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OpenPEPPOL: e-Procurement in Europe

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PEPPOL & the EU Digital Agenda

PEPPOL: the Future of Public Procurement



“Among the EU public-sector programs, PEPPOL is a rising star.”

The adoption of PEPPOL by the UK’s Department of Health marks the largest organisation private or public of this international standard”

Neelie Kroes

Vice-President of the European Commission responsible for the Digital Agenda

*Extract from the blog post: [The future of public procurement?](#)



e-Invoicing in the EU - policy evolution

▶▶ EC Roadmap for electronic invoicing in public procurement (October 2012):
Main **problem** to be addressed: **Multiple Standards imposed by Member States.**

▶▶ Single Market Act II – Key Action 10 (October 2012): ***“Make electronic invoicing the standard invoicing mode for public procurement.”***



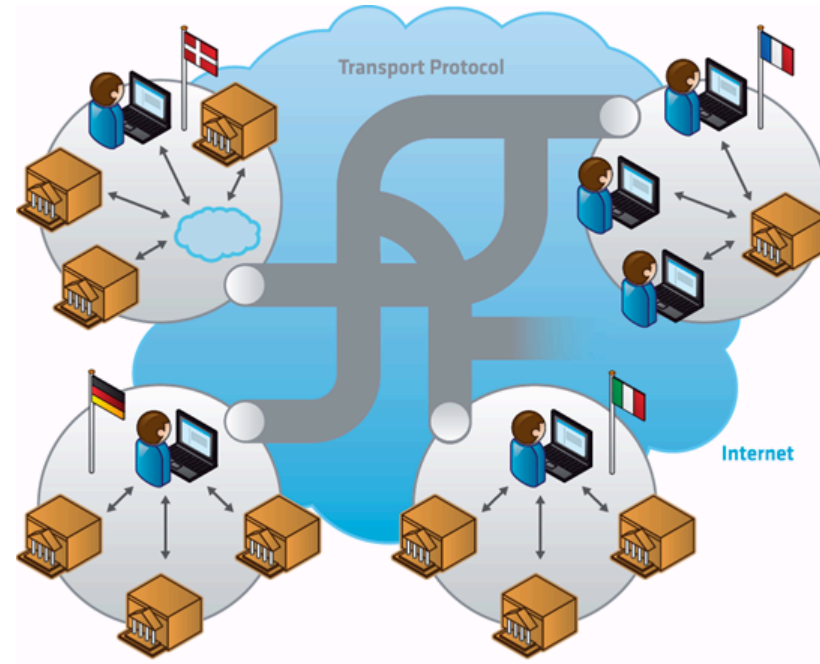
EC Directive on e-Invoicing in public procurement (April 2014): ***Development of an “e-Invoicing standard” building on the work of CEN WS/BII, PEPPOL, etc., taking into account other initiatives (development of a core semantic data model).***



PEPPOL: the Vision

The PEPPOL Vision is:

“To enable businesses to communicate electronically with any European government institution in the procurement process, increasing efficiencies and reducing costs.”



The PEPPOL project (2008-2012) was launched to address the key e-Procurement challenges in Europe. It has been jointly funded by the EC and a consortium of 18 government agencies from 11 Member States and Associated Countries.



The e-Procurement landscape

KEY CHALLENGES:

- ▶▶ **Closed networks, locked-in solutions and lack of interoperability**, resulting in “islands of e-Procurement”
- ▶▶ **Multitude of standards and formats**, resulting in need for conversion and increased cost and complexity
- ▶▶ **Lack of focus on the big picture: the complete purchase-to-pay process** resulting in single process oriented solutions

HOW PEPPOL SOLVES THEM:

- ▶▶ **Open and secure network, as the backbone of the e-Procurement Infrastructure in Europe**, connecting communities through Access Points
- ▶▶ **Standard-based specifications for e-Procurement documents** to be exchanged over the PEPPOL network
- ▶▶ **Focus on the complete process and the critical phases**, covering pre and post award processes

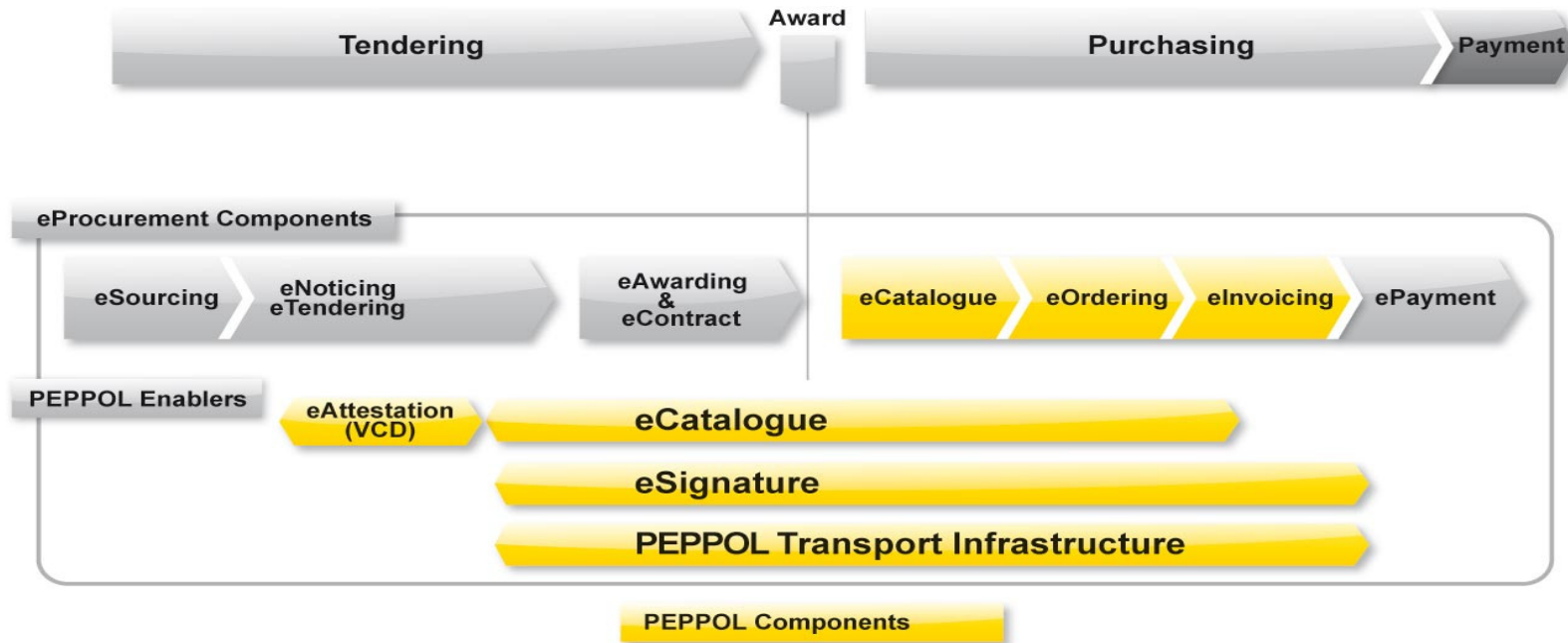


PEPPOL Overview

- ▶▶ **PEPPOL is not an e-Procurement platform** but instead provides a set of **technical specifications** that can be implemented in existing eProcurement solutions and services **to make them interoperable** between disparate systems across Europe.
 - ▶▶ PEPPOL enables trading partners to exchange standards-based electronic documents over the **PEPPOL network (based on a 4-corner model)**. These documents include **e-Orders, e-Advance Shipping Notes, eInvoices, eCatalogues, Message Level Response, etc..**
 - ▶▶ **PEPPOL Access Points** connect users to the PEPPOL network and exchange eProcurement documents based on the PEPPOL specifications. **Buyers and suppliers are free to choose their preferred Access Point provider** to connect to all PEPPOL participants already on the network. **(Connect once, connect all)**
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PEPPOL Components: focus on the critical phases



- ▶ **PEPPOL Pre-award:** eAttestation (VCD), eCatalogues, eSignature validation, potential use of PEPPOL Transport Infrastructure
- ▶ **PEPPOL Post-award:** eCatalogues, eOrdering, eInvoicing, eDespatch Advices. Potential use of eSignature validation and eAttestations
- ▶ **PEPPOL Transport Infrastructure (Network) and Governance** (legal framework based on the PEPPOL Transport Infrastructure Agreements)



PEPPOL - Semantic and Syntax

- ▶▶ PEPPOL builds on the **BII technical specifications** for **semantic interoperability** of e-Procurement documents - further developing the PEPPOL Business Interoperability Specifications (BIS)
- ▶▶ PEPPOL supports both **UBL** and **UN/CEFACT** syntaxes but only **UBL** implementations are in production



The role of OpenPEPPOL

- ▶▶ Following the successful completion of the PEPPOL project, **OpenPEPPOL AISBL** was set up on 1st Sept 2012 to **ensure long term sustainability** of PEPPOL results and their **governance**, acting as Coordinating Authority.
 - ▶▶ OpenPEPPOL offers technical specifications for e-Procurement interoperability:
 - ▶▶ PEPPOL **Business Interoperability Specifications** (PEPPOL BIS) for e-Procurement documents for **Post-award** procurement processes
 - ▶▶ PEPPOL **Transport Infrastructure** (the PEPPOL exchange network)
 - ▶▶ PEPPOL **Transport Infrastructure Agreements** (many-to-many regime)
 - ▶▶ OpenPEPPOL works in close cooperation with **eSENS** and **CEN WS/BII3** to enable interoperability in **Pre-award** procurement processes.
 - ▶▶ In March 2014, the OpenPEPPOL association reached **100 members**, from 18 European countries, Russia and USA; **over 70 PEPPOL Access Points**. **Membership is open** to public and private sector organisations.
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PEPPOL implementations e-Invoicing in Norway

- ▶▶ **Scope:** e-Invoicing in B2G; B2B; G2B; B2C.
- ▶▶ Use of PEPPOL approach reduces risk and cost as operational solutions are available and ready to be used for wider parts of the public procurement process
- ▶▶ Fastest growing e-Invoicing network in Norway
- ▶▶ Private sector use has outgrown public sector use
- ▶▶ Public sector use of e-Invoicing benefits both government and businesses

Some key figures:

- ▶▶ **22.023 recipients** registered (as of September 2014)
 - ▶▶ Approximately 14% are public sector recipients while 86 % are private.
 - ▶▶ Vast majority of central government organisations and municipalities can receive PEPPOL-based eInvoices
- ▶▶ **4,7 million transactions** reached
 - ▶▶ Out of the first million transactions exchanged over the PEPPOL network, nearly 50% are Business-to-Government, and the remaining is Business-to-Business.
- ▶▶ **44 Access Points** facilitating both domestic and cross border invoicing



PEPPOL implementations: NHS England

- ▶▶ National Health Service (NHS) e-Procurement Strategy mandates use of PEPPOL for:
- ▶▶ e-Ordering
- ▶▶ e-Invoicing
- ▶▶ e-Advanced Shipping Notes
- ▶▶ Using the PEPPOL Network (4-corner model)
- ▶▶ PEPPOL Authority to be set up ensuring public sector governance

Some key figures:

- ▶▶ NHS England revenue budget is set at around **£110 billion**
- ▶▶ The NHS eProcurement strategy is part of the Procurement Efficiency Programme, which projects savings **£1.5 billion** by the end of the financial year 2015-2016
- ▶▶ Some estimate suggest that e-Invoicing could save the UK public sector and its suppliers a minimum of **£2 billion** per annum



Join the OpenPEPPOL community!



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