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Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Electronic Registered Delivery Service Providers

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Electronic Registered Delivery Service Providers

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Electronic Signatures and Infrastructures (ESI).

National transposition dates	
Date of adoption of this EN:	1 February 2019
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Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 November 2019
Date of withdrawal of any conflicting National Standard (dow):	30 November 2019

Modal verbs terminology

In the present document **"shall"**, **"shall not"**, **"should"**, **"should not"**, **"may"**, **"need not"**, **"will"**, **"will not"**, **"can"** and **"cannot"** are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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Introduction

An "Electronic Registered Delivery Service (ERDS hereinafter)" provides secure and reliable delivery of electronic messages between parties, producing evidence of the delivery process for legal accountability. Evidence can be seen as a declaration by a trusted party that a specific event related to the delivery process (submission of a message, delivery of a message, refusal of a message, etc.) happened at a certain time. Evidence can be immediately delivered to the interested party (together with the message or separately) or can be kept in a repository for later access by interested parties. It is common practice to implement evidence as digitally signed data.

The above stated ERDS concept can be implemented in diverse ways, using different formats for identifiers and evidences, using different protocols for messaging, and even different message delivery models.

It is expected that the provision of these kind of services and the providers themselves will be suitably regulated within different regulatory or legal framework.

Particularly within the European Union Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC (Regulation (EU) No 910/2014 hereinafter) [i.1] provides a legal framework to facilitate cross-border recognition between existing national legal systems related to electronic registered delivery services. That framework aims to open new market opportunities for European Union trust service providers to offer new pan-European electronic registered delivery services.

Regulation (EU) No 910/2014 [i.1] defines the so-called Qualified Electronic Registered Delivery Services (QERDS hereinafter). QERDS is a special type of ERDS. Both the service and the provider providing it meet a number of additional requirements that the regular ERDS and its providers do not need to meet.

1 Scope

The present document specifies generally applicable policy and security requirements for Electronic Registered Delivery Services Providers (ERDSP), including the services they provide.

The present document is applicable to:

- the policy and security requirements of the ERDSP and EU qualified ERDSP;
- the general and security requirements of Electronic Registered Delivery Services (ERDS) and EU qualified ERDS in terms of message integrity; protection against loss, theft, damage or any unauthorized alteration of the data transmitted; sender and recipient strong identification; time reference; and proof of data's sending and receiving.

The present document does not specify interconnection requirements.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <https://docbox.etsi.org/Reference>.

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The following referenced documents are necessary for the application of the present document.

- [1] ETSI EN 319 401: "Electronic Signatures and Infrastructures (ESI); General Policy Requirements for Trust Service Providers".
- [2] ETSI EN 319 411-1: "Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 1: General requirements".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC.
- [i.2] ETSI EN 319 102-1: "Electronic Signatures and Infrastructures (ESI); Procedures for Creation and Validation of AdES Digital Signatures; Part 1: Creation and Validation".
- [i.3] ISO 29115: "Information technology -- Security techniques -- Entity authentication assurance framework".

- [i.4] NIST SP 800-63B: "Digital Identity Guidelines Authentication and Lifecycle Management".
- [i.5] Commission Implementing Regulation (EU) 2015/1502 of 8 September 2015 on setting out minimum technical specifications and procedures for assurance levels for electronic identification means pursuant to Article 8(3) of Regulation (EU) No 910/2014 of the European Parliament and of the Council on electronic identification and trust services for electronic transactions in the internal market (Text with EEA relevance).
- [i.6] ETSI EN 319 522-1: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 1: Framework and Architecture".
- [i.7] ETSI EN 319 522-2: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 2: Semantic content".

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