

ASSRECO

DATA SYSTEMS

# *Обновление положения UE 910/2014 по электронной идентификации и услугам доверия (eIDAS 2.0) – шансы и риски связанные с новыми услугами*

**Alla Stoliarowa-Мус (Алла Столярова-Мыц)** –  
руководитель проектов,

**Marcin Szulga (Марцин Шульга)** – директор по R&D,

**CERTUM** – поставщик доверенных сервисов,  
Польша



14-16 сентября 2021 года,

## План презентации

1. О Asseco Data Systems и CERTUM
2. Выводы после пересмотра использования eIDAS на рынке ЕС
3. Планируемый перечень некоторых изменений
4. Новые услуги доверия
5. Идентификация

# О Asseco Data Systems и CERTUM ...

# Asseco Group – коротко

Создана в Польше в 1991 году



Provider of  
proprietary  
software  
and services

Provider of  
IT infrastructure  
and IT security  
solutions

The  
largest  
IT company  
in CEE

Federation  
of companies,  
owned and/or  
controlled by  
Asseco Poland

6<sup>th</sup>

largest software  
vendor in Europe

1,1

mEUR market  
capitalization

1,8

bEUR sales  
revenue in 2016

176

mEUR EBIT in  
2016

22 300

employees in the  
world

# CERTUM – Trust & Security in the Cloud

Providing Trust & Security Services  
23 years  
on the European Market

Technical & Operational Infrastructure  
in Europe

Compliance with  
European standards  
& EU GDPR & EIDAS  
& WebTrust

20 million  
of issued certificates

1 000 000 000  
Time stamp

400+  
partners around  
the world

C E R T U M

<https://www.eid.as/fileadmin/eidas-tsp-map/#/>

## QUALIFIED TRUST SERVICES

210  All

172  CA

eSignatures  eSeals

Website

110  TSA

12  PresS

18  EDS

15  ValS

eSignatures  eSeals

Status

Granted

Countries

AT, BE, BG, CY, CZ, ...

SEARCH



## TRUST SERVICE PROVIDERS

	Eika Gruppen AS		
	SpareBank 1 Banksamarbeidet DA		
	Signicat AS		
	Unizeto Technologies S.A.		
	Polish Security Printing Works		
	Krajowa Izba Rozliczeniowa S.A.		
	ENIGMA Systemy Ochrony Informacji Sp. z o.o.		
	F... Sp. z o.o.		
	<b>Asseco Data Systems SA</b>		
	CGEP - Centro de Gestão da Rede Informática do Governo		
	Instituto dos Registos e do Notariado I.P.		
	MULTICERT - Serviços de Certificação Electrónica S.A.		
	DigitalSign - Certificadora Digital		
	ACIN iCloud Solutions, Lda		
	AMA - AGÊNCIA PARA A MODERNIZAÇÃO ADMINISTRATIVA I.P.		
	Trans Snerf SRI		

Выводы - 6 лет после принятия  
положения eIDAS .



## eIDAS 1.0

### Положение eIDAS

Официальный журнал Европейского Союза от 23 июля 2014 г. содержит опубликованное Постановление Европейского Парламента и Совета (ЕС) № 910/2014

по электронной идентификации и услугам доверия в отношении электронных транзакций на внутреннем рынке и **отменяющее Директиву 1999/93/ ЕС** (так называемое Положение eIDAS [eIDAS]).

**Дата публикации eIDAS:** → 2014-08-28

**Дата вступления в жизнь:** → 2014-09-17

**Дата начала действия:** → **2016-07-01**

**Дата отмены Директивы 1999/93/ ЕС:** → **2016-07-01**



## eIDAS 1.0 Новые требования рынка:

- положение применялось прежде всего к субъектам госадминистрации и самоуправлений,
- небольшие возможности и большие сложности частных поставщиков интернет-услуг использования и присоединения к таким услугам,
- доступность зарегистрированных решений электронной идентификации в странах ЕС не удовлетворяет требованиям,
- относительно электронной идентификации малая поддержка для многих и различных случаев использования,
- с другой стороны, электронная идентификация принадлежащая общественным порталам и финансовым субъектам вызывает опасения относительно безопасности данных, в том числе и персональных,
- все вышеуказанные виды электронной идентификации не всегда отвечают новым требованиям рынка, часто не имеют трансграничного масштаба, в особенности для отраслей, где идентификация есть уязвимым пунктом и требует высшего уровня уверенности.

6 лет  
2014 → 2021

## eIDAS 1.0 Новые требования рынка:

- к 2030 **80% граждан** должны получать доступ к главным услугам сектора администрации пользуясь электронной идентификацией,
- отсутствие электронных атрибутов, например, дипломов, подтверждений специализации специалистов в электронном виде не даёт возможности юридического признания на общеевропейском уровне,
- услуги доверия, определенные в eIDAS, оказались эффективными, получили распространение при большинстве услуг, отмечено небольшое распространение QWAC,
- необходимость 3 новых квалифицированных услуг доверия: электронное архивирование, электронные книги/регистры, услуга управления удаленной подписью.

# Планируемый перечень некоторых изменений положения eIDAS

eIDAS 1.0 → eIDAS 2.0

eIDAS 2.0



6 лет  
2014 → 2021

Brussels, 3.6.2021  
COM(2021) 281 final  
2021/0136 (COD)

Proposal for a

**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
**amending Regulation (EU) No 910/2014 as regards establishing a framework for a**  
**European Digital Identity**

{SEC(2021) 228 final} - {SWD(2021) 124 final} - {SWD(2021) 125 final}

Chapter I – General provisions	Chapter I – General provisions
Chapter II – Electronic Identification	Chapter II – Electronic Identification <ul style="list-style-type: none"> <li>• Section I Electronic identification (European Digital Identity Wallet)</li> <li>• Section II Electronic Identification schemes</li> <li>• Section III Cross-border reliance on electronic identification means</li> </ul>
Chapter III – Trust Services	Chapter III – Trust Services
<ul style="list-style-type: none"> <li>• Section 1 General provisions</li> <li>• Section 2 Supervision</li> <li>• Section 3 Qualified Trust Services</li> <li>• Section 4 Electronic Signatures</li> <li>• Section 5 Electronic Seals</li> <li>• Section 6 Electronic time stamps</li> <li>• Section 7 Electronic registered delivery services</li> <li>• Section 8 Website authentication</li> </ul>	<ul style="list-style-type: none"> <li>• Section 1 - Section 8</li> <li>• Section 9 Electronic attestations of attributes</li> <li>• Section 10 Qualified electronic archiving services</li> <li>• Section 11 Electronic ledgers</li> </ul>
Chapter IV – Electronic documents	Chapters IV, V, VI, ANNEX I- ANNEX IV
Chapter V – Delegations of powers and implementing provisions	ANNEX V – Requirements for Electronic Attestations of Attributes
Chapter VI – Final provision	ANNEX VI – Minimum List of Attributes
ANNEX I - REQUIREMENTS FOR QUALIFIED CERTIFICATES FOR ELECTRONIC SIGNATURES	
ANNEX II - REQUIREMENTS FOR QUALIFIED ELECTRONIC SIGNATURE CREATION DEVICES	
ANNEX III - REQUIREMENTS FOR QUALIFIED CERTIFICATES FOR ELECTRONIC SEALS	
ANNEX IV - REQUIREMENTS FOR QUALIFIED CERTIFICATES FOR WEBSITE AUTHENTICATION	

**6 лет**  
**2014 → 2021**

eIDAS 1.0

## Article 28

Qualified certificates for electronic signatures

6. **The Commission may**, by means of implementing acts, establish reference numbers of standards for qualified certificates for electronic signature. Compliance with the requirements laid down in Annex I shall be presumed where a qualified certificate for electronic signature meets those standards. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 48(2).

Article 31 Publication of a list of certified qualified electronic signature creation devices

Article 32 Requirements for the validation of qualified electronic signatures

Article 34 Qualified preservation service for qualified electronic signatures

Article 37 Electronic seals in public services

Article 38 Qualified certificates for electronic seals

Article 44 Requirements for qualified electronic registered delivery services

Article 45 Requirements for qualified certificates for website authentication

eIDAS 2.0

In Article 28, paragraph 6 is replaced by the following:

**Within 12 months after** the entry into force of this Regulation, the Commission shall, by means of implementing acts, establish reference numbers of standards for qualified certificates for electronic signature. Compliance with the requirements laid down in Annex I shall be presumed where a qualified certificate for electronic signature meets those standards. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 48(2).;

In Article 31, paragraph 3 is replaced by the following:

'3. Within 12 months .....

3. Within 12 months ...

3. Within 12 months ....

4. Within 12 months ...

6. Within 12 months ...

2. Within 12 months of the entering into force .....

3. With in 12 months

## eIDAS 1.0

### Article 30

#### **Certification of qualified electronic signature creation devices**

1. Qualified electronic signature creation devices shall meet the requirements laid down in Annex II

.....

3. The certification referred to in paragraph 1 shall be based on one of the following:

(a) a security evaluation process carried out in accordance with one of the standards for the security assessment of information technology products included in the list established in accordance with the second subparagraph; or .....

## eIDAS 2.0

In Article 30, the following paragraph 3a is inserted:

‘3a. The certification referred to in paragraph 1 shall **be valid for 5 years**, conditional upon a **regular 2 year** vulnerabilities assessment. Where vulnerabilities are identified and not remedied, the certification **shall be withdrawn.**’;



eIDAS 1.0

Article 29

**Requirements for qualified electronic signature creation devices**

eIDAS 2.0

In Article 29, the following new paragraph 1a is added:

‘1a. **Generating,** managing and duplicating electronic signature creation data on behalf of the signatory may only be done by a qualified trust service provider providing a qualified trust service for the management of a remote electronic qualified signature creation device.’;

‘**Article 29a /Article 39a (seal)**

**Requirements for a qualified service for the management of remote electronic signature creation devices**

1. The management of remote qualified electronic signature creation devices as a qualified service may only be carried out by a qualified trust service provider that:

(a) Generates or manages electronic signature creation data on behalf of the signatory;  
(b) notwithstanding point (1)(d) of Annex II, duplicates the electronic signature creation data only for back-up purposes provided the following requirements are met:

the security of the duplicated datasets must be at the same level as for the original datasets;  
the number of duplicated datasets shall not exceed the minimum needed to ensure continuity of the service.

(c) complies with any requirements identified in the certification report of the specific remote qualified signature creation device issued pursuant to Article 30.

**2. Within 12 months** of the entering into force of this Regulation, the Commission shall, by means of implementing acts, establish technical specifications and reference numbers of standards for the purposes of paragraph 1.’;

eIDAS 1.0	eIDAS 2.0
-----	<b>Article 45a</b> <b>Legal effects of electronic attestation of attributes</b> 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.
-----	<b>Article 45b</b> <b>Electronic attestation of attributes in public services</b>
-----	<b>Article 45c</b> <b>Requirements for qualified attestation of attributes</b> .... <b>Within 6 months</b> ....
-----	<b>Article 45d</b> <b>Verification of attributes against authentic sources</b>
-----	<b>Article 45e</b> <b>Issuing of electronic attestation of attributes to the European Digital Identity Wallets</b>
-----	<b>Article 45f</b> <b>Additional rules for the provision of electronic attestation of attributes services</b> Providers of qualified and non-qualified electronic attestation of attributes services....

eIDAS 1.0

eIDAS 2.0

**Article 45g**  
**Qualified electronic archiving services**

Within **12 months** after the entry

**Article 45h**  
**Legal effects of electronic ledgers**

**Article 45i**  
**Requirements for qualified electronic ledgers**

....

3. The Commission **may**, by means of implementing acts, establish reference numbers of standards

eIDAS 1.0

## Article 51

### Transitional measures

1. Secure signature creation devices of which the conformity has been determined in accordance with Article 3(4) of Directive 1999/93/EC shall be considered as qualified electronic signature creation devices under this Regulation.
2. Qualified certificates issued to natural persons under Directive 1999/93/EC shall be considered as qualified certificates for electronic signatures under this Regulation until they expire.

eIDAS 2.0

Article 51 is replaced by the following:

## 'Article 51

### Transitional measures

1. Secure signature creation devices of which the conformity has been determined in accordance with Article 3(4) of Directive 1999/93/EC shall continue to be considered as qualified electronic signature creation devices under this Regulation until [date – OJ please insert period of four years following the entry into force of this Regulation].
2. Qualified certificates issued to natural persons under Directive 1999/93/EC shall continue to be considered as qualified certificates for electronic signatures under this Regulation until [date – PO please insert a period of four years following the entry into force of this Regulation].'

eIDAS 1.0

-----

-----

## Article 14 **International aspects**

1. Trust services provided by trust service providers established in a third country shall be recognised as legally equivalent to qualified trust services provided by qualified trust service providers established in the Union where the trust services originating from the third country are recognised under an agreement concluded between the Union and the third country in question or an international organisation in accordance with Article 218 TFEU. EN L 257/92 Official Journal of the European Union 28.8.2014
2. Agreements referred to in paragraph 1 shall ensure, in particular, that:

eIDAS 2.0

Article 12b **Cross-border reliance on European Digital Identity Wallets**

*Article 12c Mutual recognition of other electronic identification means*

## Article 14 **International aspects**

1. The Commission may adopt implementing acts, in accordance with Article 48(2), setting out the conditions under which the requirements of a third country applicable to the trust service providers established in its territory and to the trust services they provide can be considered equivalent to the requirements applicable to qualified trust service providers established in the Union and to the qualified trust services they provide.
2. Where the Commission has adopted an implementing act pursuant to paragraph 1 or concluded an international agreement on the mutual recognition of trust services in accordance with Article 218 of the Treaty, trust services provided by providers established in the third country concerned shall be considered equivalent to qualified trust services provided by qualified trust service providers established in the Union.’;

eIDAS 1.0	eIDAS 2.0
<p><b>Article 13 Liability and burden of proof</b></p> <p>1. Without prejudice to paragraph 2, trust service providers shall be liable for damage caused intentionally or negligently to any natural or legal person due to a failure to comply with the obligations under this Regulation.</p> <p>The burden of proving intention or negligence of a non-qualified trust service provider shall lie with the natural or legal person claiming the damage referred to in the first subparagraph. ....</p>	<p>In Article 13, paragraph 1 is replaced by the following:</p> <p>‘1. Notwithstanding paragraph 2 of this Article, trust service providers shall be liable for damage caused intentionally or negligently to any natural or legal person due to a failure to comply with the obligations under this Regulation and with the cybersecurity risk management obligations <b>under Article 18</b> of the Directive XXXX/XXXX [NIS2].’;</p>
<p><b>Article 17 Supervisory body</b></p> <p>....</p> <p>....</p>	<p>Article 17 is amended as follows:</p> <p>(a) paragraph 4 is amended as follows:</p> <p>(1) point (c) of paragraph 4 is replaced by the following:</p> <p>‘(c) to inform the relevant national competent authorities of the Member States concerned, designated pursuant to Directive (EU) XXXX/XXXX [NIS2], .....</p>
<p><b>Article 18 Mutual assistance ....</b></p> <p><b>Article 20 Supervision of qualified trust service providers ....</b></p> <p><b>Article 21 Initiation of a qualified trust service ....</b></p> <p><b>Article 24 Requirements for qualified trust service providers</b></p> <p>....</p>	<p><b>NIS Directive: Network and Information Security (NIS/2) :</b></p> <p><b>Article 18 Mutual assistance ....</b></p> <p><b>Article 20 Supervision of qualified trust service providers ...</b></p> <p><b>Article 21 Initiation of a qualified trust service ....</b></p> <p><b>Article 24 Requirements for qualified trust service providers ...</b></p>

eIDAS 1.0

**Article 45 Requirements for qualified certificates for website authentication**

-----

eIDAS 2.0

2. Qualified certificates for website authentication referred to in paragraph 1 shall be **recognised by web-browsers. For those purposes web-browsers shall ensure that the identity data provided using any of the methods is displayed in a user friendly manner.** Web-browsers shall ensure support and interoperability with qualified certificates for website authentication referred to in paragraph 1, with the exception of enterprises, considered to be microenterprises and small enterprises in accordance with Commission Recommendation 2003/361/EC **in the first 5 years of operating** as providers of web-browsing services.

eIDAS 1.0

eIDAS 2.0

Article 3:

'(42) **'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;

**ELECTRONIC IDENTIFICATION**;

**Article 6 is deleted;**

**the following Articles (6a, 6b, 6c and 6d) are inserted:**

*Article 6a 1: each Member State shall issue a European Digital Identity...*

*Article 6a 1: all natural and legal persons in the Union have secure, trusted and seamless access to **cross-border public and private services ....***

*Article 6a 2: European Digital Identity Wallets shall be **issued**:*

*(a) by a **Member State**; ...*

*Article 6a 3: ... **sign by means of qualified electronic signatures.***

*Article 6c 1: European Digital Identity Wallets that **have been certified** or for which a statement of conformity has been issued under a cybersecurity scheme*

*Article 6a 11 : **Within 6 months** of the entering into force of this Regulation, the Commission shall establish technical and operational specifications and reference standards for the requirements*



Law

## EU digital ID scheme for online transactions across Europe

[Have your say](#) > [Published initiatives](#) > [EU digital ID scheme for online transactions across Europe](#) > [Feedback and statistics: Proposal for a regulation](#)

Feedback (50)

Statistics

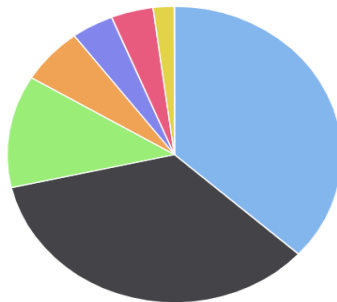
Total of valid feedback instances received: 49



The number feedback instances shown includes only the valid ones, respecting the feedback rules.  
The data is regularly updated.

### By category of respondent

- Business association: 18 (36.73%)
- Company/business organisation: 17 (34.69%)
- Other: 6 (12.24%)
- EU citizen: 3 (6.12%)
- Non-governmental organisation (NGO): 2 (4.08%)
- Public authority: 2 (4.08%)
- Academic/research Institution: 1 (2.04%)



# EFPE 2021 → EFPE 2022

The screenshot shows a web browser window with several tabs open, including 'Nowa karta', 'XIX международна', and 'EFPE – Europejskie'. The address bar shows 'efpe.pl/ru/'. The website header features the 'EFPE ONLINE' logo on the left and a navigation menu on the right with items: 'О КОНФЕРЕНЦИИ', 'АРХИВ', 'КОНТАКТ', and 'RU'. The main banner has a blue and red background with a maze-like pattern. The text on the banner reads: '10 июня 2021 г' and 'Европейский форум по электронной подписи и услугам доверия'. Below the text is an orange button that says 'Get access to EFPE 2021 resources'. In the bottom right corner, there is a small icon for 'Приветствие - Warsaw'.



- О КОНФЕРЕНЦИИ
- АРХИВ
- КОНТАКТ
- RU

10 июня 2021 г

## Европейский форум по электронной подписи и услугам доверия

Get access to EFPE 2021 resources



## Контактные данные:

**Alla Stoliarowa-Myc**

alla.stoliarowa@assecods.pl

**Marcin Szulga**

marcin.szulga@assecods.pl

Security & Trust Service Division

**Asseco Data Systems S.A.**

Благодарю за внимание

**ASSECO**

**DATA SYSTEMS**

Примечание: Перевод сделан автором, автор не несёт ответственности за непредусмотренные неточности.

# Zastrzeżenia prawne

Zawartość dostępna w prezentacji jest chroniona prawem autorskim i stanowi przedmiot własności. Teksty, grafika, fotografie, dźwięk, animacje i filmy, a także sposób ich rozmieszczenia w prezentacji podlegają ochronie na mocy Ustawy o prawach autorskich i prawach pokrewnych oraz innych przepisów z tym związanych. Jakikolwiek nieautoryzowane zastosowanie jakichkolwiek materiałów zawartych w prezentacji może stanowić naruszenie praw autorskich, znaków firmowych lub innych przepisów. Materiały dostępne w prezentacji nie mogą być modyfikowane, powielane, przedstawiane publicznie, wykonywane, rozprowadzane lub wykorzystywane w innych celach publicznych lub komercyjnych, chyba że Asseco Poland S.A. wydał na to wyraźną zgodę na piśmie. Kopiowanie w celach komercyjnych, rozpowszechnianie, modyfikacja lub przejmowanie zawartości niniejszej prezentacji przez osoby trzecie jest niedozwolone. W prezentacji mogą być prezentowane również materiały zawierające odesłania do ofert i usług podmiotów trzecich. Warunki korzystania z ofert i usług podmiotów trzecich są określone przez te podmioty. Asseco Poland S.A. nie ponosi żadnej odpowiedzialności za warunki i skutki korzystania z ofert i usług tychże podmiotów. Dane i informacje zawarte w prezentacji mają jedynie charakter ogólnoinformacyjny. Prezentacja przygotowana została w oparciu i przy użyciu produktów firmy Inscale.



Nazwa oraz logo Asseco Poland S.A. są zarejestrowanymi znakami towarowymi. Korzystanie z tych znaków wymaga wyraźnej zgody ze strony Asseco Poland S.A.