

# eIDAS 2.0

Muligheter i et nytt digitalt økosystem



# eIDAS-forordningen

Regulation (EU) No 910/2014 of 23 July 2014

Electronic identification (eID) and Trust Services for my business

eIDAS SOLUTIONS

for electronic  
and re

**LOVDATA** Søk etter lover, forskrifter, dommer og stortingsvedtak

Rettskilder Lov om gjennomføring av EUs forordning om elektronisk identifikasjon og tillitstjenester for elektr...

Innholdsfortegnelse

Rettskilder

- Lover
- Stortingsvedtak
- Sentrale forskrifter
- Lokale forskrifter
- Norsk Lovtidend
- Norges traktater
- Dommer
- Statens personalhåndbok
- Oversatte lover / Translated Acts
- Oversatte forskrifter /

Gå til opprinnelig kunngjort versjon

**Lov om gjennomføring av EUs forordning om elektronisk identifikasjon og tillitstjenester for elektroniske transaksjoner i det indre marked (lov om elektroniske tillitstjenester)**

Dato	LOV-2018-06-15-44
Departement	Nærings- og fiskeridepartementet
Ikrafttredelse	15.06.2018
Endrer	LOV-2001-06-15-81
Kunngjort	15.06.2018
Korttittel	Lov om elektroniske tillitstjenester

Jf. tidligere lov 15. juni 2001 nr. 81. – Jf. EØS-avtalen vedlegg XI nr. 5I (forordning (EU) nr. 910/2014).

§ 1. eID og elektroniske tillitstjenester i EØS



HELPS AVOID FISHING, PROTECTING THE REPUTATION OF YOUR BUSINESS

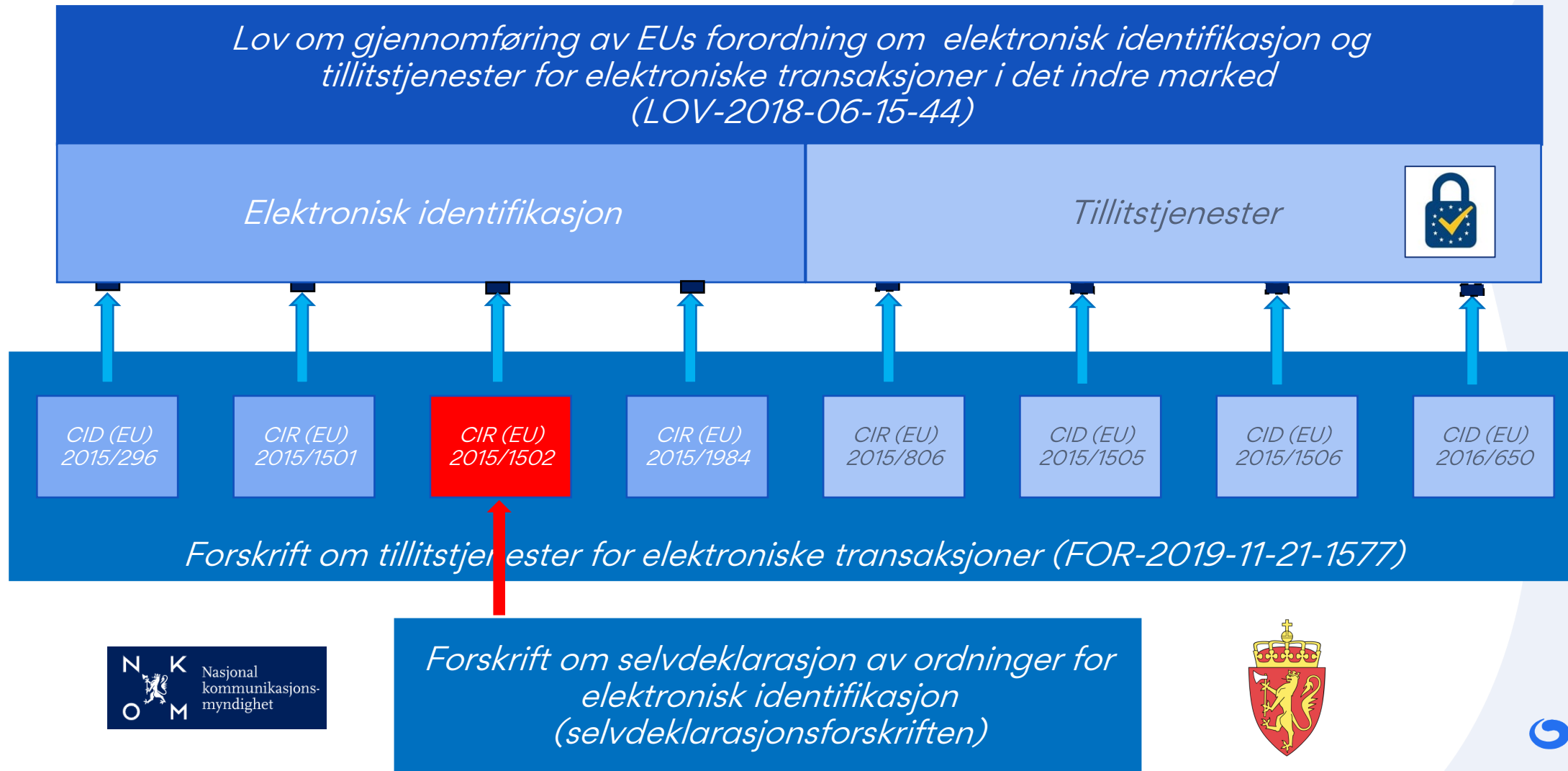
eSeal guarantee both the origin and the integrity of a document.

ENHANCED DOCUMENT TRACKING

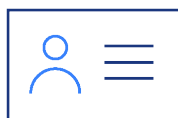
REDUCED COSTS AND TIME THROUGH STREAMLINED PROCESSES

TRUST IN THE ORIGIN OF THE DOCUMENT

# eIDAS-forordningens struktur



# Buypass som eID-tilbyder



eID

## Publisert liste av eID-ordninger

Nedenfor følger en liste over selvdeklarete eID-ordninger med opplysninger om hvilke eID-nivåer som tilbyderne har selvdeklart:

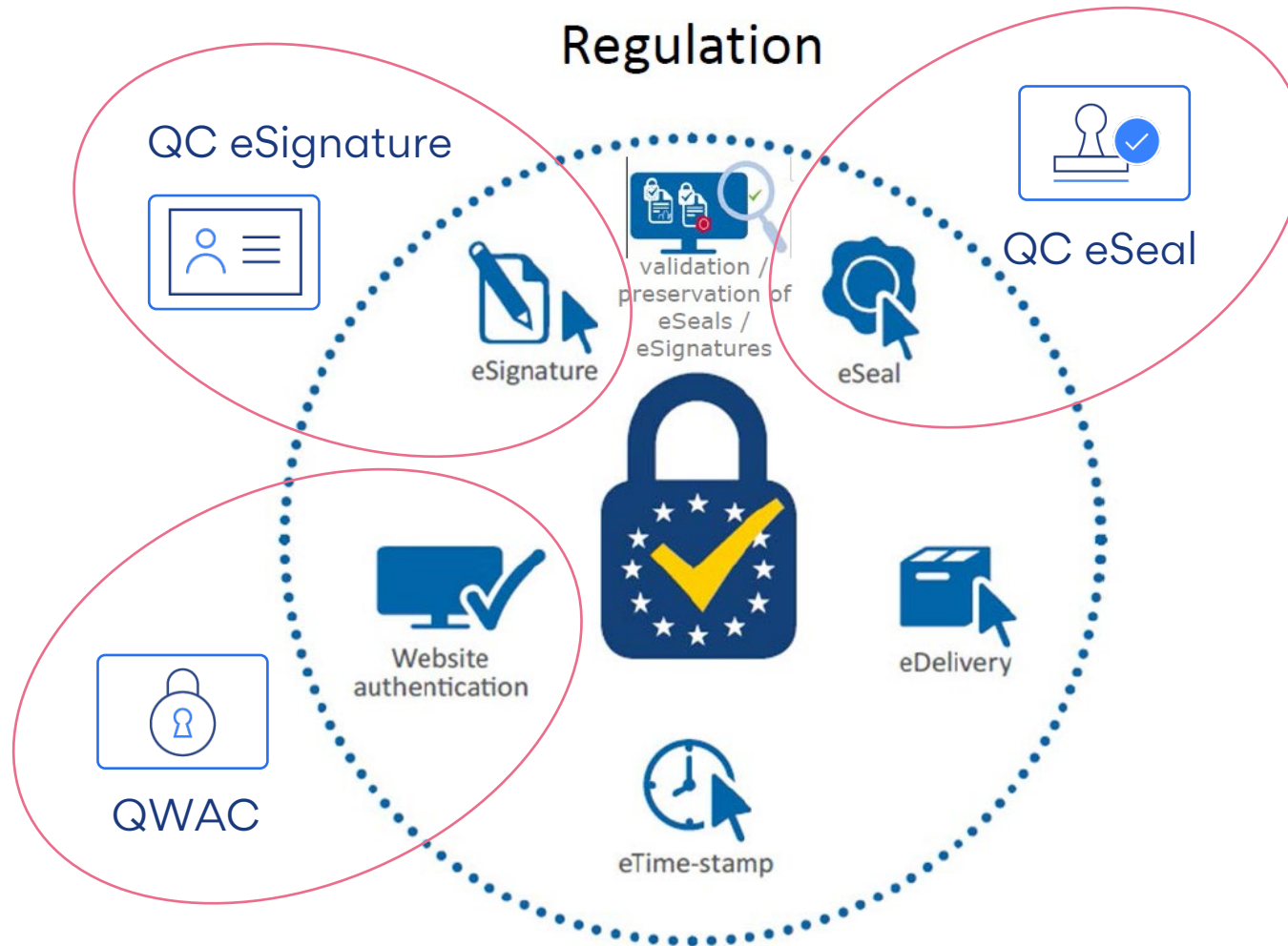
BUYPASS AS

Nettside: <http://www.buypass.no/>

eID	Sikkerhetsnivå	RA
Buypass ID på smartkort	Høyt	
Buypass ID i mobil	Høyt	
Buypass ID FIDO2	Høyt	

# Tillitstjenester under eIDAS

## eIDAS Regulation



Qualified Certificate for  
electronic signature  
(QC eSignature)

Qualified Certificate for  
electronic seal  
(QC eSeal)

Qualified Website  
Authentication Certificate  
(QWAC)


# Buypass som tilbyder av tillitstjenester



European Commission | EU Trust Services Dashboard

DISCOVER BROWSE TRY

CEF eSignature / EU Trust Services Dashboard / Browse / Trusted Lists / Norway / Trust service provider

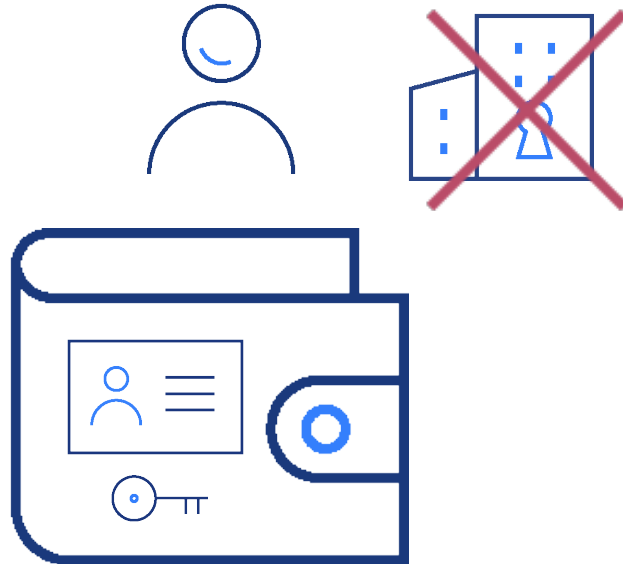
 **Buypass AS**

**Trust services**

- QCert for ESig** Qualified certificate for electronic signature
- QCert for ESeal** Qualified certificate for electronic seal
- QWAC** Qualified certificate for website authentication

Detailed information

# Digital identitetslommebok



- *‘European Digital Identity Wallet’*

- *is a product and service that allows the user to store identity data, credentials and attributes linked to her/his identity, to provide them to relying parties on request and to use them for authentication, online and offline, for a service in accordance with Article 6a; and to create qualified electronic signatures and seals;*

# Digital identitetslommebok



- Sikker autentisering mot online (og offline) tjenester
- Elektronisk identifikasjon (eID) på nivå Høyt
  - Notifisert av medlemslandet
- Bruker skal ha full kontroll på bruk av lommeboken

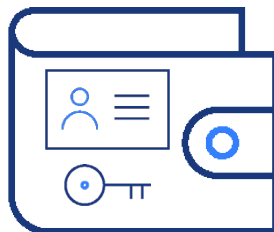
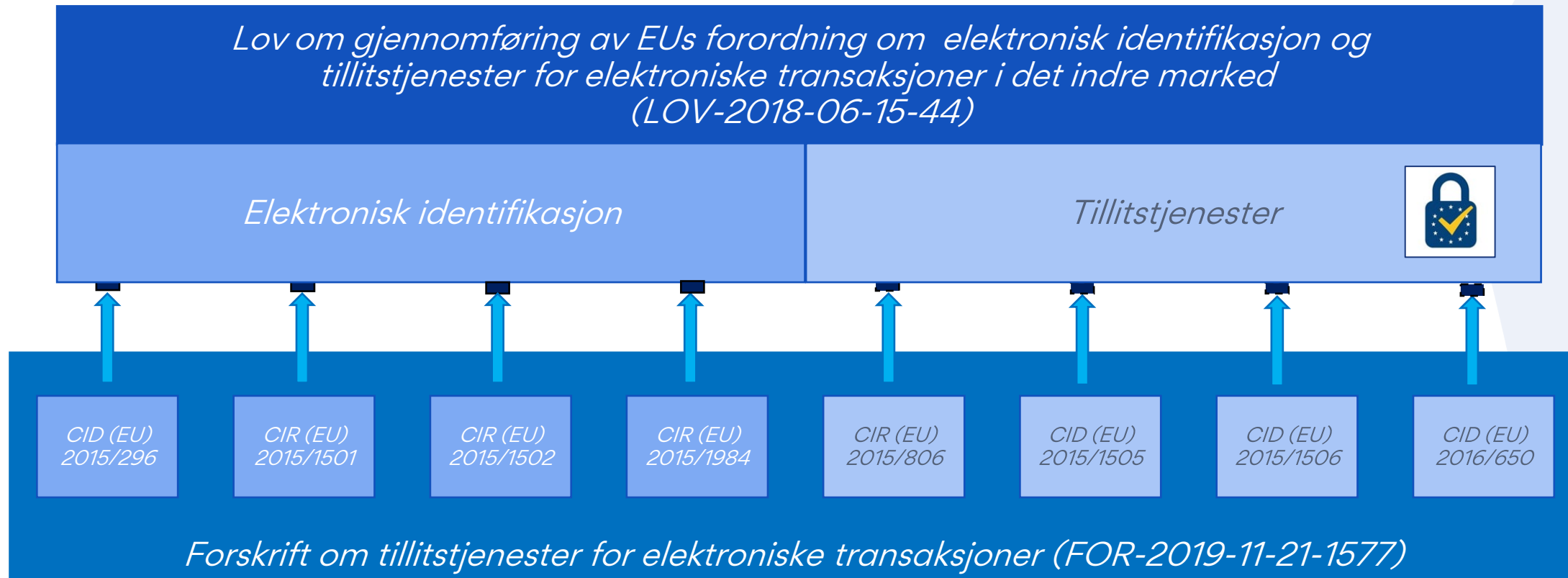
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# eIDAS-forordningens struktur



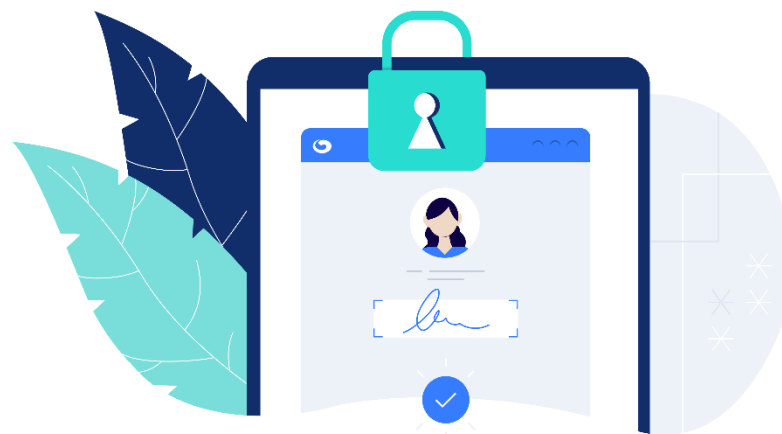
# Digital identitetslommebok

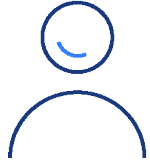


- Signere med en kvalifisert elektronisk signatur
- Skybaserte signeringstjenester vil være svært aktuelle
  - For eksempel *Byypass Cloud Signature Services*

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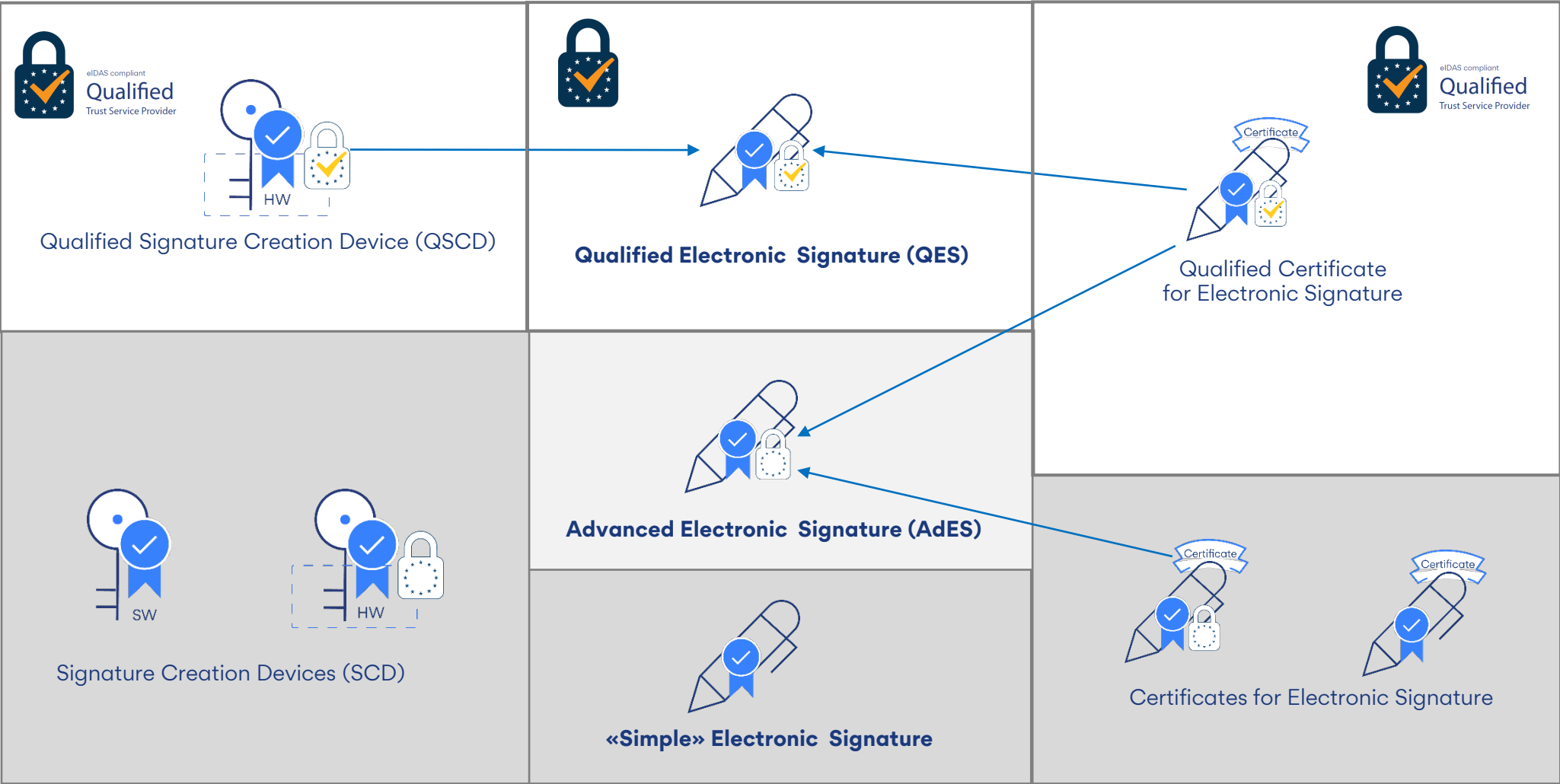


# Electronic signatures

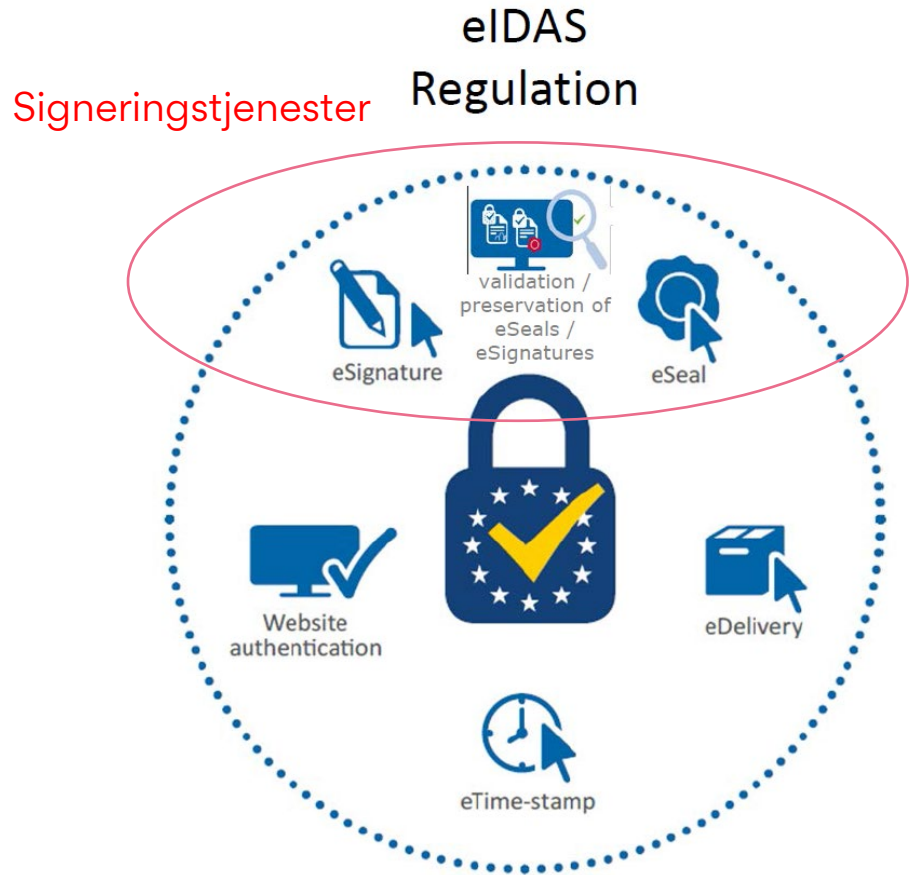
(Q)TSP creating signatures

Types of electronic signatures

(Q)TSP providing certificates



# Tillitstjenester under eIDAS



## • Nye tillitstjenester i eIDAS 2.0

- *Qualified service for the management of remote electronic signature/seal creation devices*
- *Qualified electronic archiving service*
- *Qualified electronic ledger*
- *Qualified Electronic Attestation of Attributes*

# Tillitstjenester under eIDAS

## eIDAS Regulation



## • Nye tillitstjenester i eIDAS 2.0

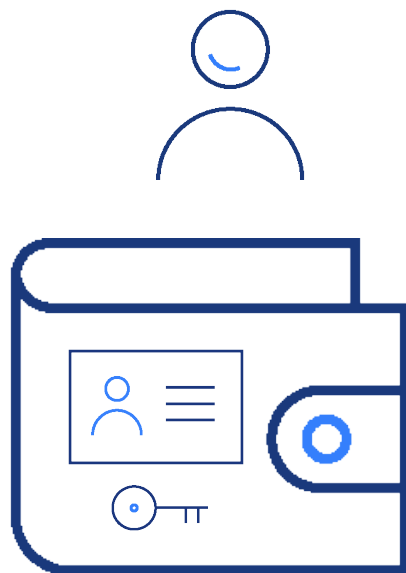
- *Qualified service for the management of remote electronic signature/seal creation devices*
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- *Qualified electronic ledger*
- *Qualified Electronic Attestation of Attributes*

# Elektronisk attesterte attributter

- **Ny tillitstjeneste under eIDAS 2.0**
  - Kan være både kvalifisert og ikke-kvalifisert på samme måte som andre tillitstjenester
  - Tilbydere av (kvalifiserte) tillitstjenester kan ta rollen som utsteder av attesterte attributter
- **En svært viktig og interessant endring**
  - Inspirert av Self-Sovereign Identity og Verifiable Credentials
- **Attributter som er lenket til lommebokens elektroniske identitet**
  - Bruker skal ha full kontroll på hvilke attributter som brukes til hvilket formål
- **Åpner for digitalisering av tjenester på en helt ny måte**

The proposed framework for a European digital identity aims to achieve a shift from the reliance on national digital identity solutions only, to the provision of electronic attestations of attributes valid at European level. Providers of electronic attestations of attributes should benefit from a clear and uniform set of rules, and public administrations should be able to rely on electronic documents in a given format.

# Attesterte attributter - eksempler



-  Personopplysninger (fornavn, etternavn, fnr/dnr)
-  Adresse
-  Alder
-  Vitnemål
-  Førerkort
-  Ansattforhold

# Kvalifisert tillitstjeneste

- *Legal effects of electronic attestation of attributes:*
- *1. An electronic attestation of attributes shall not be denied legal effect and admissibility as evidence in legal proceedings solely on the grounds that it is in electronic form*
- *2. A qualified electronic attestation of attributes shall have the same legal effect as lawfully issued attestations in paper form*
- *3. A qualified electronic attestation of attributes issued in one Member State shall be recognised as a qualified electronic attestation of attributes in any other Member State*



# Kvalifisert tillitstjeneste



eIDAS compliant  
**Qualified**  
Trust Service Provider

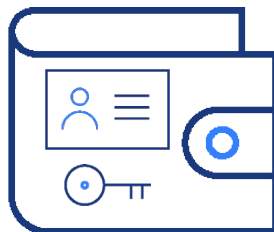
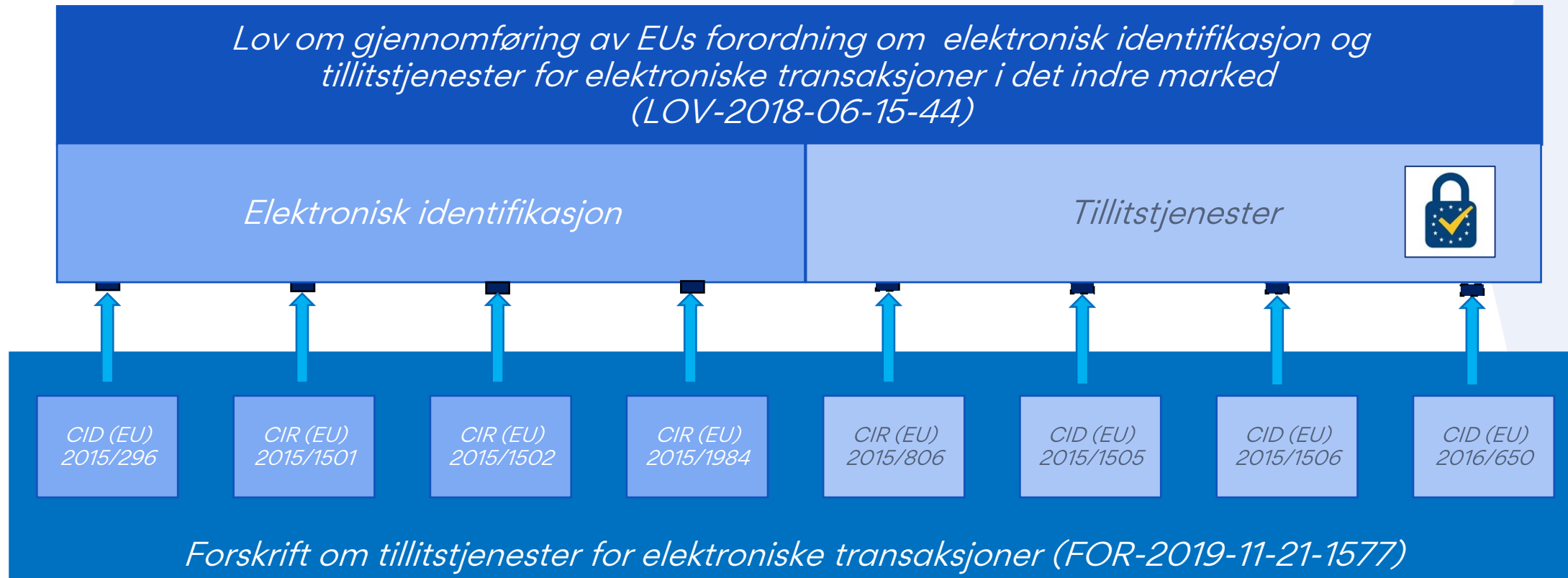


## ANNEX V REQUIREMENTS FOR QUALIFIED ELECTRONIC ATTESTATION OF ATTRIBUTES

Qualified electronic attestation of attributes shall contain:

- (a) an indication, at least in a form suitable for automated processing, that the attestation has been issued as a qualified electronic attestation of attributes;
- (b) a set of data unambiguously representing the qualified trust service provider issuing the qualified electronic attestation of attributes including at least, the Member State in which that provider is established and:
  - for a legal person: the name and, where applicable, registration number as stated in the official records,
  - for a natural person: the person's name;
- (c) a set of data unambiguously representing the entity to which the attested attributes is referring to; if a pseudonym is used, it shall be clearly indicated;
- (d) the attested attribute or attributes, including, where applicable, the information necessary to identify the scope of those attributes;
- (e) details of the beginning and end of the attestation's period of validity;
- (f) the attestation identity code, which must be unique for the qualified trust service provider and if applicable the indication of the scheme of attestations that the attestation of attributes is part of;
- (g) the advanced electronic signature or advanced electronic seal of the issuing qualified trust service provider;
- (h) the location where the certificate supporting the advanced electronic signature or advanced electronic seal referred to in point (f) is available free of charge;
- (i) the information or location of the services that can be used to enquire about the validity status of the qualified attestation.

# eIDAS-forordningens struktur



# Det nye digitale økosystemet

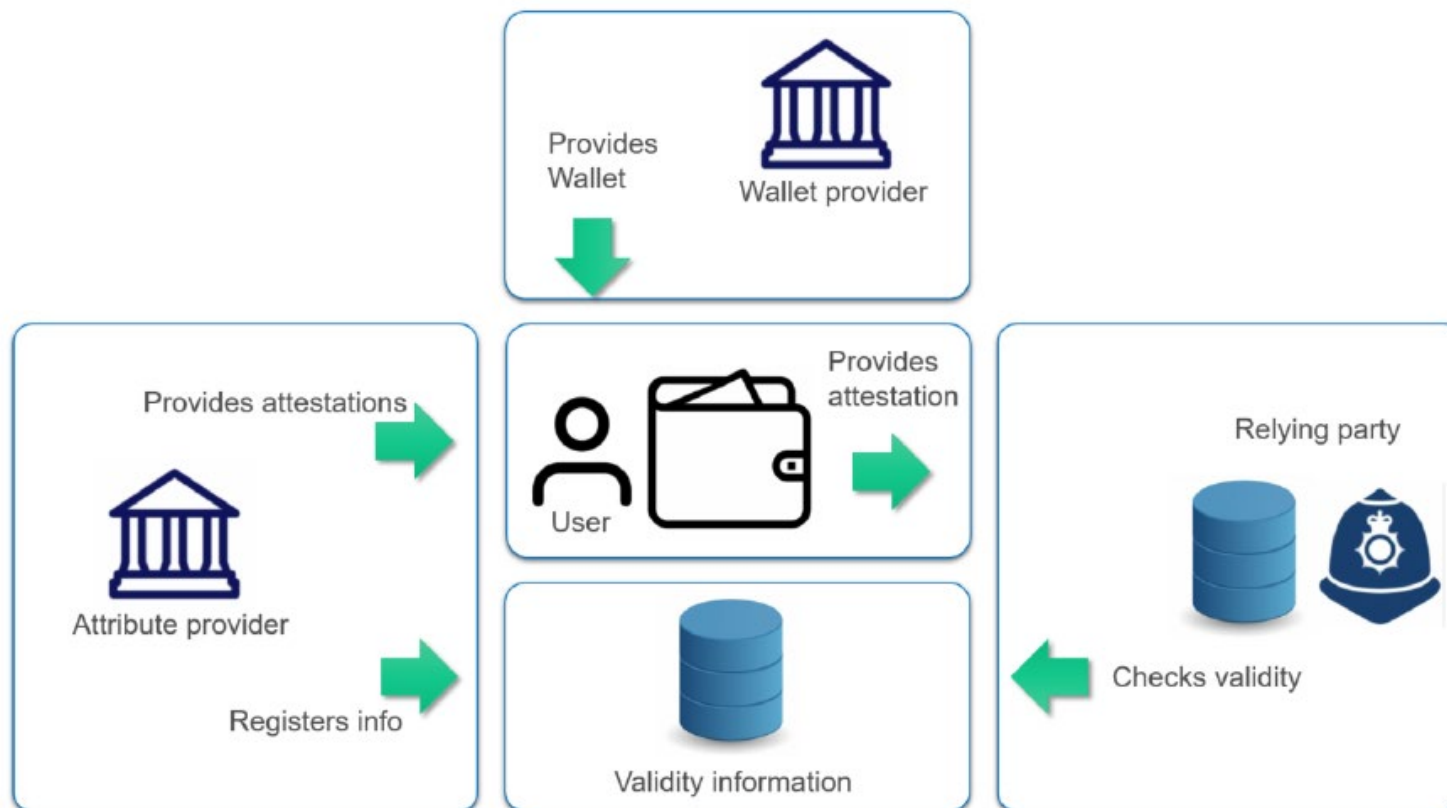


Figure 1 Simplified overview of the European Digital Identity Wallet ecosystem

# Noen definisjoner

- ***‘authentic source’***

- *is a repository or system, held under the responsibility of a public sector body or private entity, that contains attributes about a natural or legal person and is considered to be the primary source of that information or recognised as authentic in national law;*

- ***attribute’***

- *is a feature, characteristic or quality of a natural or legal person or of an entity, in electronic form;*

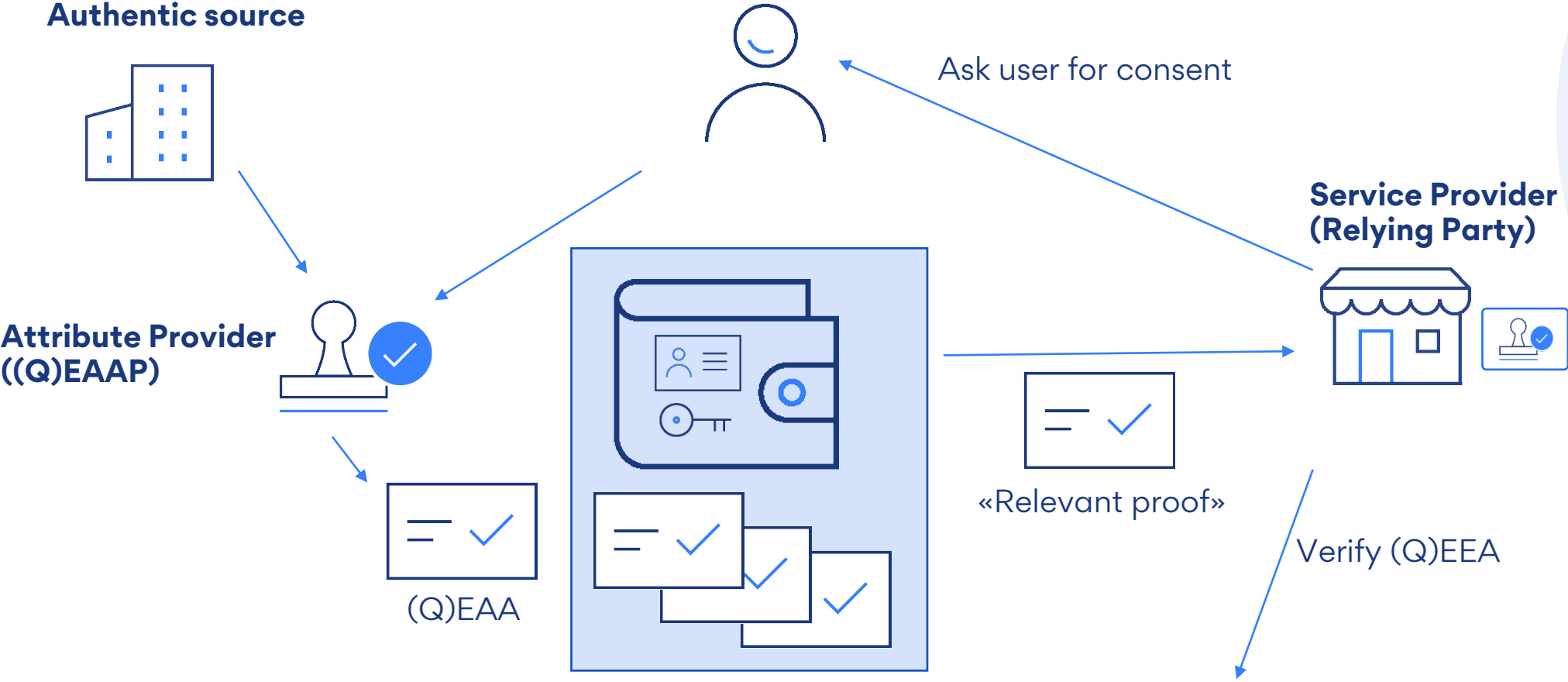
- ***‘electronic attestation of attributes’***

- *means an attestation in electronic form that allows the authentication of attributes;*

- ***‘qualified electronic attestation of attributes’***

- *means an electronic attestation of attributes, which is issued by a qualified trust service provider and meets the requirements laid down in Annex V;*

# Elektronisk attesterte attributter (EAA)



Trusted List of authorities (attribute providers etc)

# Minimum liste av attributter

## ANNEX VI

### MINIMUM LIST OF ATTRIBUTES

Further to Article 45d, Member States shall ensure that measures are taken to allow qualified providers of electronic attestations of attributes to verify by electronic means at the request of the user, the authenticity of the following attributes against the relevant authentic source at national level or via designated intermediaries recognised at national level, in accordance with national or Union law and in cases where these attributes rely on authentic sources within the public sector:

1. Address;
2. Age;
3. Gender;
4. Civil status;
5. Family composition;
6. Nationality;
7. Educational qualifications, titles and licenses;
8. Professional qualifications, titles and licenses;
9. Public permits and licenses;
10. Financial and company data.

# Attesterte attributter

- **Skal dekke sektorspesifikke behov innenfor områder som:**
  - Transport: digitalt førerkort
  - Reise: digitalt reisebevis (pass)
  - Helse: koronasertifikat, digitale resepter
  - Utdanning: vitnemål, studiebevis
  - Arbeidsliv: ansattforhold
  - Familie: familierelasjoner (mor/far)
  - Finans: digitale penger
  - Fritid: billetter til konserter, fotballkamper
- **Her er det bare fantasien som setter begrensinger for bruksområdene**
  - Hvilke «attributter» er nødvendig for tilgang til digitale tjenester du tilbyr?
  - Hva er den autentiske kilden til informasjon om disse?

