



**Electronic Signatures and Infrastructures (ESI);  
Testing Conformance and Interoperability of Trusted Lists;  
Part 1: Specifications for testing conformance of  
XML representation of Trusted Lists**

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**Reference**

DTS/ESI-0019614-1

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**Keywords**conformance, electronic signature, security,  
testing**ETSI**

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# Contents

Intellectual Property Rights .....	6
Foreword.....	6
Modal verbs terminology.....	6
1 Scope .....	7
2 References .....	7
2.1 Normative references .....	7
2.2 Informative references.....	8
3 Abbreviations .....	8
4 Overview .....	8
5 Testing Trusted Lists .....	9
5.1 Testing auxiliary types .....	9
5.1.1 Testing multilingual string types .....	9
5.1.1.1 Testing lang attribute.....	9
5.1.1.2 Testing tsl:NonEmptyString type.....	9
5.1.1.3 Testing tsl:NonEmptyNormalizedString type .....	10
5.1.1.4 Testing tsl:MultiLangStringType type .....	10
5.1.1.5 Testing tsl:MultiLangNormStringType type .....	11
5.1.2 Testing tsl:InternationalNamesType type .....	11
5.1.3 Testing tsl:InternationalNamesType type .....	11
5.1.4 Testing types for managing URIs .....	11
5.1.4.1 Testing tsl:NonEmptyURIType type.....	11
5.1.4.2 Testing tsl:NonEmptyURIListType type .....	12
5.1.4.3 Testing tsl:NonEmptyMultiLangURIType type.....	12
5.1.4.4 Testing tsl:NonEmptyMultiLangURIListType type .....	12
5.1.5 Testing Country Codes .....	12
5.1.5.1 Test assertions common to Trusted Lists from EUMS, from non EUMS, and the List of Lists from European Commission.....	12
5.1.5.2 Test assertions for non EUMS Trusted Lists.....	12
5.1.5.3 Test assertions for exceptions within EUMS Trusted Lists .....	13
5.1.6 Testing tsl:AddressType type .....	13
5.1.6.1 Introduction.....	13
5.1.6.2 Testing tsl:PostalAddressListType type.....	13
5.1.6.3 Testing tsl:ElectronicAddressType type .....	13
5.2 Testing the elements of the XML representation of the Trusted List.....	14
5.2.1 Introduction.....	14
5.2.2 Testing TSLTag attribute.....	14
5.2.3 Testing tsl:SchemeInformation element .....	14
5.2.3.1 Testing tsl:TSLVersionIdentifier element.....	14
5.2.3.2 Testing tsl:TSLSequenceNumber element.....	14
5.2.3.3 Testing tsl:TSLType element .....	15
5.2.3.3.1 Test assertions for EUMS Trusted Lists.....	15
5.2.3.3.2 Test assertions for EC List of Lists.....	15
5.2.3.3.3 Test assertions for non EUMS Trusted Lists .....	15
5.2.3.4 Testing tsl:SchemeOperatorName element .....	16
5.2.3.5 Testing tsl:SchemeOperatorAddress element .....	16
5.2.3.6 Testing tsl:SchemeName element .....	16
5.2.3.7 Testing tsl:SchemeInformationURI element.....	16
5.2.3.8 Testing tsl:StatusDeterminationApproach element.....	17
5.2.3.8.1 Testing tsl:StatusDeterminationApproach for EUMS Trusted Lists .....	17
5.2.3.8.2 Testing tsl:StatusDeterminationApproach for non-EUMS Trusted Lists .....	17
5.2.3.9 Testing tsl:SchemeTypeCommunityRules element .....	17
5.2.3.9.1 Introduction .....	17
5.2.3.9.2 Test assertions specific to EUMS Trusted Lists .....	18
5.2.3.9.3 Test assertions specific to EC List of Trusted Lists.....	18

5.2.3.9.4	Test assertions specific to no EUMS Trusted Lists .....	18
5.2.3.10	Testing tsl:SchemeTerritory element .....	18
5.2.3.11	Testing tsl:PolicyOrLegalNotice element .....	18
5.2.3.12	Testing HistoricalInformationPeriod element .....	18
5.2.3.13	Testing tsl:PointersToOtherTSL element .....	19
5.2.3.14	Testing tsl:ListIssueDateTime element .....	19
5.2.3.15	Testing tsl:NextUpdate element .....	19
5.2.3.16	Testing tsl:DistributionPoints element .....	19
5.2.3.17	Testing tsl:SchemeExtensions element .....	20
5.2.3.17.1	Test assertions for EUMS Trusted Lists .....	20
5.2.3.17.2	Test assertions for non EUMS Trusted Lists .....	20
5.3	Testing tsl:TSPInformation element .....	20
5.3.1	Testing tsl:TSPName element .....	20
5.3.2	Testing tsl:TSPTradeName element .....	20
5.3.3	Testing tsl:TSPAddress element .....	21
5.3.4	Testing tsl:TSPInformationURI element .....	21
5.3.5	Testing tsl:TSPInformationExtensions element .....	21
5.3.5.1	Test assertions for EUMS Trusted Lists .....	21
5.4	Testing ServiceInformation element .....	21
5.4.1	Testing tsl:ServiceTypeIdentifier element .....	21
5.4.2	Testing tsl:ServiceName element .....	22
5.4.3	Testing tsl:ServiceDigitalIdentity element .....	22
5.4.3.1	Test assertions common to any tsl:ServiceDigitalIdentity element .....	22
5.4.3.2	Test assertions specific to tsl:ServiceDigitalIdentity child element of tsl:ServiceInformation element .....	23
5.4.4	Testing tsl:ServiceStatus element .....	25
5.4.4.1	Introduction .....	25
5.4.4.2	Test assertions common to any tsl:ServiceStatus element .....	25
5.4.4.3	Test assertions specific to tsl:ServiceStatus child element of tsl:TSPService .....	25
5.4.5	Testing tsl:StatusStartingTime element .....	25
5.4.5.1	Test assertions common to any tsl:StatusStartingTime element .....	25
5.4.5.2	Test assertions specific to tsl:StatusStartingTime child element of tsl:TSPService .....	26
5.4.6	Testing tsl:SchemeServiceDefinitionURI element .....	26
5.4.7	Testing tsl:ServiceSupplyPoints element .....	26
5.4.8	Testing tsl:TSPServiceDefinitionURI element .....	26
5.4.9	Testing tsl:ServiceInformationExtensions element .....	26
5.4.9.1	Testing tsl:ExpiredCertsRevocationInfo element .....	26
5.4.9.2	Testing sie:Qualifications element .....	27
5.4.9.3	Testing tslx:TakenOverBy element .....	28
5.4.9.4	Testing tsl:AdditionalServiceInformation element .....	29
5.5	Testing tsl:ServiceHistory element .....	29
5.5.1	Testing tsl:ServiceTypeIdentifier element .....	29
5.5.2	Testing tsl:ServiceName element .....	30
5.5.3	Testing tsl:ServiceDigitalIdentity element .....	30
5.5.4	Testing tsl:ServiceStatus element .....	31
5.5.5	Testing tsl:StatusStartingTime element .....	31
5.5.6	Testing tsl:ServiceInformationExtensions element .....	31
5.6	Testing ds:Signature element .....	32

## **Annex A (normative): Test assertions derived from XML Schema .....35**

A.1	Introduction .....	35
A.2	Testing auxiliary types contents .....	35
A.2.1	Introduction .....	35
A.2.2	Testing tsl:NonEmptyNormalizedString instances .....	35
A.2.3	Testing tsl:NonEmptyString instances .....	36
A.2.4	Testing tsl:MultiLangStringType instances .....	36
A.2.5	Testing tsl:MultiLangNormStringType instances .....	36
A.2.6	Testing tsl:InternationalNamesType instances .....	36
A.2.7	Testing tsl:NonEmptyURIType instances .....	37
A.2.8	Testing tsl:NonEmptyURILISType instances .....	37
A.2.9	Testing tsl:NonEmptyMultiLangURIType instances .....	38

A.2.10	Testing tsl:NonEmptyMultiLangURIListType instances .....	38
A.2.11	Testing tsl:AttributedNonEmptyURIType instances .....	38
A.2.12	Testing tsl:AddressType instances .....	39
A.2.12.1	Testing structure .....	39
A.2.12.2	Testing tsl:PostalAddressListType instances .....	39
A.2.12.2.1	Testing tsl:PostalAddressListType instances .....	39
A.2.12.2.2	Testing tsl:PostalAddressType instances .....	40
A.2.12.3	Testing tsl:ElectronicAddressType instances .....	40
A.2.13	Testing tsl:ExtensionType instances .....	40
A.2.14	Testing tsl:ExtensionsListType instances .....	40
A.3	Testing Trusted List structure .....	41
A.3.1	Testing tsl:TrustServiceStatusList element .....	41
A.3.2	Testing tsl:SchemeInformation element .....	41
A.3.3	Testing tsl:PolicyOrLegalNoticeType type .....	42
A.3.4	Testing tsl:OtherTSLPointersType type .....	42
A.3.5	Testing tsl:ServiceDigitalIdentityListType type .....	43
A.3.6	Testing tsl:DigitalIdentityListType type .....	43
A.3.7	Testing tsl:DigitalIdentityType type .....	43
A.3.8	Testing tsl:AdditionalInformationType type .....	44
A.3.9	Testing tsl:TrustServiceProviderList .....	44
A.3.10	Testing tsl:TSPTType type .....	44
A.3.11	Testing tsl:TSPInformationType .....	45
A.3.12	Testing tsl:TSPServicesListType .....	45
A.3.13	Testing tsl:TSPServiceType .....	45
A.3.14	Testing tsl:TSPServiceInformationType .....	46
A.3.15	Testing tsl:ServiceSupplyPointsType .....	46
A.3.16	Testing tsl:ServiceHistoryType .....	47
A.3.17	Testing tsl:ServiceHistoryInstanceType .....	47
A.3.18	Testing Extensions .....	48
A.3.18.1	Testing tsl:AdditionalServiceInformationType type .....	48
A.3.18.2	Testing sie:QualificationsType type .....	48
A.3.18.2.1	Testing sie:QualificationsType .....	48
A.3.18.2.2	Testing sie:QualificationElement element .....	48
A.3.18.2.3	Testing sie:Qualifiers element .....	49
A.3.18.2.4	Testing sie:CriteriaListType type .....	49
A.3.18.3	Testing tsIx:ExtendedKeyUsageType type .....	50
A.3.18.4	Testing tsIx:TakenOverByType type .....	50
A.3.18.5	Testing tsIx:CertSubjectDNAttribute .....	51
A.3.18.6	Testing tsIx:MimeType .....	51
A.4	Test assertions for xades:ObjectIdentifierType .....	51
History	.....	53

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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Electronic Signatures and Infrastructures (ESI).

The present document is part 1 of a multi-part deliverable covering Testing Conformance and Interoperability of Trusted Lists, as identified below:

**Part 1: "Specifications for testing conformance of XML representation of Trusted Lists".**

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## Modal verbs terminology

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# 1 Scope

The present document defines the set of checks to be performed for testing conformance of Trusted Lists as specified in ETSI TS 119 612 [1].

Checks specified by the present document are exclusively constrained to elements specified by ETSI TS 119 612 [1], certain elements defined in ETSI TS 101 903 [2], and certain elements specified in XMLSig [3].

Regarding XML elements, the present document explicitly differentiates between structural requirements that are defined by the different XML Schemas where the tested elements are defined, and the rest of the requirements specified by ETSI TS 119 612 [1].

The present document is intentionally not linked to any software development technology and is also intentionally agnostic on implementation strategies. This is one of the reasons why the test assertions set includes tests on the correctness of the structure of all the elements specified by the XML Schemas associated with ETSI TS 119 612 [1].

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## 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 <http://docbox.etsi.org/Reference>.

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

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

- [1] ETSI TS 119 612 (V2.2.1): "Electronic Signatures and Infrastructures (ESI); Trusted Lists".
- [2] ETSI TS 101 903: "Electronic Signatures and Infrastructures (ESI); XML Advanced Electronic Signatures (XAdES)".
- [3] W3C Recommendation (2008): "XML-Signature Syntax and Processing (Second Edition)".
- [4] IETF RFC 2368: "The mailto URL scheme".
- [5] IETF RFC 3061: "A URN Namespace of Object Identifiers".
- [6] IETF RFC 3986: "Uniform Resource Identifier (URI): Generic Syntax".
- [7] IETF RFC 5646: "Tags for Identifying Languages".
- [8] ISO/IEC 10646:2014: "Information technology - Universal Coded Character Set (UCS)".
- [9] Recommendation ITU-T X.509: "Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks".
- [10] FIPS Publication 180-4 (2012): "Secure Hash Standard (SHS)".