

**Finnish Transport and
Communications Agency
(Traficom, ~1000 persons)**

**National Cyber
Security Centre**

**Security
Regulation
(12)**

*eIDAS team
(4)*

TRAFICOM

Finnish Transport and Communications Agency
National Cyber Security Centre

**Welcome to FI
eIDAS Forum**



Agenda

13:00 Introduction/recap, eIDAS trust services in a nutshell

13:10 – 13:40 EU review on eIDAS

13:40 – 14:00 NOBID Trust services survey

14:00 – 14:30 Current status on ETSI standardization activities for trust services

Break

14:45 – 15:45

- Advanced electronic signature in Finland
- Cross-border eID and electronic signing

eIDAS Framework and trust services in a nutshell

Qualified Trust Services

Ex Ante: Conformity assessment, notification, supervisory body approval

Ex post: assessment every 2 years, incident reports



“certification”: EU Trusted List, EU Trust Mark

Legal effect: several articles

Non-qualified Trust Services

Ex ante: -

Ex post: when non-conformity reported to supervisory body

“certification”: prove or validate it yourself

Legal effect: depends on national legislation and court decisions

eIDAS Selection of Qualified trusted services



- ❑ Qualified Electronic Signatures (*QES*)
 - ❑ Qualified certificate for electronic signature
 - ❑ Qualified validation service for qualified electronic signature
 - ❑ Qualified preservation service for qualified electronic signature
- ❑ Qualified Electronic Seals (*eSeal*)
 - ❑ Qualified certificate for electronic seal
 - ❑ Qualified validation service for qualified electronic seal
 - ❑ Qualified preservation service for qualified electronic seal
- ❑ Qualified certificate for website authentication (*QWAC*)
- ❑ Qualified time stamp
- ❑ Qualified electronic registered delivery service (*QERDS*)

eIDAS Selection of Non-Qualified trust services

Similar to Qualified Types

- Certificate for electronic signature
- Certificate for electronic seal
- Certificate for website authentication
- Validation service for electronic signature
- Preservation service for electronic signature
- Validation service for electronic seal
- Preservation service for electronic seal
- Electronic registered delivery service

Non-qualified specific types


- Generation service for electronic signature
- Generation service for electronic seal
- Time stamp service
- Non-regulatory, nationally defined trust service
- Undefined type

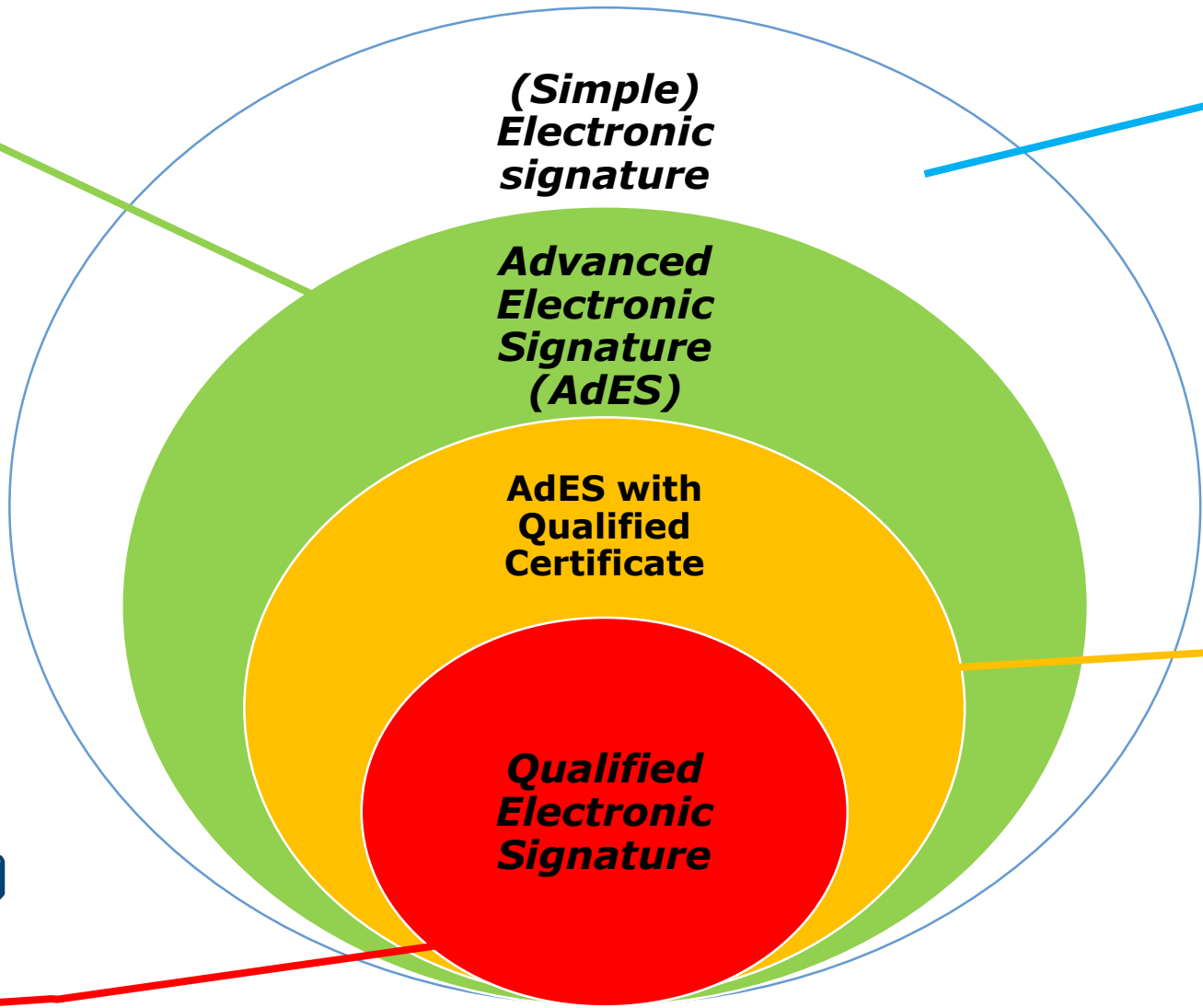
Electronic signatures (and seals) - eIDAS

eIDAS Art 26

- a) uniquely linked to the signatory
- b) capable of identifying the signatory
- c) created using electronic signature creation data that the signatory can, with a high level of confidence, use under his sole control
- d) linked to the data signed therewith in such a way that any subsequent change in the data is detectable

eIDAS Art 3 (12) definition:

- AdES
- based on a **qualified certificate for electronic signature**.  *eIDAS art 28*
- created by a **qualified electronic signature creation device** *eIDAS Art 32*



eIDAS Art 3 (10) definition

data

- in electronic form
- which is attached to or logically associated with other data in electronic form and
- which is used by the signatory to sign

eIDAS Art 27

2. If a Member State requires an

- advanced electronic signature
- based on a **qualified certificate** 

to use an online service

Kiitos!

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eIDAS Frame in a nutshell

Qualified trust services



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