Agenda of the day

ID	TIME	ТОРІС	SPEAKERS	
1.	09:00 - 09:15	Welcome words	Lorena BOIX ALONSO (European Commission)	
2.	09:15 - 09:35	The eIDAS Regulation present and futureeIDAS regulationeIDAS 2.0	Gudrun STOCK (European Commission)	
3.	09:35 – 09:55	Current state of international partnershipsPolicy around the recognition of third countries trust services	Vicente ANDREU NAVARRO (European Commission)	
4.	09:55 – 10:15	 European Commission's Third Countries Trusted Lists Programme Presentation of the pilot in the eIDAS Dashboard 	Apostolos Tolis APLADAS (European Commission)	
5.	10:15 - 10:30	 Trust services in the Republic of Albania Regulatory Framework on trusted services Competences of the supervisory body Registration/Accreditation of QTSP Trust list/ Electronic Identification Scheme International Aspects 	Ermela CEKANI (Albania)	
	10:30 - 10:50	Coffee break		
6.	10:50 - 11:50	Panel discussion	Sylvie LACROIX (Sealed), Viky MANAILA (IntesiGroup), Evgenia NIKOLOUZOU (ENISA)	
7.	11:50 - 12:05	Presentation of the TC AdES LOTL and the UA collaboration	Olivier BARETTE (Nowina Solutions)	
	12:05 - 13:35	Lunch break		\square
8.	13:35 - 13:50	Data Free Flow with Trust – Proof of Concept between Japan and the European Union	Prof. TEZUKA (Japan)	
9.	13:50 - 14:05	Trust services infrastructure in Ukraine	Oleksandr KOZLOV (Ukraine)	
10.	14:05 - 15:50	How the specifications of the TC AdES LOTL and the XML MRA elements work	Olivier BARETTE (Nowina Solutions), Olivier DELOS (Sealed)	λ
	15:50-16:20	Coffee break		$\overset{\wedge}{\square}$
11.	16:20-17:05	Q&A	eIDAS Dashboard team	
12.	17:05-17:15	Closing remarks	Natalia ARISTIMUÑO PÉREZ (European Commission)	
				European

01 02

08 09 10 11 12



Data Free Flow with Trust – Proof of Concept between Japan and the European Union

Prof. TEZUKA

(Japan)

Satoru Tezuka

Satoru Tezuka



Trust services infrastructure in Ukraine



Oleksandr KOZLOV

Senior Expert on eID – EU4Digital UA, e-Governance Academy

Trust services infrastructure in Ukraine



Overall Trust services profile

The file of the Trust List, which contains information about qualified providers of electronic trust services and their electronic trust services, was created in accordance with the provisions of the "Procedure for conducting an experimental project on mutual recognition of electronic trust services between Ukraine and the European Union", approved by the Resolution of the CMU dated 22.10.2022 No. 1311:

• TL information UA (sn7) 2023-05-25 14:21:00 2023-08-25 14:21:00

Trust Service Providers

https://czo.gov.ua/download/tl/TL-UA-EC.xml

the value of the hash function of the TL-UA-EC.xml Trust List file:

https://czo.gov.ua/download/tl/TL-UA-EC.sha2

The central certifying body is the Ministry of Digital Transformation of Ukraine 2023. All rights reserved.

The central certifying body is the Ministry of Digital Transformation of Ukraine 2023. All rights reserved. Important resources: Integrated system of electronic identification Portal Action Platform Action.Centers Guide to public services

Expand all Collapse all

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nportant resources: itegrated system of electronic identification ortal Action latform Action.Centers

Since 2018

Trusted list is used for trust representation in Ukraine ETSI Standards are applicable to <u>UA TSP through national legi</u>slation

Since 2022

New trusted list for international compatibility was established and maintained

26+

TSPs under supervision of the State Service of Special Communication and Connection

Overall Trust services profile

. Trust services - Life of the CSO - Documents - Contacts Monitoring tool



Trust services







Trust list

Register of providers Revoked certificates

Which contains information about qualified electronic trust service providers together with information about the qualified electronic trust services they

The list of qualified providers of electronic trust services, as well as information on self-signed certificates of the electronic seal of the CZE and Qualified public key certificates, the status of which has been changed to blocked, renewed or revoked, have been generated and published by the CCE

Revoked certificates

9M+

Unique users of qualified certificates for eSignature by the end of 2022

14M+

qualified certificates for eSignature generated in 2022

418k+

qualified certificates for eSeals generated in 2022

702M+

OCSP requests for root certificates of QTSPs

10.3B+

qualified time stamps in 2022

Diia app

14 Digital documents 25 Mobile Services

18,7M+

Active Diia users

6M+

Active Diia.Signature users (remote QES)



DAILY NUMBER OF USERS

1 - 2,5M

OPERATING SYSTEMS

8.1M+ ios

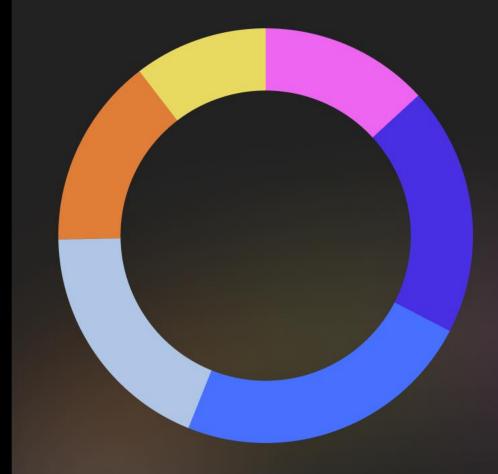
31.3M+

Android

448K+

Proof that state superapp is for everyone

USERS' AGE



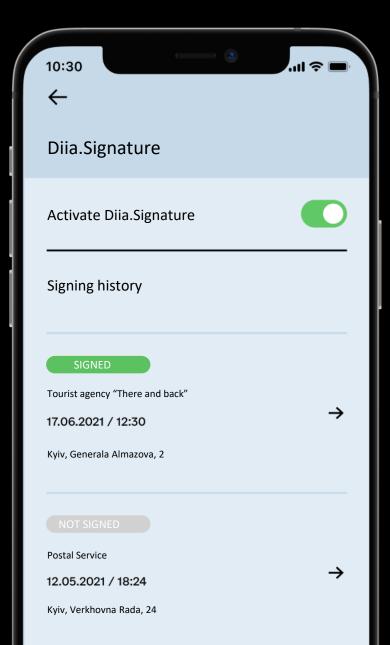
- up to 24 13,23%
- from 25 to 34 19,54%
- from 35 to 44 23,50%
- from 45 to 54 18,62%
- from 55 to 64 14,87%
- 65 years+ 10,24%

Dija.Signature

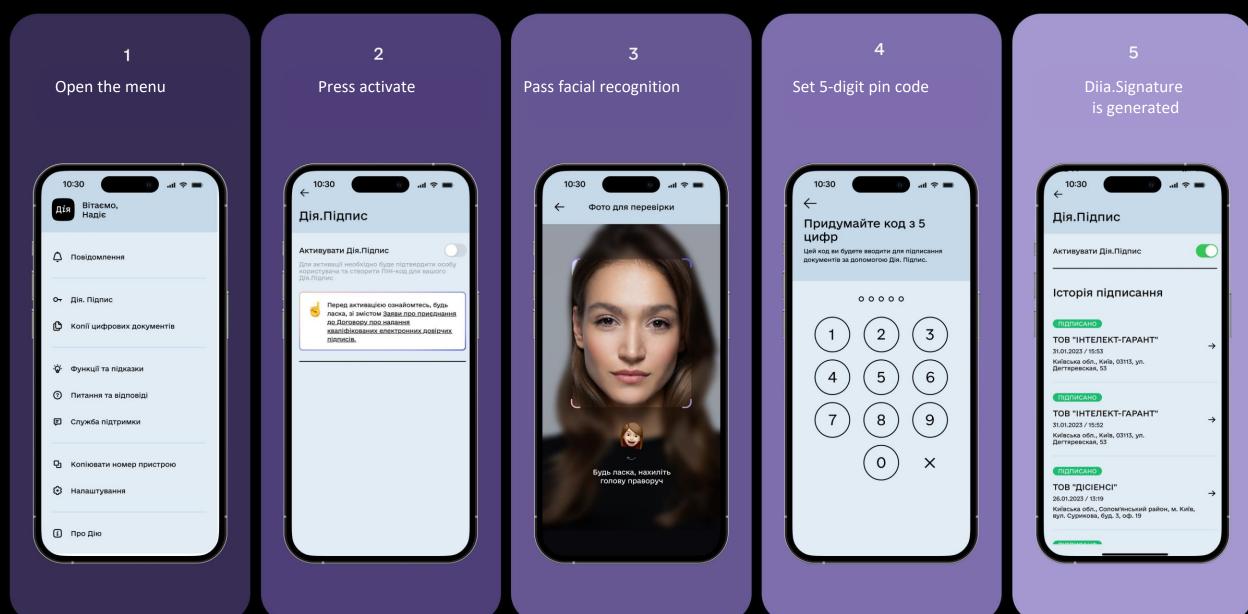
Qualified electronic signature in your smartphone

Sign a document

Authenticate



1 minute to generate Diia.Signature



2017

Law of Ukraine on Trust Services Incorporated basic eIDAS principles in UA

2019

Bilateral Pilot with Estonia and Lithuania Cross-border signature validation tested

MRA with the EU

Road towards mutual recognition of trust services with the EU

2020

Joint Working Plan with the EU Cross-border eSignature validation tested

2021

Self-assessment eIDAS MRA CookBook Extensive legal and technological assessment based on eIDAS Art.14 CheckList

2022

Fine-tuning regulations and infrastructure Law amendments, signature portal update and new Trust List for international cooperation



eSignature pilot with EU completed UA included in the TC AdES LOTL as a first ever third country interoperable with the EU

Legal context: UA regulations

Ukraine has adopted the law on electronic trust services in 2017 which implemented basic rules and principles of eIDAS into Ukrainian legislation.

The extensive amount of secondary legal acts have been adopted during 2018-2019.

In 2020 self assessment was conducted based on eIDAS Article 14 CheckList

The Draft Law by MinDigit was developed to fully implement eIDAS and adopted in the end of 2022.

Table 1: elDAS requirements applicable to QTSP/QTS Common eIDAS requirements applicable to all Specific eIDAS requirements applicable to a specific type of QTS types of QTS Art.5 - Data processing and protection Provision of qualified certificates for electronic signatures: Art.13 - Liability and burden of proof Art. 24.1(a) to (d) Art.15 - Accessibility for persons with disabilities Art.24.2(k) Art.19.1 – Security risk assessment and due diligence Art.24.3 Art.19.2 - Security and personal data breach notification Art.24.4 Art.20 – Supervision of QTSPs Art.28.1 & Annex I. Art.28.(2), Art.28.(3), Art.28.(4), Art.28.(5) Audited at least every 24 months by an elDAS Provision of qualified certificates for electronic seals accredited CAB to confirm eIDAS compliance TSP allows Supervisory Body (SB) and CAB to Art. 24.1(a) to (d) audit its eIDAS compliance Art.24.2(k) o Remedy any failure to meet eIDAS Art.24.3 requirements as instructed by SB Art.24.4 Art.21 - Initiation of a QTS (pre-authorisation) Art.38.1 & Annex III, Art.38.(2), Art.38.(3), Art.38.(4), Art.38.(5) Notification of intention to provide a QTS and initial conformity assessment report Provision of gualified certificates for website authentication: QTSP may begin to provide the QTS after the Art. 24.1(a) to (d) qualified status has been indicated in the Art.24.2(k) trusted list Art.24.3 Art.23 - Correct use of EU trust mark Art.24.2 - Requirements for QTSPs Art.24.4 (a) Inform SB of any change in QTS provisioning and Art.45.1 & Annex IV of intention to cease Qualified validation service for qualified electronic signatures: (b) Requirements on staff: Art.33.1 (c) Financial resources and/or liability insurance; (d) Consumer information: Qualified validation service for gualified electronic seals: (e) Use of trustworthy systems and products; Art.40 (f) Use of trustworthy systems to store data (including personal data): Qualified preservation service for qualified electronic signatures: (g) Appropriate measures against forgery and theft Art.34.1 of data: Qualified preservation service for qualified electronic seals: (h) Recording and accessibility of activities related Art 40 data: (i) Up-to-date termination plan; Provision of qualified time stamps:

The two sheets "P1. Legal - eIDAS benchmarking" and "P1. Legal-UN-EU laws benchmark." of the [MRA checklist] companion document respectively allows applicant 3rd countries to perform a self-assessment of:

Qualified electronic delivery services:

Art.42.1

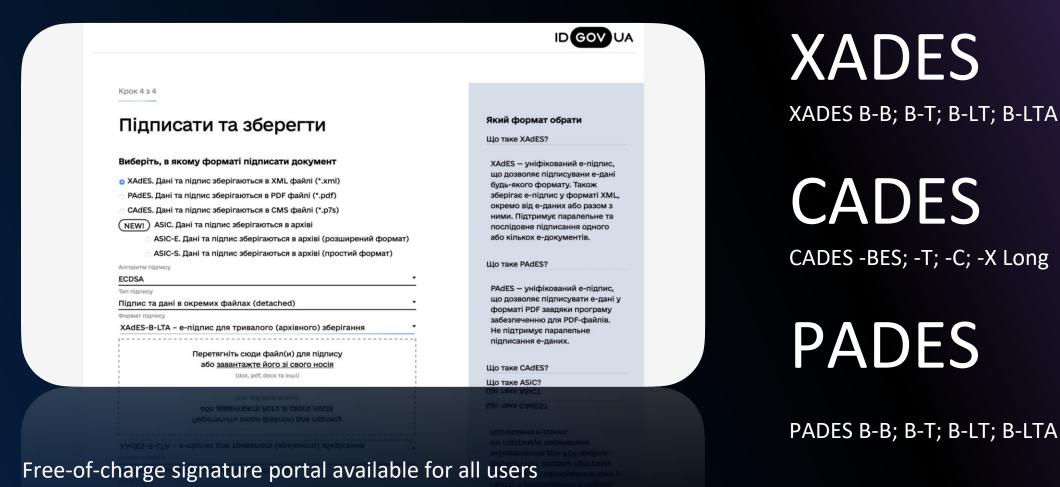
Art.44.1

assessment of:

(j) Lawful processing of personal data.

The two sheets "P1. Legal - eIDAS benchmarking" and "P1. Legal-UN-EU laws benchmark." of the [MRA checklist] companion document respectively allows applicant 3rd countries to perform a self-

Signature formats



ASiC-e

Qualified certificates

Requirements in Ukraine (1/2)

Qualified certificate statement

ETSI defined qualification for third countries with id-etsi-qcs-**QcCClegislation statement**

QTSP information

Legal persons: Name and entity code Natural persons: Full name, ID code, tax ID (there are no TSP as natural persons yet)

🕟 Signatory data

Full name (Name, Surname) ID code (TaxID and/or Demographic register code) +email +place of residence For creator of eSeals **Registered** name Entity code from the Company register +email +location of legal person



Validation data

The value of the public key, which corresponds to the personal key

Qualified certificates

Requirements in Ukraine (2/2)

Certificate identity code

serial number of the qualified certificate for a public key, being unique for the entity that issued the certificate

QTSP information

Legal persons: Name and entity code Natural persons: Full name, ID code, tax ID (there are no TSP as natural persons yet)



12

34

eSignature/eSeal of issuing QTSP

Qualified electronic seal of the issuing QTSP with information on certificate validity status validation



Certificate validity

The starting and expiration date of the validity period of the qualified certificate

QSCD or UA certified "SSCD"



id-etsi-qcs-QcSSCD or specifically defined OID to display that the certificate is under signer's sole control

2023 - UA recognises EU QESs

Підписувачі

ERLICH.MARK

ERLICH MARK

21:46:56 11.11.2022

Тип носія особистого ключа

1C91C0C95D60CCA463046F171A449E51

Серійний номер носія особистого ключа

Сертифікат виданий

EID-SK 2016

Серійний номер

Захишений

RSA Tun ninnucy

Не визначено

Алгоритм підпису

Кваліфікований

Тип контейнера

Формат піллису

Сертифікат Кваліфікований

П.І.Б.

Країна

Естонія

👍 Файл успішно перевірено. Усі дані цілі

Ви можете зберегти підписаний файл.

Файл з підписом test-signature-over-picture.asice

303.9 KE

Файл без підпису test-signature-over-picture-asice

303.9 KE

18.05.2023

Протокол створення та перевірки кваліфікованого електронного підпису від 18.05.2023

кваліфікованого електронного підпису від

test-signature-over-picture_Validation_Report.pdf 303.9 K6



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 $\mathbf{1}$

Як це працює

Електронний підпис є аналогом власноручного підпису та забезпечує достовірність і цілісність інформації, викладеної у документі, а також дає змогу підтвердити цілісність електронного документа та ідентифікувати особу, яка підписала документ.

Що таке файловий носій?

Що таке токен?

Як працює хмарний підпис?

Як працює підпис з ID-карткою?

Як працює Bank ID?

Як працює Дія.Підпис?

ID GOV UA



Як це працює

Електронний підпис є аналогом власноручного підпису та забезпечує достовірність і цілісність інформації, викладеної у документі, а також дає змогу підтвердити цілісність електронного документа та ідентифікувати особу, яка підписала документ.

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Як працює Bank ID?

Як працює Дія.Підпис?

Дія.Підпис?

the uttrac a mathematic

Тип підлику Кваліфікований Тип контейнера Підпис та дані в архіві (розширений) (ASiC-E) Формат підпису З повними даними для перевірки (XAdES-B-LT) Серпефікат Кваліфікований

Підпис та дані в архіві (розширений) (ASiC-E)

3 повними даними для перевірки (XAdES-B-LT)

Час підпису (підтверджено кваліфікованою позначкою часу для підпису від Надавача)

Як працює Дія.Підпис?

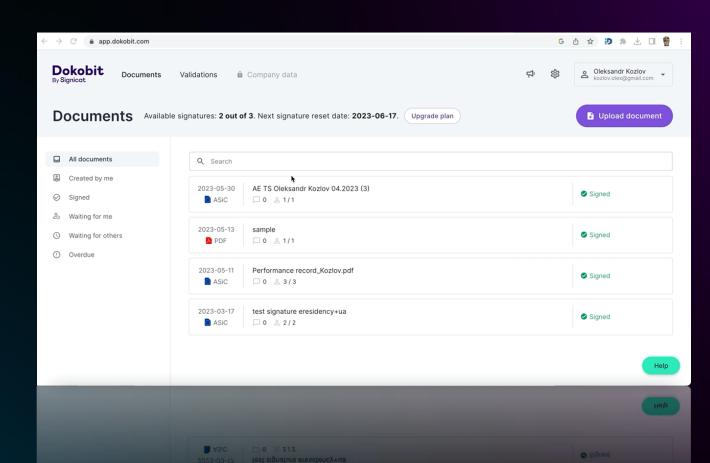
эк працює підпис з ID-карткою?

International recognition pilot with the EC

		European Commission			
		DSS Demonstration WebApp			
Підписати файл за допомогою Електронного підпису → Дія.Підпис - UA → Дія.Підпис - EU (бета-тест) →	+ Як це працює? + Що нового? + Формати підписів?	European Commission > DIGITAL > e-Signature Sign a document Sign a digest Sign a digest Sign with JAdES Sign multiple documents Counter sign a signature Standalone application REST/SOAP WebServices Server side	Validate a Privacy notice: Please transmitted to the infra transmission of data an		
дія.Підпис - UA → Дія.Підпис - EU (бета-тест) →		Signimitryje dicuments Counter sign a signature Standatone opplication REST/SOAP WebServices Serverside	Drights (54(2) Send original file(s) as More options	Bučjana čačini dajta na račjana: • Complete documents • SHA3 • SHA356 • SHA394 • SHA532 Submit Clear:	

Implementation on the EU Qualified validation service for qualified electronic signature





Thank you for attention!



Oleksandr Kozlov

Senior expert on eID eGovernance Academy, EU4DigitalUA Kyiv office <u>oleksandr.kozlov@ega.ee</u>





How the specifications of the TC AdES LOTL and the XML MRA elements work



Olivier BARETTE

Partner – Nowina Solutions



Olivier DELOS

Founder of Sealed

Background: Pilot for the International Compatibility of Trust Services

Collaboration with Ukraine, leading to the creation of the TC AdES LOTL

27

TC AdES LOTL-based Signature Applicability Rules

DSS validation process, and the TC AdES LOTL

International recognition in eIDAS

Recognition of qualified trust services

Article 14

- By means of an Art.218 TFEU (Trade) Agreement
- Recognition of 3rd Country trust service (TC-TS) by 3rd Country trust service provider (TC-TSP) as legally equivalent to EU qualified trust service (EU-QTS) by EU qualified TSP (EU-QTSP)
- Provided
- TC-TS and TC-TSP meet the eIDAS requirements for EU-QTS by EU-QTSP
 - Reciprocity

So far not implemented, i.e.

- no TC-TS/TC-TSP recognised as "qualified" in EU
- no TC-Qualified Esignature (QESig) is recognised as legally equivalent to EU-QESig
- ... but what about TC-QESig recognised as EU-AdESig ?



International recognition in eIDAS

Recognition of advanced electronic signatures

Articles 3(11), 26, 25(1), 27(1)

• No territoriality requirement for advanced electronic signatures (AdESig)

Art.3(11), 26 When TC-(Q)Esig meets the requirements of Art.26,

- Art.25(1)they cannot be denied legal effect and admissibilityas evidence in legal proceedings solely because electronic
or not EU-QESig, and
- Art.27(1)if they comply with standards listed in CID (EU)2015/1506, Member State public sector online services
requiring an AdESig shall recognise them irrespectively
from where they originate



Recognition of qualified trust services

eIDAS 1.0

(Art.14)

- nonEU TSP/TS must meet eIDAS QTSP/QTS requirements
- Reciprocity
- Trade agreement

- Provision of QC for eSignatures
- Provision of QC for eSeals QESeal = ^{Data integrity} & Proof of data origin
- Provision of QC for website auth
- Qualified validation of QESig
- Qualified validation of QESeal
- Qualified preservation of QESig
- Qualified preservation of QESeal
- Provision of qualified time stamps
- Qualified electronic registered delivery services
- Trustworthy assurance of long term evidentiary value of QESig/QESeal

E QTSP

- Presumption of the accuracy of the date & time and integrity of the time stamped data
- presumption of integrity of the registered data, the sending of that data by the identified sender, its receipt by the identified addressee and the accuracy of date &time of sending and receipt



eIDAS 2.0 (Art.14)

- Trade agreement or Implementing Act/Decision
- nonEU TSP/TS must meet eIDAS QTSP/QTS requirements
- Reciprocity

+ Trusted list (MRA cookbook)

Above 9 QTSs + potentially

- Provision of Qualified electronic attestations of attributes
- Qualified electronic archiving
- Qualified electronic ledgers
- Qualified service for the management of remote qualified electronic signature/seal creation devices



Recognition of qualified trust services

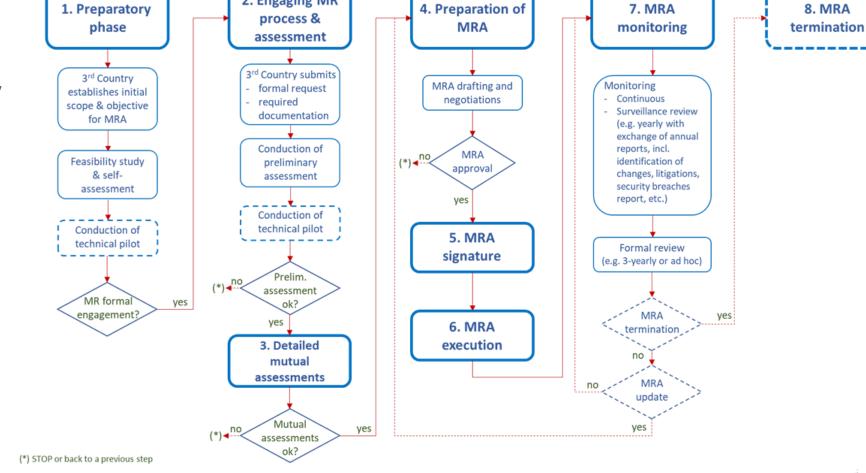
 Art.14 Mutual recognition agreement (MRA) can be a long journey

A typical eIDAS Art.14 MRA life-cycle process flow

Note on steps 4 & 5: it is up to Council to

decide if/when formal negotiations should

be opened for conclusion of a MRA



2. Engaging MR

EC provides guidance & technical pilot tools to assist TCs in the preparatory phase (1)



Recognition of qualified trust services

- EC provides guidance & technical pilot tools to assist 3rd countries
- Assessment on four pillars (Legal, Supervision & auditing, Technical, Trusted List)
- Website on Pilot CEF eSig BB international compatibility https://eidas.ec.europa.eu/efda/home/#/screen/international



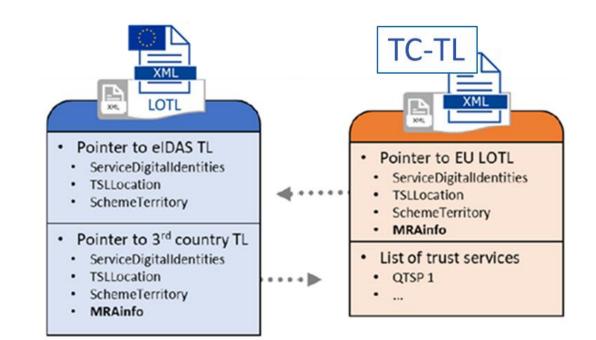
Updated TL Browser



Recognition of qualified trust services

Once Art.14 MRA is signed

- EU-LOTL
 - To include a pointer to towards the TC-TL
 - Which pointer includes an MRA-Info element declaring which TC-TS type is recognised equivalent to which EU-QTS type to facilitate validation of the TC-TS outputs as equivalent to the EU ones, with full history
- TC-TL
 - To include a pointer to towards the EU-LOTL
 - Which pointer includes an MRA-Info element declaring which EU-QTS type is equivalent to which TC-TS type to facilitate validation of the EU-QTS outputs as equivalent to the TC ones, with full history





Recognition of advanced electronic signatures

- No territoriality requirement for eSignatures to be valid EU-AdESig
- COM aims to facilitate the recognition of TC electronic signatures as AdESig by Art.27 Member States public online services
- TC-AdES-LOTL
 - Aims to facilitate the validation and recognition of TC-QESig (*) as meeting the requirements of EU-AdESig by recognising TC-Qualified Certificates for eSignatures issued by TC-QTSP as a means to support valid EU-AdESig under certain conditions

(*) As far as they meet EU-QESig similar requirements

- TC-AdES configuration mode of DSS
 - Validation of TC electronic signatures as meeting the requirements of EU-AdESig based on the TC-AdES-LOTL under certain validation assumptions



Recognition of advanced electronic signatures

• TC-AdES-LOTL – Conditions for pointing to a TC-TL

- TC to establish, maintain and publish a TL with constitutive (or assimilated) value with regards to the listing of TC-QTSP and the TC-QTS they provide
- TC-QTSP and the TC-QTS they provide to meet similar when not equivalent requirements than those applying to EU-QTSP and EU-QTS
 - Based on TC self-assessment using the MRA-Cookbook
- TL compliant with ETSI TS 119 612 and MRA-Cookbook requirements
 - E.g. clearly identifies the type of TC-QTS issuing TC-QC_for_eSig
- TC-QC_for_eSig meet ETSI TS 319 412 part 2 and part 5, in particular include:
 - QcCompliance, QcType and QcCClegislation statements declaring they are TC-QC_for_eSig
 - Either QcSSCD (EU QSCD) or specific CP OID (TC-TL confirmed) declaring use of TC-QSCD meeting similar requirements applicable to EU-QSCD
- TC-AdES-LOTL include pointer to TC-TL with MRA-info element based on above rules
- [option] TC-TL to point to the production EU-LOTL with/without MRA-info



Recognition of advanced electronic signatures

- TC-AdES configuration mode of DSS validation assumptions
 - Validation of TC electronic signatures based on TC-AdES-LOTL in order to be technical able to reasonably consider them as EU-AdESig
 - Validation based on:
 - The content of the TC signing certificate (i.e. its certificate profile);
 - Supported / confirmed by the content of the TC TL;
 - EU signatures formats (CID 2015/1506 and newer baselines) and EU-recognized signatures algorithms (from SOG-IS); and
 - Following eIDAS Art.32 requirements, as implemented by ETSI TS 119 172-4 (relying on ETSI EN 319 102-1 and ETSI TS 119 615), mutatis mutandis

... not targeting TC-QESig validation rules as applicable in TC

but validating TC eSig for being "as close as possible" to EU-QESig, with the application of EU QESig validation rules, mutatis mutandis, to ensure they meet EU-AdESig requirements



Background: Pilot for the International Compatibility of Trust Services

Collaboration with Ukraine, leading to the creation of the TC AdES LOTL

TC AdES LOTL-based Signature Applicability Rules

DSS validation process, and the TC AdES LOTL



Introduction to eIDAS QES

What is an eIDAS QES? (1/2)

Article 3(12) of eIDAS states:

Qualified electronic signature (QES) means an advanced electronic signature (AdES) that is:

- 1) created by a qualified electronic signature creation device (QSCD), and which is
- 2) based on a **qualified certificate**
- 3) for **electronic signatures**;

Annex I (a) and (j) of the eIDAS Regulation on "Requirements for qualified certificates for electronic signatures" states that information (1), (2) and (3) shall be **present in the certificate**.

Then, CID 2015/1505 refers to **ETSI standardized Object Identifiers (OIDs) as a medium of choice for containing information** (1), (2) and (3) in a machine-processable manner in the certificate.

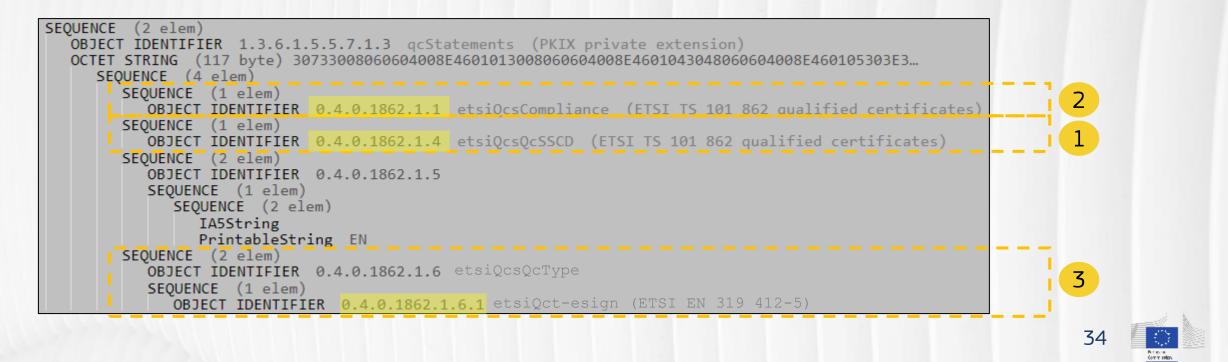
Article 32 of eIDAS sets requirements regarding the process for the validation of qualified electronic signatures.

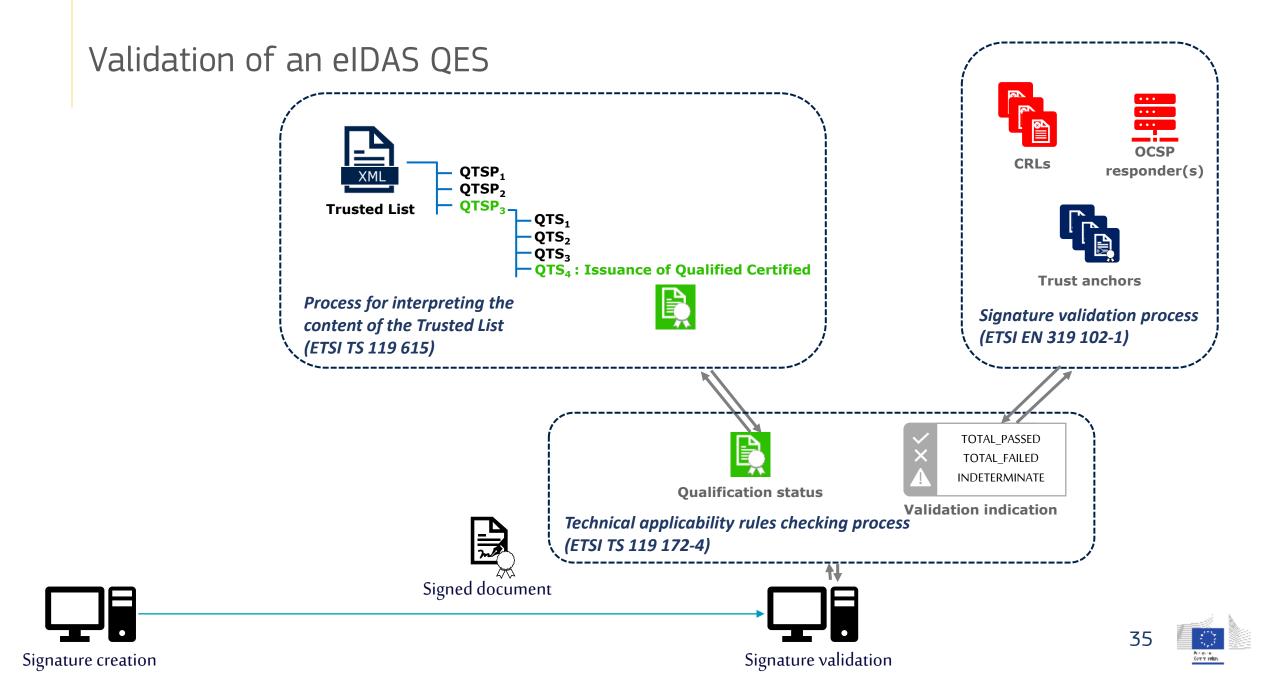
Introduction to eIDAS QES

What is an eIDAS QES? (2/2)

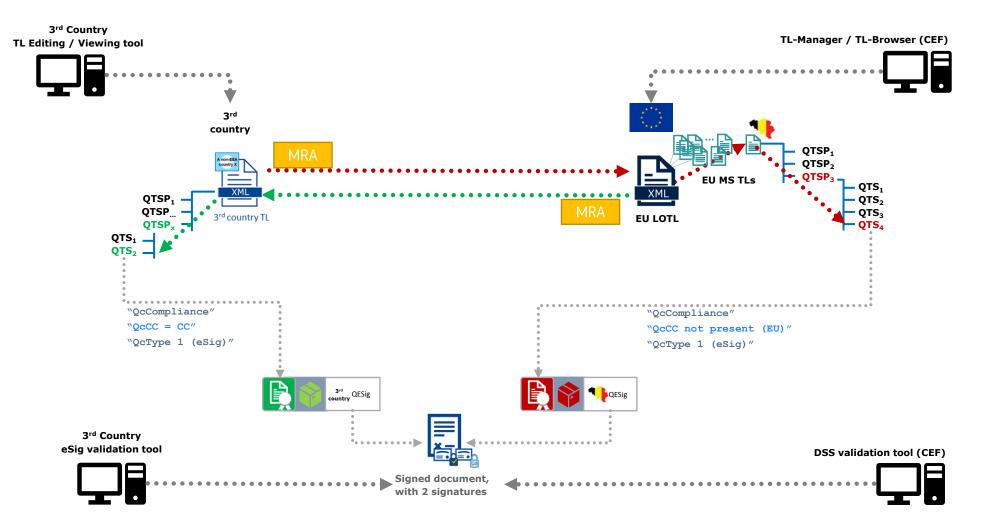
When opening a certificate used to create an ETSI/eIDAS-compliant QES with an ASN.1 Decoder (<u>http://lapo.it/</u>), one can observe that the QES has been:

- 1) created by a qualified electronic signature creation device (QSCD) 0.4.0.1862.1.4, and which is
- 2) based on a qualified certificate 0.4.0.1862.1.1
- 3) for electronic signatures 0.4.0.1862.1.6.1 (under 0.4.0.1862.1.6);



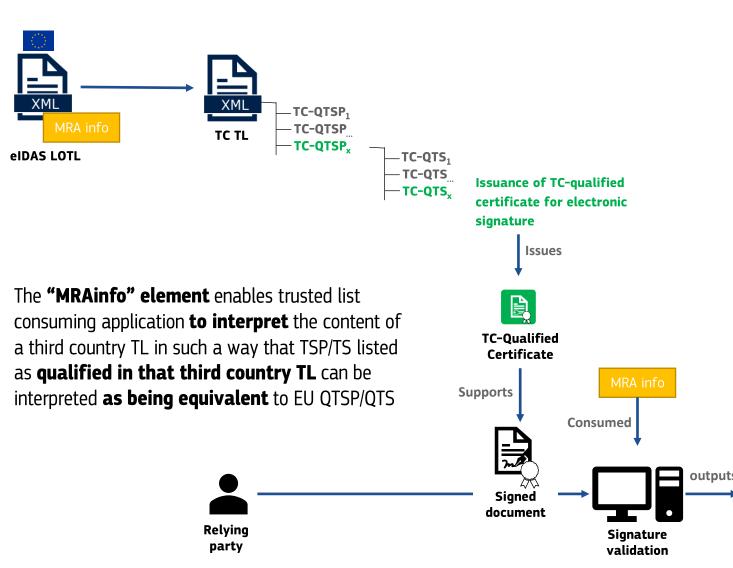


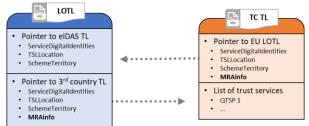
Article 14 of eIDAS: Recognition of qualified trust services





Article 14 of eIDAS: Recognition of qualified trust services





Signature S- 1C0B617512F1856E	1C0B617512F1856E2623CBD14344EB1DC62D6282CE46F9C1DF4372BE9DD4F25A				
Qualification:	QESig 🗿				
Qualification Details :	•	The trusted list validation is supported by an enacted trust service equivalence mapping, in the context of Article 14 of Regulation (EU) No 910/2014.			
Signature format:	PAdES-BAS	ELINE-B			
Indication:	TOTAL_PAS	SSED			
Certificate Chain:	:	Solution JobZZ eTrust QC for eSignatures CA			
On claimed time:	2023-05-10	14:44:26 (UTC)			
Best signature time:	2023-05-10	14:44:44 (UTC) <i>1</i>			
Signature position:	3 out of 3				
Signature scope: Full PDF (FULL) The document ByteRange : [0, 90867, 128757, 1132]					

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<pre><dul> </dul></pre>	MRA-enabled TL
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Program Commission

Illustration based on a prospective EU LOTL

MutualRecognitionAgreementInformation element as an additional information included to the OtherTSLPointer element of the "Pointers to other TSLs".

This MRA Info element contains a sequence of TrustServiceEquivalenceInformation element.

- <othertslpointer></othertslpointer>						
+ <servicedigitalidentities></servicedigitalidentities>						
- <tsllocation></tsllocation>						
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- <additionalinformation></additionalinformation>						
+ <otherinformation></otherinformation>						
- <otherinformation></otherinformation>						
<schemeterritory>ZZ</schemeterritory>						
+ <otherinformation></otherinformation>						
+ <otherinformation></otherinformation>						
+ <otherinformation></otherinformation>						
-Other Information-						
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- <mmaxtunetcomicaequivalanceinformation></mmaxtunetcomicaequivalanceinformation>						
<mra:trustservicelegalidentifier>QCForESig</mra:trustservicelegalidentifier>						
- <mra:trustservicetsltypeequivalencelist></mra:trustservicetsltypeequivalencelist>						
- <mra:trustservicetsltypelistpointingparty></mra:trustservicetsltypelistpointingparty>						
- <mra:trustservicetsltype></mra:trustservicetsltype>						
<servicetypeidentifier>http://uri.etsi.org/TrstSvc/Svctype/CA</servicetypeidentifier>	A/QC					
- <additionalserviceinformation></additionalserviceinformation>			1.			
- <uri xml:lang="en"></uri>	natures d		215 N			
http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSign	natures		AND			
		501	21111111			

Trust Service Equivalence Information

That contain information about the equivalence mapping :

TrustServiceLegalIdentifier

TrustService**TSLType**EquivalenceList

TrustService**TSLStatus**EquivalenceList

TrustService**TSLQualificationExtension**Equivalen ceList

CertificateContentReferencesEquivalenceList

TrustServiceEquivalenceStatus

TrustServiceEquivalenceStatus**StartingTime**

TrustServiceEquivalence**History**

-< Other TSLPointer> +<ServiceDigitalIdentities></ServiceDigitalIdentities> -<TSLLocation> https://eidas.ec.europa.eu/efda/intl-pilot/api/v1/intl-pilot/tl/mra tl zz.xml </TSLLocation> -<AdditionalInformation> +<OtherInformation></OtherInformation> -<OtherInformation> <SchemeTerritory>ZZ</SchemeTerritory> </OtherInformation> +<OtherInformation></OtherInformation> +<OtherInformation></OtherInformation> +<OtherInformation></OtherInformation> -<OtherInformation> -<mra:MutualRecognitionAgreementInformation MRADepth="1" pointedContractingPart - <mra:TrustServiceEquivalenceInformation> <mra:TrustServiceLegalIdentifier>QCForESig</mra:TrustServiceLegalIdentifier> -<mra:TrustServiceTSLTypeEquivalenceList> -<mra:TrustServiceTSLTypeListPointingParty> -<mra:TrustServiceTSLType> <ServiceTypeIdentifier>http://uri.etsi.org/TrstSvc/Svctype/CA/QC</ServiceTypeI -<AdditionalServiceInformation> -<URI xml:lang="en"> http://uri.etsi.org/TrstSvc/TrustedList/SvcInfoExt/ForeSignatures $\langle URI \rangle$ </AdditionalServiceInformation> </mra:TrustServiceTSLType> </mra:TrustServiceTSLTypeListPointingParty> -<mra:TrustServiceTSLTypeListPointedParty> -<mra:TrustServiceTSLType> -<ServiceTypeIdentifier> http://zz-trusted-list.go.zz/TrstSvc/Svctype/CA/QC/for-eSig </ServiceTypeIdentifier> 41 </mra:TrustServiceTSLType>

</mra:TrustServiceTSLTypeListPointedParty>

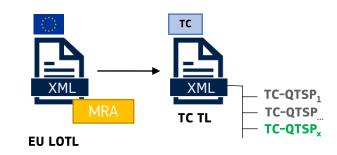
Equivalences between information in the Pointing Party and information in the Pointed Party

TrustService**TSLType**EquivalenceList

• Identifies the type of TC-QTS, and the corresponding EU QTS

 ${\tt CertificateContent} {\tt ReferencesEquivalenceList}$

- Identifies QcCompliance, QcType and QcCClegislation or equivalent statements
- Either QcSSCD (EU QSCD) or specific CP OID (TC-TL confirmed) statement, declaring use of TC-QSCD meeting similar requirements applicable to EU-QSCD



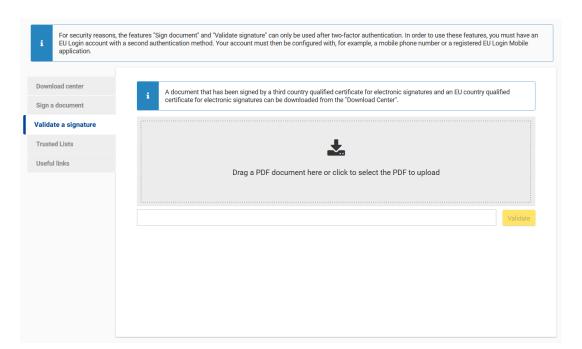


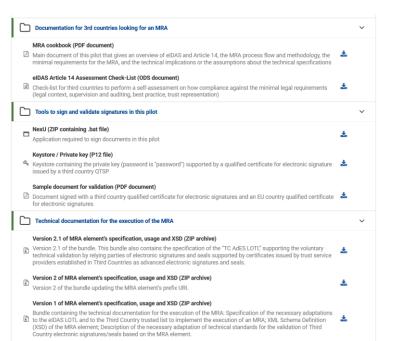


Tools being made available

- DSS supports the MRA element starting from v5.11
- A DSS library-based web demo to validate signatures / certificates (from EU and from the 3rd country)
 - Test material
 - Documentation

https://eidas.ec.europa.eu/efda/intl-pilot/#/screen/home/demo







COFFEE BREAK

14:40 - 14:50