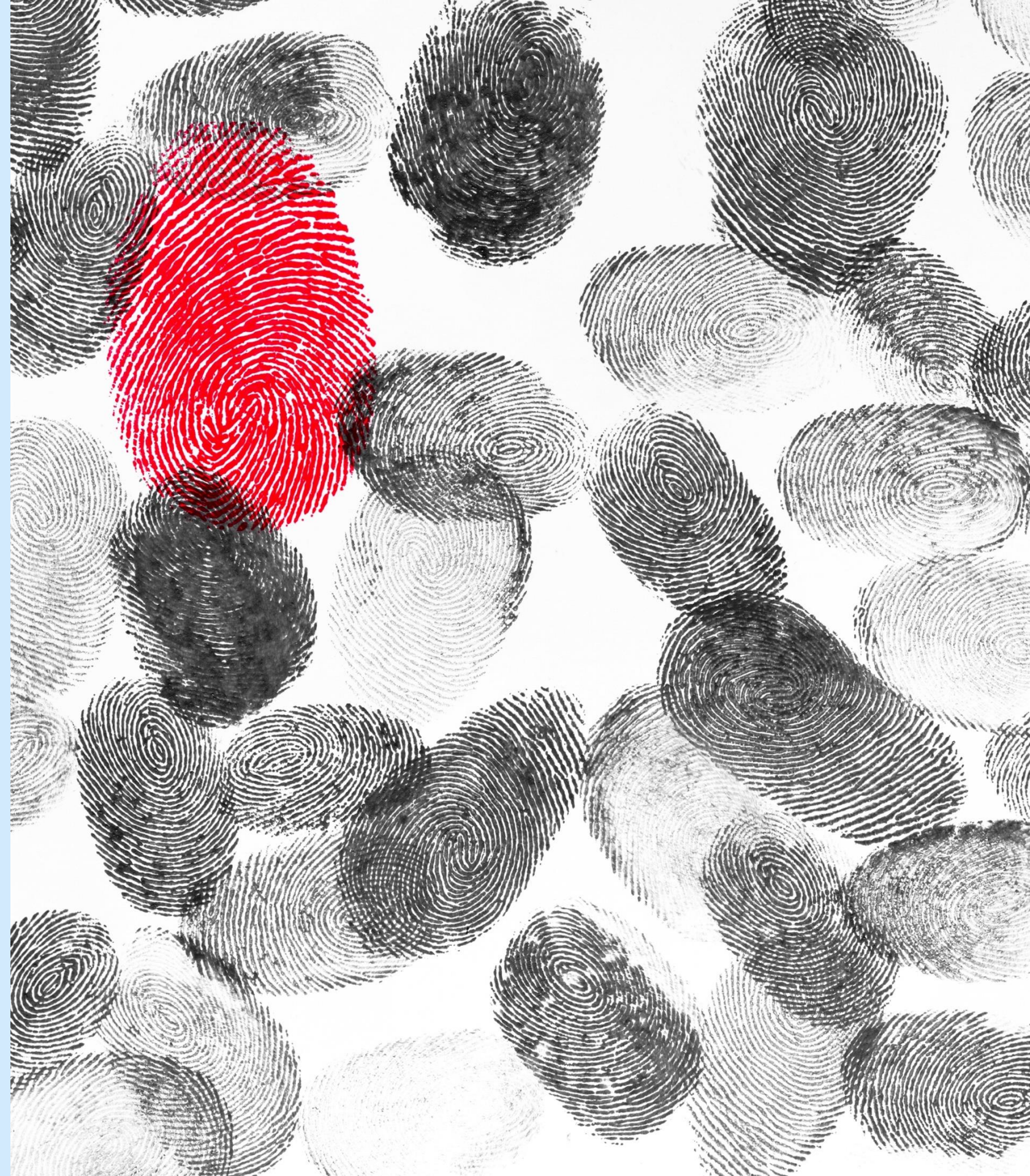


During remote identity verification, three distinct process steps can be distinguished:

- the collection of evidence through an authoritative source,
- the capturing of data through direct observation and
- the binding of the evidence to the applicant by comparing the information from the authoritative source to the captured information.

This shall enable the verifier to answer these essential questions:

- Is the document authentic and valid?
- Is the person a real, live individual?
- Does the person correspond to the document presented?



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Kartlegging av gevinstpotensial for bruksfasen av digital personlommebok

- KVVU-en fokuserer på *utstedelse* av eID til alle (→ stor offentlig kostnad)
- Behov for også å utrede *bruksfasen* av digitale personlommebøker (Delprosjekt 4)
- → Utredning av:
 - hvordan ulike samfunnsområder (offentlig sektor, næringslivet og sivilsamfunnet) vil påvirkes av innføringen digital personlommebok
 - en vurdering av potensielle gevinster for offentlig sektor, næringslivet og sivilsamfunnet ved innføring
 - hvordan de identifiserte gevinstene kan forløses, herunder for offentlig sektor, privat næringsliv og sivilsamfunnet.
- Gjennomføres av CapGemini Invent/Menon; ferdigstilling i desember
 - Eksplorativ kartlegging innledningsvis, deretter seleksjon av brukscase
- Blant annet gjennomføring av interjvu med relevante aktører
 - Både i den innledende fasen og knyttet til utvalgte brukscase. **CapGemini tar kontakt!**

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torsdag

Møteplan høsten 2025

Et fysisk møte i oktober men fokus på sandkass og KVV
Månedlige Online møter

mnd	møteform	dato
September	Online status	02/10 10-12
Oktober	Fysisk halvdag workshop KVV og Sandkasse	30/10 09-1230 Økern
November	Online status	
Desember	Online status lovforslag European business wallet	18/12 10-12



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