



Benefits of the E-ARK Specifications for Complying with eIDAS for Preservation

Why and how?

Frederik Rosseel

Our Goal: Being The Most Complete and Versatile Digital Archiving solution

- **Flexibility and Agility**
 - Use Cases
 - Volumes
 - Metadata
 - Automated Information Classification
- **Resilience**
 - Security
 - Ownership
- **Governance**
 - Compliance
 - Legal Certainty



Docbyte Certifications



QUALIFIED
TRUST
SERVICE
PROVIDER

COMPLIANT WITH eIDAS

eIDAS 910/2014: Electronic Identification, Authentication and Trust Services



European Commission > Strategy > Shaping Europe's digital future > Policies >

Shaping Europe's digital future

POLICY

Strengthening trust and security



European Commission > Strategy > Shaping Europe's digital future > Policies >

Shaping Europe's digital future

POLICY

Trust Services and Electronic identification (eID)

Belgium: Digital Act (21 July 2016)

- Transposition of eIDAS with the Introduction of Qualified Electronic Archiving
- What about?
 - Long-Term Preservation of documents that contain embedded signature?
 - Authenticity of unsigned data?
- Certification scheme based on eIDAS (EN 319 401, ETSI 119.511-2 and ISO 14641)

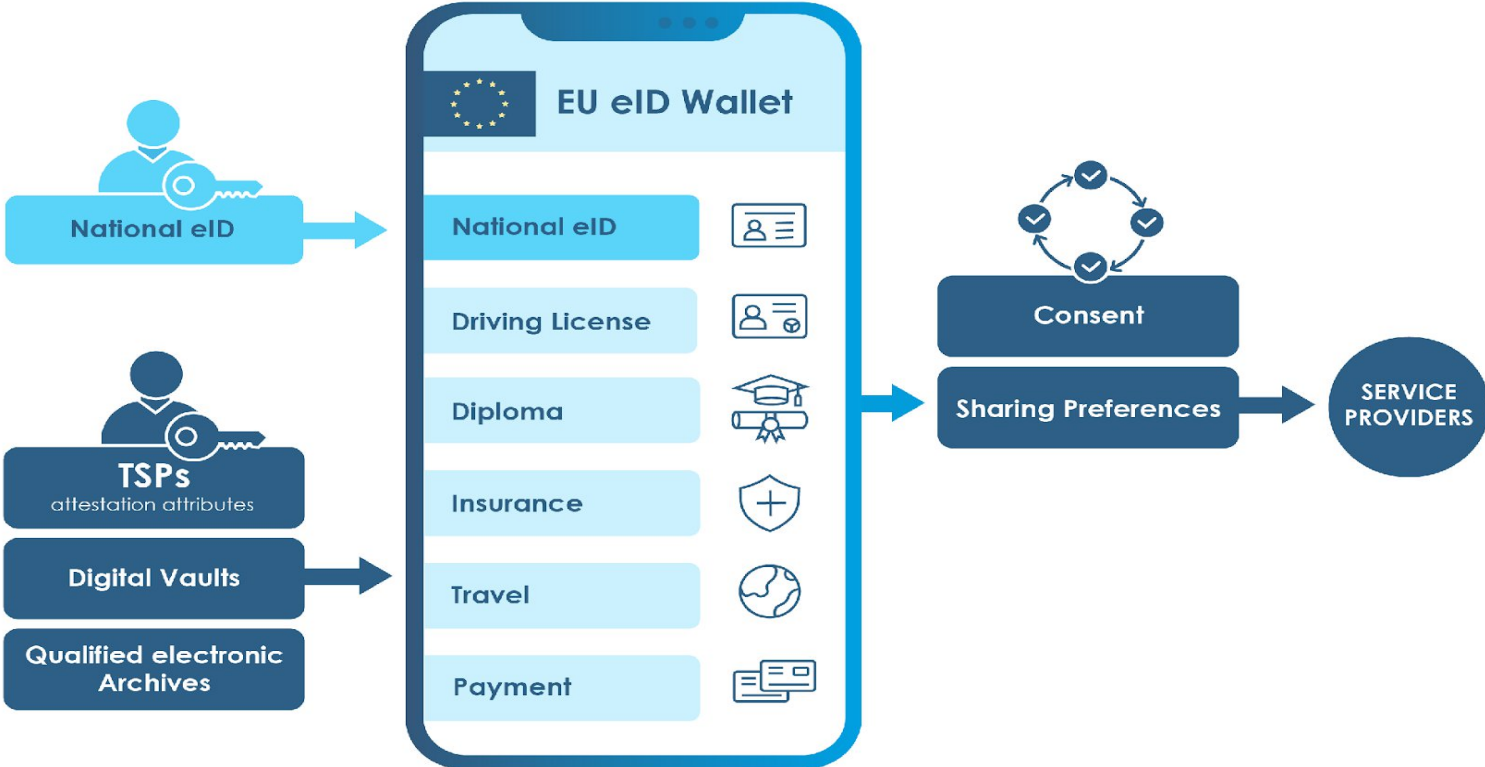
The EUDIR or eIDAS2 (2021)

EU Introduces 'Digital Wallet' to Store Official Documents

The proposal is part of a wider plan by the EU to go more digital and is a key part of its post-COVID-19 recovery package. The bloc has set a target of having all public services in the EU available online by 2030 and ensuring that every EU citizen has a digital medical record.



eIDAS v2



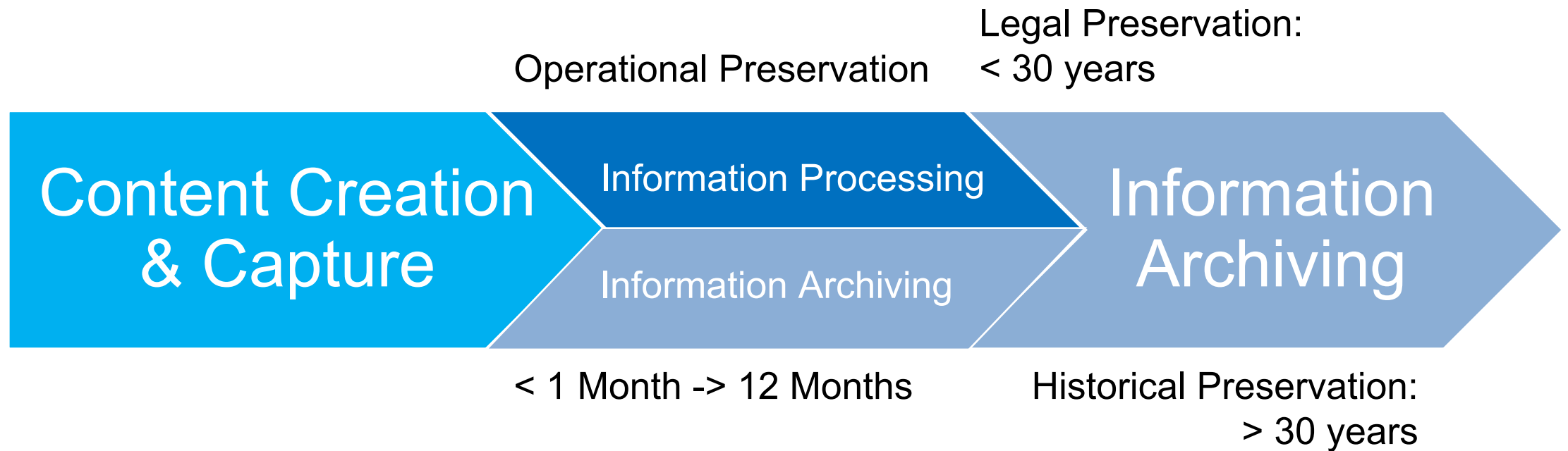
The Digital Identity Regulation Enters into Force.

MAY 21 2024 | 2 MIN READ

The Digital Identity Regulation enters into force.



Archiving by Design

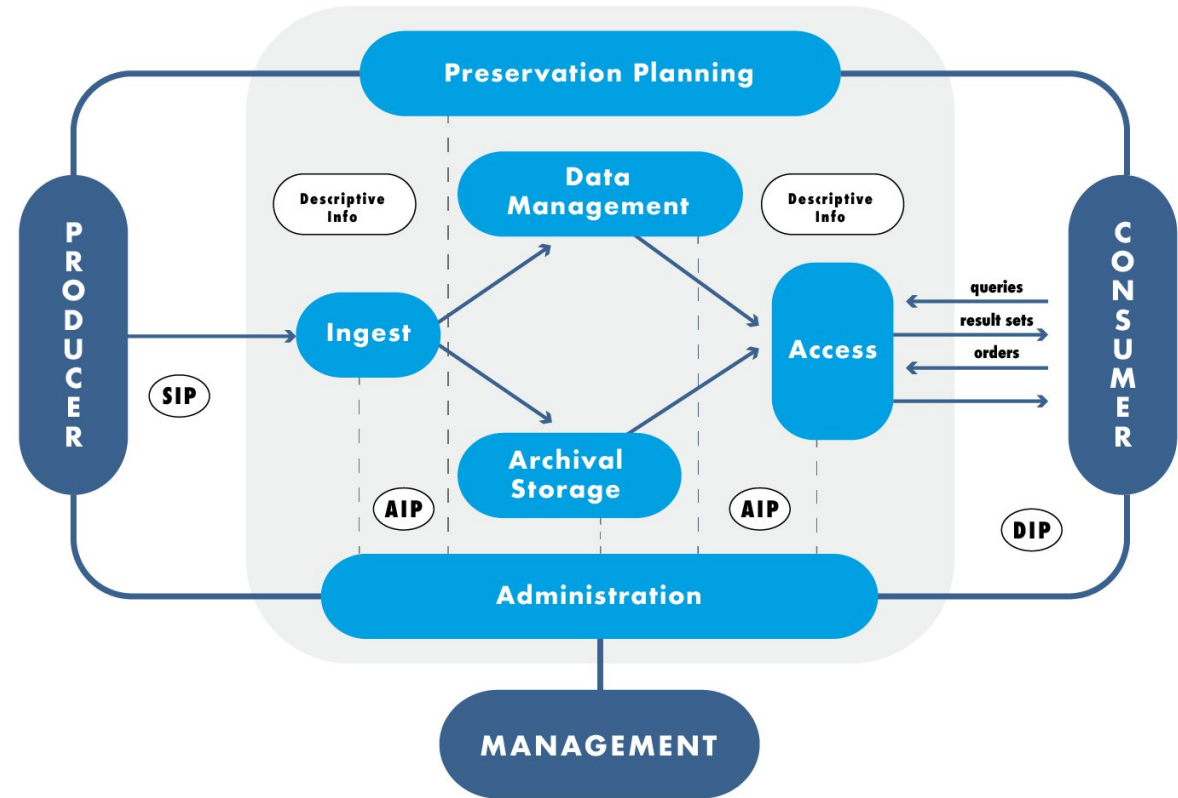


Other eIDAS ambitions

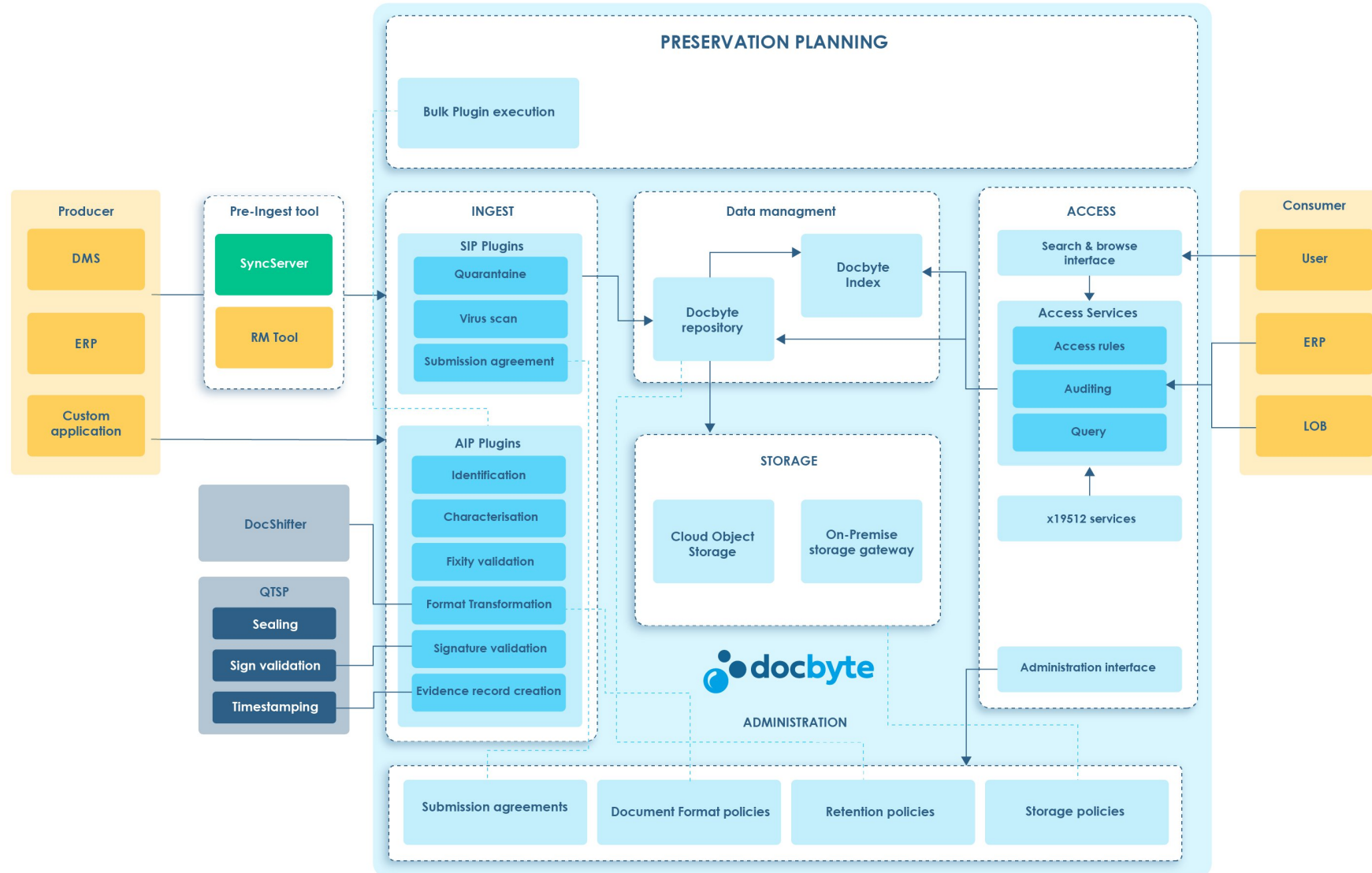
- **Resilience**
 - Cyber Security
 - Exit-strategy
 - No Vendor Lock-In
- **Data Reuse**
 - Accessibility
 - Interoperability
- **Privacy**
 - Data Portability
 - Retention Management
- **Fraud Prevention**
 - Authenticity

Docbyte: Trustworthy Repository

- ISO 14721 / ISO 14641
- Belgian Digital Act
- eIDAS Regulation
- E-ARK Specification 2.04
- ETSI 319.401
- ETSI 119.511 / 119.512



Docbyte Platform



What does the eArchiving project offer?

- Interoperability:
 - SIP and AIP
- Pre-Ingest tools to create SIP
- Reference Architecture

Advantages of using E-ARK SIP & AIP

- **Flexible**
 - Metadata: Support for Multiple Schemes
 - Multiple Representations
- Uses Best Practices
- Open Standards
- **Tooling Available**
 - Package Creation and Validtion

Challenges

- **Map eArk AIP to Docbyte Platform**
 - Advanced Security
 - Retention Management
 - Storage layer
 - System wide audit trail
- **Handling AIP updates**
- **Integrating Evidence Records**

E-ARK AIP

2023	2023	2023
<ul style="list-style-type: none">metadata >METS.xmlrepresentations >schemas >submission >	<ul style="list-style-type: none">descriptive >other >preservation >	<ul style="list-style-type: none">dc.xmlemployemen...ontract.xml

Visualizing E-ARK AIP

BESLUIT GEMEENTERAAD 2021-10-25 Archive > Archive

View Evidences Submissions Plugin reports Permissions History

The document is under retention until May 8, 2034 4:15 PM

Representations

ID	Number of files	Content type	
2021-10-25-Besluit.pdf	1	• application/pdf	

Metadata

Descriptive	Other
	dc.xml
Title:	Besluit gemeenteraad 2021-10-25
Creator:	SyncServer
Expiry date:	2034-05-07T14:15Z
Language:	NL
Source:	Notulen
Subject:	Notulen van de vergadering van de gemeenteraad van 25 oktober 2021 - Goedkeuring
Description:	Goedgekeurd in openbare vergadering van 22 november 2021
Identifier:	2021_GR_00354

Visualizing E-ARK AIP (PREMIS)

BESLUIT GEMEENTERAAD 2018-11-19 Archive > Archive

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← 2018-11-19-Besluit.pdf

1 van 2 Automatisch zoomen

gent: zoveel stad

gemeenteraad
Besluit

OPSCHRIFT

Vergadering van 19 november 2018

Besluit nummer: 2018_GR_00975

Onderwerp:
Notulen van de vergadering van de gemeenteraad van 22 oktober 2018 - Goedkeuring

Beknopte samenvatting:
Aan de gemeenteraad wordt gevraagd zijn goedkeuring te verlenen aan de notulen van de vergadering van de gemeenteraad van 22 oktober 2018.

Bevoegd: Daniel Termont

DE GEMEENTERAAD

AANHEF

De volgende bepalingen zijn van toepassing inzake de bevoegdheid:

- Het Gemeentedecreet van 15 juli 2005, artikel 33.

De beslissing wordt genomen op grond van:

- Het Gemeentedecreet van 15 juli 2005, artikel 180 en artikel 181, § 1;

Metadata

Preservation	Other
premis.xml	
PREMIS Object	
Field	
objectIdentifierType	filepath
objectIdentifierValue	file:///./data/2018-11-19-Besluit.pdf
compositionLevel	0
messageDigestAlgorithm	SHA512
messageDigest	54bb74732bb71141b8c87abc49b6b7fce2cdc79cda0;
size	67876
formatName	Acrobat PDF/A - Portable Document Format
formatVersion	1b
PRONOM	fmt/354
PREMIS Events	
Field	Value

Visualizing E-ARK AIP (eSign)

BESLUIT GEMEENTERAAD 2021-10-25 Archive > Archive

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← 2021-10-25-Besluit.pdf

2 van 2 Automatisch zoomen

Vanfleur of rechtsgeldig elektronisch ondertekend document van 2 b/z op code.esignflow.be met code 0750-0083-5064-5851 en wachtwoord Besame

Elk lid van de vergadering heeft het recht tijdens de vergadering opmerkingen te maken over de redactie van de notulen van de vorige vergadering. Als die opmerkingen worden aangenomen, worden de notulen in die zin aangepast.

Niet-digitale bijlage(n):

Deze notulen zijn te vinden in de interne toepassing eBesluitvorming bij de zitting van de gemeenteraad van 25 oktober 2021 onder 'Publicaties' (link: <https://ebesluitvorming.gentgrp.gent.be/do/agenda/view?id=9440>).

Beslissing
Beslist het volgende:

- Met unanimitéit

Artikel 1:
Keurt de notulen goed van de vergadering van de gemeenteraad van 25 oktober 2021.

Elektronisch ondertekend op 24/11/2021 om 16:16:17 (GMT+01:00) door Mieke Hulebroeck, algemeen directeur Sted en OCMW Gent

Elektronisch ondertekend op 24/11/2021 om 11:47:50 (GMT+01:00) door Christophe Peeters, ondervoorzitter gemeenteraad en raad voor maatschappelijk welzijn

2021_GR_00354 - Notulen van de vergadering van de gemeenteraad van 25 oktober 2021

Preservation Other

< natureReport-2021-10-25-Besluit.pdf-1715264142231.xml >

Validation Policy : QES AdESQC TL based

Validates electronic signatures and indicates whether they are Advanced electronic Signatures (AdES), AdES supported by a Qualified Certificate (AdES/QC) or a Qualified electronic Signature (QES). All certificates and their related chains supporting the signatures are validated against the EU Member State Trusted Lists (this includes signer's certificate and certificates used to validate certificate validity status services - CRLs, OCSP, and time-stamps).

S-BEFF24C84C7E1BC4DB91BC034E9795325D730026FC

Qualification: QESig

Qualification Details :

- The organization name is missing in the trusted certificate!
- The trusted list is not well signed!

Signature format: PDF-NOT-ETSI

If everybody would use E-ARK (combined with ETSI)

- No Vendor Lock-In
- Data Portability
- Interoperability



eArchiving Conformance Seal

Thank you



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