

PEPPOL e-Signature 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 e-signature validation infrastructure and are the reference material for development and conformance.

2. PEPPOL e-Signature Specifications

- 2.1. The following list of technical specifications is normative for the implementation and operation of components of PEPPOL e-Signature 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 e-Signature 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 e-Signature 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) – Provision of Harmonised Trust Service Provider Information)	3.1.2	http://www.etsi.org/deliver/etsi_ts/102200_102299/102231/03.01.02_60/ts_102231v030102p.pdf

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ETSI TS 101 733 (Electronic Signatures and Infrastructures (ESI) – CMS Advanced Electronic Signature (CAAdES))	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.