

PEPPOL Validation Infrastructure Agreements

Annex 4 – Technical Specifications

1. Applicability

- 1.1. The technical standards as defined in this annex are applicable for all actors in the PEPPOL validation infrastructure and are the reference material for development and conformance.

2. PEPPOL eSignature Specifications

- 2.1. The following technical specifications are normative for the implementation and operation of components of PEPPOL eSignature validation.

Name of specification	Version number	Date of issue	URL
Architecture and Trust Models	2.1	30.08.2011	http://www.peppol.eu/peppol_components/peppol-eia/ict-architecture/esignature-infrastructure/models
eID and eSignature Quality Classification	2.1	30.08.2011	http://www.peppol.eu/peppol_components/peppol-eia/ict-architecture/esignature-infrastructure/models
OASIS DSS Interface Specification	2.1	30.08.2011	http://www.peppol.eu/peppol_components/peppol-eia/ict-architecture/esignature-infrastructure/models
Signature Policies	2.1	30.08.2011	http://www.peppol.eu/peppol_components/peppol-eia/ict-architecture/esignature-infrastructure/models
XKMS v2 Interface Specification	2.1	30.08.2011	http://www.peppol.eu/peppol_components/peppol-eia/ict-architecture/esignature-infrastructure/models

- 2.2. The full text of the technical specifications as listed in clause 2.1 are available at the URL as provided in that clause.

3. General relevant Technical Standards and Specifications

- 3.1. The following common technical standards and specifications are the most important background for PEPPOL eSignature Validation. In addition, see the reference sections of the technical specifications listed in clause 2.1 for other relevant background documentation, including other IETF, PKIX, W3C, ETSI and CEN standards:

Name of specification	Version number	URL
OASIS Digital Signature Service Core Protocols and Elements (and other OASIS DSS specifications)	1.0	http://docs.oasis-open.org/dss/v1.0/oasis-dss-core-spec-v1.0-os.html
XKMS (XML Key Management Specification – W3C Recommendation)	2.0	http://www.w3.org/TR/2005/REC-xkms2-20050628/
XML DSIG (XML-Signature Syntax and Processing)	2.0	http://www.w3.org/TR/xmlsig-core/
ETSI TS 102 231 (Electronic Signatures and Infrastructures (ESI) –	3.1.2	http://www.etsi.org/deliver/etsi_ts/102200_102299/102231/03.01.02_60/ts_102231v030102p.pdf

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Provision of Harmonised Trust Service Provider Information)		
ETSI TS 101 733 (Electronic Signatures and Infrastructures (ESI) – CMS Advanced Electronic Signature (CAdES))	1.8.3	http://www.etsi.org/deliver/etsi_ts/101700_101799/101733/01.08.03_60/ts_101733v010803p.pdf
ETSI TS 102 778 (Electronic Signatures and Infrastructures (ESI) – PDF Advanced Electronic Signature Profiles (PAdES))	1.1.1	http://www.etsi.org/deliver/etsi_ts/102700_102799/102778/01.01.01_60/ts_102778v010101p.pdf
ETSI TS 101 903 (Electronic Signature and Infrastructure (ESI) – XML Advanced Electronic Signatures (XAdES))	1.4.2	http://www.etsi.org/deliver/etsi_ts/101900_101999/101903/01.04.02_60/ts_101903v010402p.pdf

- 3.2. The full text of the technical specifications as listed in clause 3.1 are available at the URL as provided in that clause.