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Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 3: Formats

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Foreword

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

The present document is part 3 of a multi-part deliverable. Full details of the entire series can be found in part 1 [i.10].

National transposition dates	
Date of adoption of this EN:	3 January 2024
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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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1 Scope

The present document specifies the format for the semantic content (metadata, evidence, identification, and Common Service Infrastructure) that flows across the different interfaces of an Electronic Registered Delivery Service (ERDS) as defined in ETSI EN 319 522-2 [1].

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.

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

[1] ETSI EN 319 522-2: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 2: Semantic contents".

[2] W3C® Recommendation: "XML Signature Syntax and Processing. Version 1.1, 11 April 2013".

[3] IETF RFC 3061: "A URN Namespace of Object Identifiers".

[4] CEF eIDAS Technical Sub-group: "eIDAS SAML Attribute profile". Version 1.1.2. October 2016.

[5] OASIS: "Assertions and Protocols for the OASIS Security Assertion Markup Language (SAML) V2.0", March 2005.

[6] IETF RFC 5646: "Tags for Identifying Languages".

[7] IETF RFC 5035: "Enhanced Security Services (ESS) Update: Adding CertID Algorithm Agility".

[8] OASIS: "Service Metadata Publishing (SMP) Version 1.0", OASIS standard, August 2017.

[9] ETSI EN 319 532-3: "Electronic Signatures and Infrastructures (ESI); Registered Electronic Mail (REM) Services; Part 3: Formats".

[10] ETSI EN 319 522-4-3: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 4: Bindings; Sub-part 3: Capability/requirements bindings".

2.2 Informative references

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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] 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.

[i.2] NIST Special Publication 800-63: "Digital Identity Guidelines".

[i.3] NIST Special Publication 800-63-A: "Digital Identity Guidelines. Enrolment and Identity Proofing Requirements".

[i.4] NIST Special Publication 800-63-B: "Digital Identity Guidelines. Authentication and Lifecycle Management".

[i.5] NIST Special Publication 800-63-C: "Digital Identity Guidelines. Federation and Assertions".

[i.6] IETF RFC 5322: "Internet Message Format".

[i.7] ETSI EN 319 132-1: "Electronic Signatures and Infrastructures (ESI); XAdES digital signatures; Part 1: Building blocks and XAdES baseline signatures".

[i.8] IETF RFC 7522: "Security Assertion Markup Language (SAML) 2.0 Profile for OAuth 2.0 Client Authentication and Authorization Grants".

[i.9] ETSI TS 119 612: "Electronic Signatures and Infrastructures (ESI); Trusted Lists".

[i.10] ETSI EN 319 522-1: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 1: Framework and Architecture".

[i.11] OASIS: "AS4 Profile of ebMS 3.0 Version 1.0, OASIS Standard", January 2013.

[i.12] ETSI EN 319 522-4-1: "Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 4: Bindings; Sub-part 1: Message delivery bindings".

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