



digital2020
TRANSFORMATION

CONNECTING TECHNOLOGIES
FOR A TOTALLY DIGITAL ENVIRONMENT

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avantech

Document Archiving

Security and validation of documents for now and the future



File Edit View Window Help

Home Tools 500263.pdf x

At least one signature has problems. Signature Panel

SAFE End-User Subscriber Agreement

I. This SAFE End-User Subscriber Agreement (the "Agreement") is a binding, contractual agreement between me and SAFE-BioPharma, Association ("SAFE"). I am applying for a digital identity, in the form of a digital credential and associated hardware ("Credential"), from SAFE that will enable me to create and use Digital Signatures in electronic form. I agree not to challenge the legal effect, validity, or enforceability of any electronic record or electronic signature (including any Digital Signature) on the grounds that it is in digital rather than paper form.

II. The Credentials provided under this Agreement are issued within the SAFE system to facilitate SAFE Digital Signatures. Terms and words used in this Agreement are consistent with the meanings as defined in the SAFE Certificate Policy (the "CP"), which can be found at http://www.safe-biopharma.org/index.php?option=com_content&task=view&id=196&Itemid=296.

File Edit View Window Help

Home Tools 500263.pdf x

At least one signature has problems.

SAFE End-User

I. This SAFE End-User Subscriber Agreement (the SAFE-BioPharma, Association ("SAFE"). I am applying for hardware ("Credential"), from SAFE that will enable me to challenge the legal effect, validity, or enforceability of a Signature) on the grounds that it is in digital rather than paper form.

II. The Credentials provided under this Agreement are for use only for the purpose of signing documents. Terms and words used in this Agreement are defined in the SAFE Policy (the "CP"), which can be found at <http://www.safe-biop>.

At least one signature has problems.

Signatures

Validate All

- Rev. 1: Signed by Marianne Moeller
- Rev. 2: Signed by Marianne Moeller

Signature validity is unknown:

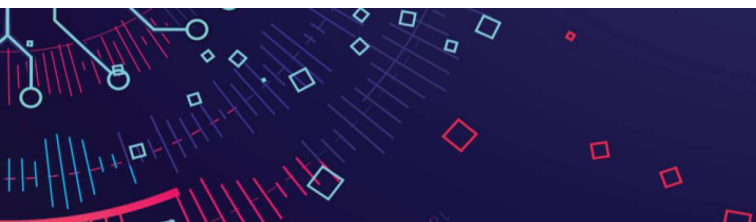
- Document has not been modified since this signature was applied
- Signer's identity is unknown because it has not been included in your list of trusted certificates
- Signing time is from the clock on the signer's computer.

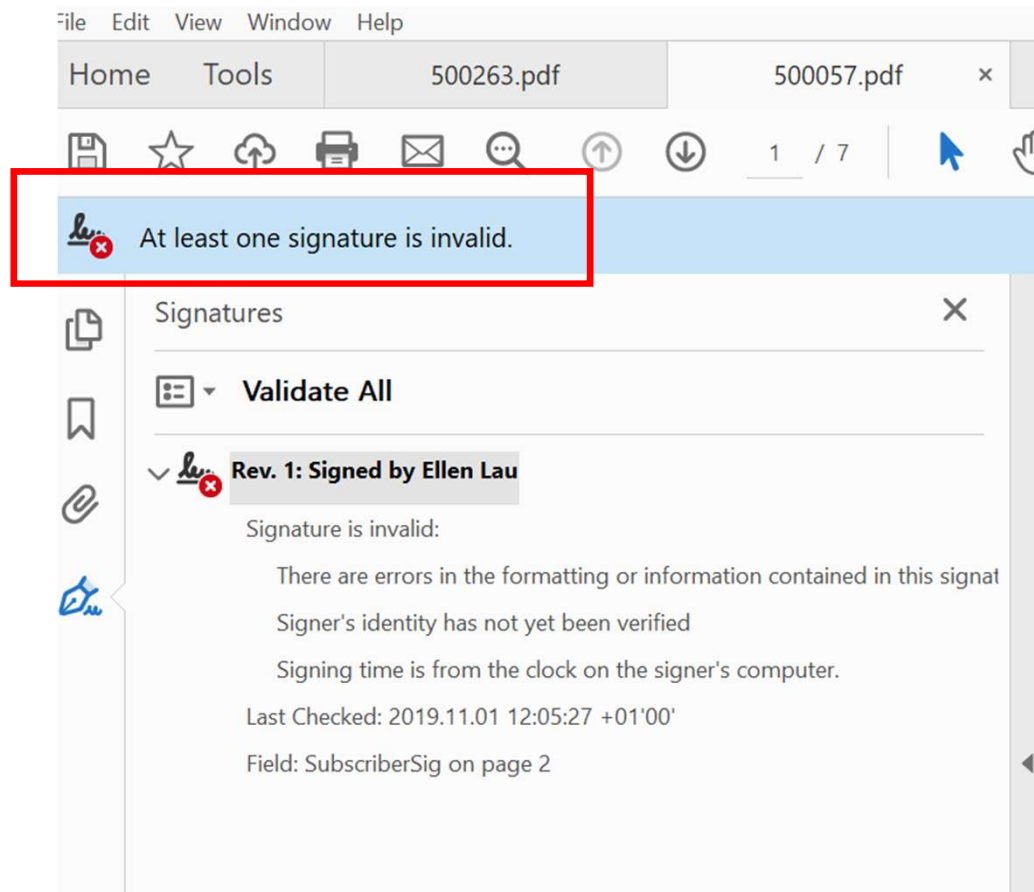
Signature Details

Last Checked: 2019.11.01 11:46:39 +01'00'

Field: SubscriberSig on page 2

[Click to view this version](#)





The screenshot shows a PDF viewer interface with a menu bar (File, Edit, View, Window, Help) and two tabs for PDF files: 500263.pdf and 500057.pdf. A toolbar contains various icons for file operations. A red box highlights a blue notification bar that reads: "At least one signature is invalid." Below this, a "Signatures" panel is open, showing a "Validate All" button and a list of signatures. One signature, "Rev. 1: Signed by Ellen Lau", is expanded to show a detailed error message: "Signature is invalid: There are errors in the formatting or information contained in this signat. Signer's identity has not yet been verified. Signing time is from the clock on the signer's computer. Last Checked: 2019.11.01 12:05:27 +01'00'. Field: SubscriberSig on page 2".

At least one signature is invalid.

Signatures

Validate All

Rev. 1: Signed by Ellen Lau

Signature is invalid:

- There are errors in the formatting or information.
- Signer's identity has not yet been verified.
- Signing time is from the clock on the signer's computer.

Last Checked: 2019.11.01 12:05:27 +01'00'

Field: SubscriberSig on page 2

Error Information

Error during signature verification.

Signature contains incorrect, unrecognized, corrupted or suspicious data.
Support Information: SigDict /Contents illegal data

<< Details


Chain View Text View

Error during signature verification. Signature contains incorrect, unrecognized, corrupted or suspicious data.


Error during signature verification. Signature contains incorrect, unrecognized, corrupted or suspicious data.


Error during signature verification. Signature contains incorrect, unrecognized, corrupted or suspicious data.

OK

 Signed and all signatures are valid.

Signatures ×

 **Validate All**

✓  **Rev. 1: Signed by VIKY TEODORA MANAILA**

Signature is valid:
Source of Trust obtained from European Union Trusted Lists (EUTL).
This is a Qualified Electronic Signature according to EU Regulation 910/2011.
Document has not been modified since this signature was applied
Signed by the current user
Signing time is from the clock on the signer's computer.

Signature is LTV enabled

> Signature Details

Last Checked: 2019.11.01 12:16:28 +01'00'

Field: Signature2 on page 1

[Click to view this version](#)



Long-Term Preservation for digitally signed documents

► Qualified Trust Service according to eIDAS Regulation

"This Regulation should ensure the long-term preservation of information, in order to ensure the legal validity of electronic signatures and electronic seals over extended periods of time and guarantee that they can be validated irrespective of future technological changes."

"A qualified preservation service for qualified electronic signatures may only be provided by a qualified trust service provider that uses procedures and technologies capable of extending the trustworthiness of the qualified electronic signature beyond the technological validity period"



Qualified Long-Term Preservation



Preservation over long periods of time, using digital signature techniques.



Maintains the validity status of a digital signature



Proof of existence of the associated signed data as they were at the time of the submission

Functional goals

- ✓ Preservation / proof of existence of general data
- ✓ Preservation of signatures and associated signed data
- ✓ Augmentation of evidence sent to preservation service (useful for moving data from one service to another)

Different preservation schemes

- ✓ Preservation scheme with storage based on evidence records
- ✓ Preservation scheme with temporary storage based on evidence records
- ✓ Preservation scheme with signature augmentation and with storage
- ✓ Preservation scheme with signature augmentation and without storage

eWitness Long-Term Preservation Service



PROOF OF EXISTENCE

Of the associated data as they were at the time of submission



NOTARY PUBLIC

The Long-Term Preservation manager is a notary public



AUTHENTICITY & INTEGRITY

Of the documents

eWitness LTP Service – Essential Components



- ✓ Signatures validation
- ✓ Documents exhibition portal
- ✓ Preservation receipts for each document, signed by the notary public



Digital transformation

- ✓ Digital signature
- ✓ Time stamping
- ✓ Signature validation
- ✓ Long – Term preservation for digital signatures

About Us

- ✓ Qualified Trust Service Provider according to eIDAS Regulation (soon), registered in Malta
 - ✓ Leading TSP in the certification and preservation of digital data
 - ✓ Part of CSC (Cloud Signature Consortium)

- ✓ Solutions and services
 - ✓ Accredited Preservation Provider according to Italian Law
 - ✓ Document platforms for digital transactions with legal value
 - ✓ Digital workflows with legal value
 - ✓ Key Escrow for digital signatures and software source-code
 - ✓ Digital transformation consulting services



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THANK YOU

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