



Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services Part 4-2: Evidence and identification bindings

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Reference

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Keywords

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41 Foreword

42 This draft European Standard (EN) has been produced by ETSI Technical Committee| ESI and is now submitted for
 43 public review before approval by TC ESI and submission for the combined Public Enquiry and Vote phase of the ETSI
 44 standards EN Approval Procedure.

45 The present document is part 4-2 of a multi-part deliverable. Full details of the entire series can be found in [1].

Proposed national transposition dates	
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Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

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47 Modal verbs terminology

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

51 "**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

52

53 1 Scope

54 The present document provides the binding of the ERD messages, whose semantics is defined in [2] and whose format
55 is defined in [3], to specific transmission protocols.

56

57 2 References

58 2.1 Normative references

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

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

64 NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee
65 their long term validity.

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

67 [1] ETSI EN 319 522-1: " Electronic Signatures and Infrastructures (ESI); Electronic Registered
68 Delivery Services; Part 1: Framework and Architecture".

69 [2] ETSI EN 319 522-2: " Electronic Signatures and Infrastructures (ESI); Electronic Registered
70 Delivery Services; Part 2: Semantic Contents".

71 [3] ETSI EN 319 522-3: " Electronic Signatures and Infrastructures (ESI); Electronic Registered
72 Delivery Services; Part 3: Formats".

73 [4] ETSI EN 319 532-3: " Electronic Signatures and Infrastructures (ESI); Registered Electronic Mail
74 (REM) Services; Part 3: Formats".

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77 3 Definitions and abbreviations

78 For the purposes of the present document, the definitions and abbreviations given in [1] apply.

79

80 4 Message delivery bindings – general concepts

81 The present document specifies the bindings of the message and identification information which flows through
82 interface ERDS-RI to specific protocols, when they are not associated to the user content

83 As defined in [2], the ERDS-RI interface allows for the exchange of ERD messages (ERD dispatch, ERD payload,
84 ERDS receipt, ERDS serviceInfo). Specific formats for these objects are defined in [3].

85 Evidence and identification information, when not associated to the user content, form an ERD receipt. This subpart
86 defines the mapping of the ERD receipt to AS4 and Internet Message Format.

87

88 5 AS4 binding

89 5.1 Introduction

90 This clause provides a specification for the exchange of an **ERDS receipt** between two ERDS, i.e. the implementation
91 of the relay operation, using the AS4 message exchange protocol. This binding specification consists of one clause
92 defining the ERDS receipt binding, and one clause describing the generic requirements that apply to all bindings.

93 The configuration of an ebMS V3/AS4 message exchange is done using P-Modes, short for processing modes, as
94 described in A P-Mode.

95

96 5.2 Generic requirements

97 Generic requirements defined in [2], clause 4, apply to ERDS receipt.

98

99 5.3 Binding of ERD receipt

100 When relaying an ERD dispatch using AS4 the sending ERDS shall use to
101 <http://uri.etsi.org/19522/as4binding/v1#Actions/ERDmessage> as value for PMode[1].Action.

102 The message shall include one or more containing the ERDS evidence(s).

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104 5.4 Signature

105 Signature requirements defined in [2], clause 7, apply to ERDS receipt.

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107 6 RFC 5322 binding

108 This binding is provided by EN 319 532-3 [4].

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History

Document history		
0.0.1	03/2017	V0.0.1 for ESI comments
0.0.2	06/2017	V0.0.2 for ESI comments
0.0.3	09/2017	V0.0.3 stable draft for ESI
0.0.4	10/2017	V0.0.4 for public review

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