# UBL in Pan European Public Procurement

UBL International 2008

Rome, Italy

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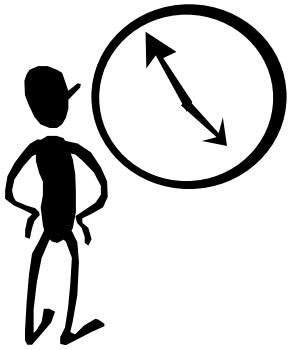
# Agenda

- Motivation: Potential for European procurement
- I2010 eGovernment Action Plan
- Competitiveness and Innovation Programme
- PEPPOL consortium and vision
- PEPPOL strategy and content
- UBL input
- CEN WS on Business Interoperability Interfaces
- Transport infrastructure considerations and vision



# Setting the scene

PEPPOL
Pan-European Public Procurement Online

- Government purchases in the European Union account for around 16 % of GDP
  - Approximately 1,500 Billion Euro.
  - But lagging behind major industries
  - E.g. capability to handle
    - tenders,
    - orders,
    - delivery notes,
    - catalogues,
    - invoices, or
    - payments.

- Barriers
  - The lack of common standards for electronic data exchange ????
  - The lack of critical mass with any one of the many initiatives

# Change ahead

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**EU member states have expressed a political will to change public procurement significantly.**

- The Manchester ministerial declaration of 24 November 2005 defines the target:

"By 2010 all public administrations across Europe will have the capability of carrying out 100 % of their procurement electronically and at least 50 % of public procurement above the EU public procurement threshold will be carried out electronically."

# Competitiveness and Innovation Programme

- Budget is ~3.6B€
- Duration is 2007-2013
- Three pillars
  - Entrepreneurship & Innovation Programme
  - Intelligent Energy Europe Programme
  - Innovative Communication Technology Policy Support Programme
    - Pilot a – eProcurement
    - 20 million Euro (50/50 sharing of costs)

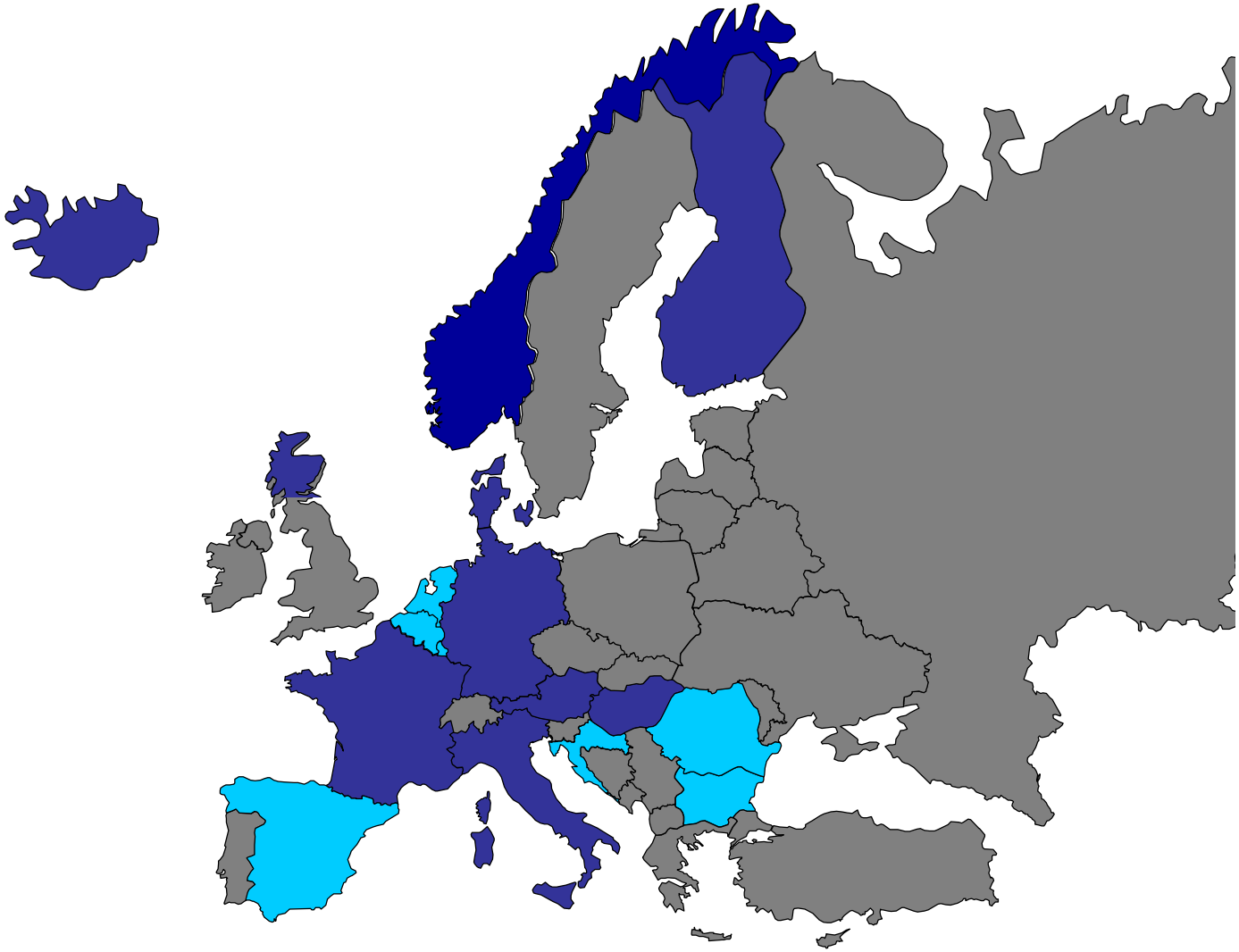
# PEPPOL Consortium and Reference group members

**Participants**

- Austria
- Denmark
- Finland
- France
- Germany
  - Bremen
  - U. of Koblenz-Landau
- Hungary
- Iceland
- Italy
- Norway
- Scotland

**Reference group**

- Belgium
- Bulgaria
- Croatia
- Netherlands
- Luxembourg
- Romania
- Spain



# Vision -> Means

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- Vision:

  Pan European exchange of business documents
  between any private company and
  any EU governmental institution
  **should be as easy as sending emails**.

- Means:
  - Standardized business documents
  - Standardized business processes (profiles)
  - Standardized E-business Transport Infrastructure
  - Large scale pilot (evolving into production)

# Strategy

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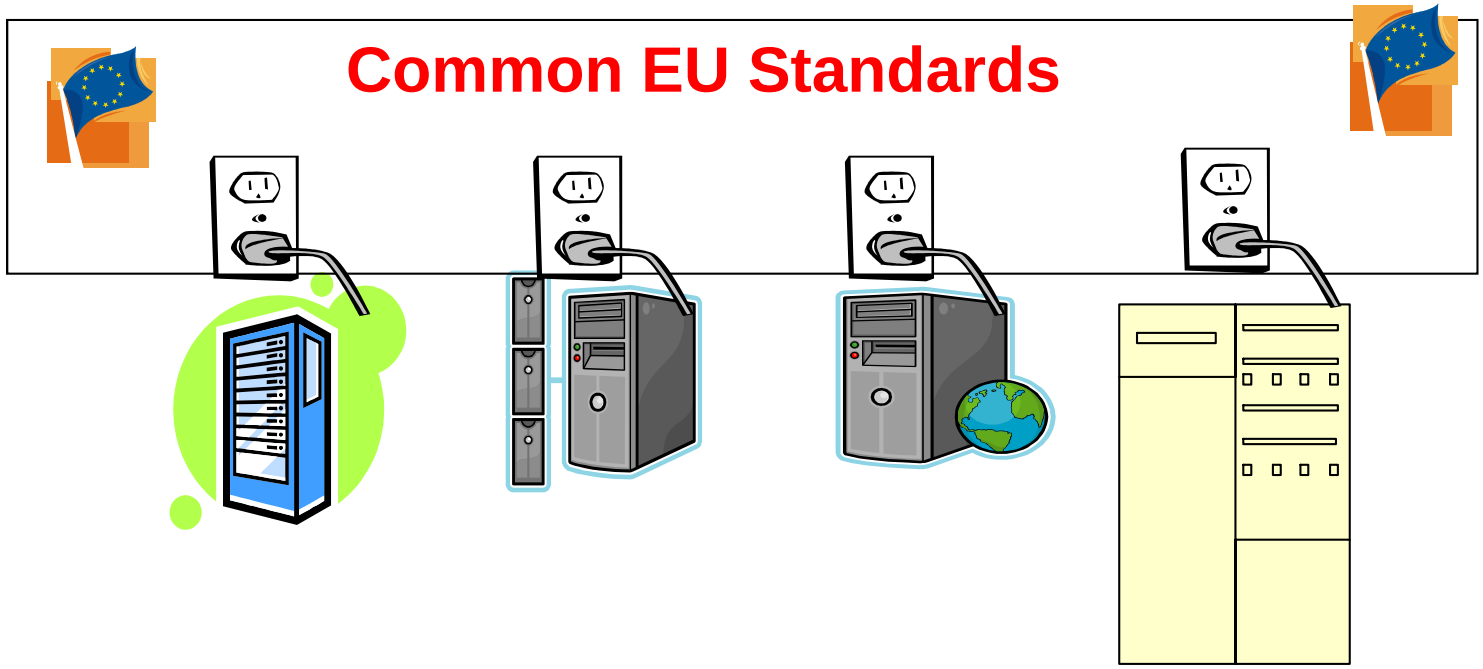
**National solutions will not be replaced, instead they will be aligned with common European standards and then linked.**



# PEPPOL project overview

- Business documents based on Universal Business Language (UBL)
  - Customization in North European Subset (NES)
  - CEN/ISSS  Workshop on Business Interoperability Interfaces for Public Procurement in Europe
    - European Committee for Standardization (Comité Européen de Normalisation)

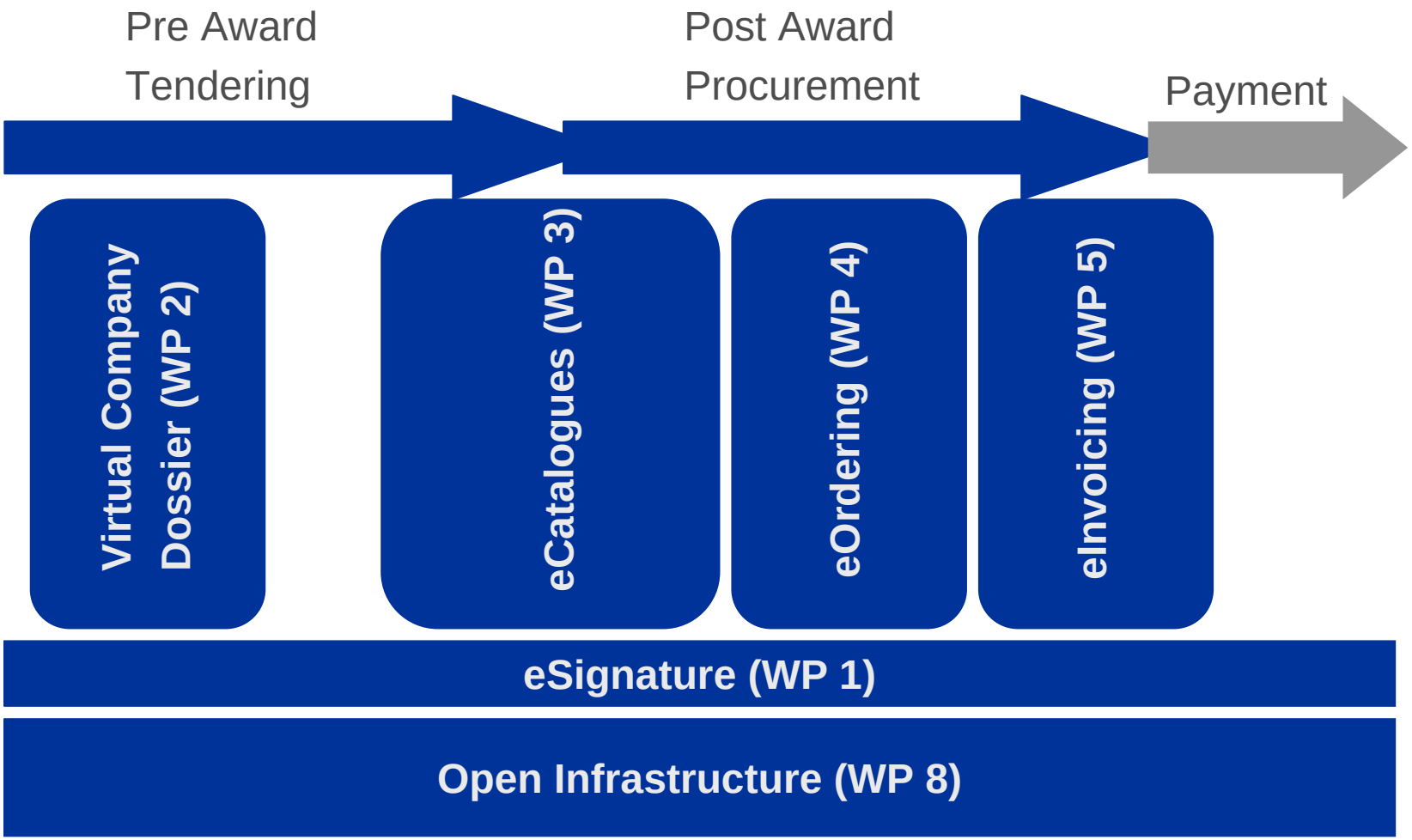
- Business documents
  - E-catalogues (as basis for tenders and ordering)
  - E-orders
  - E-invoices
    - and supporting business documents
  - Virtual company dossier

- Business processes
  - Selected business processes from
    - CEN/ISSS WS/BII WG1

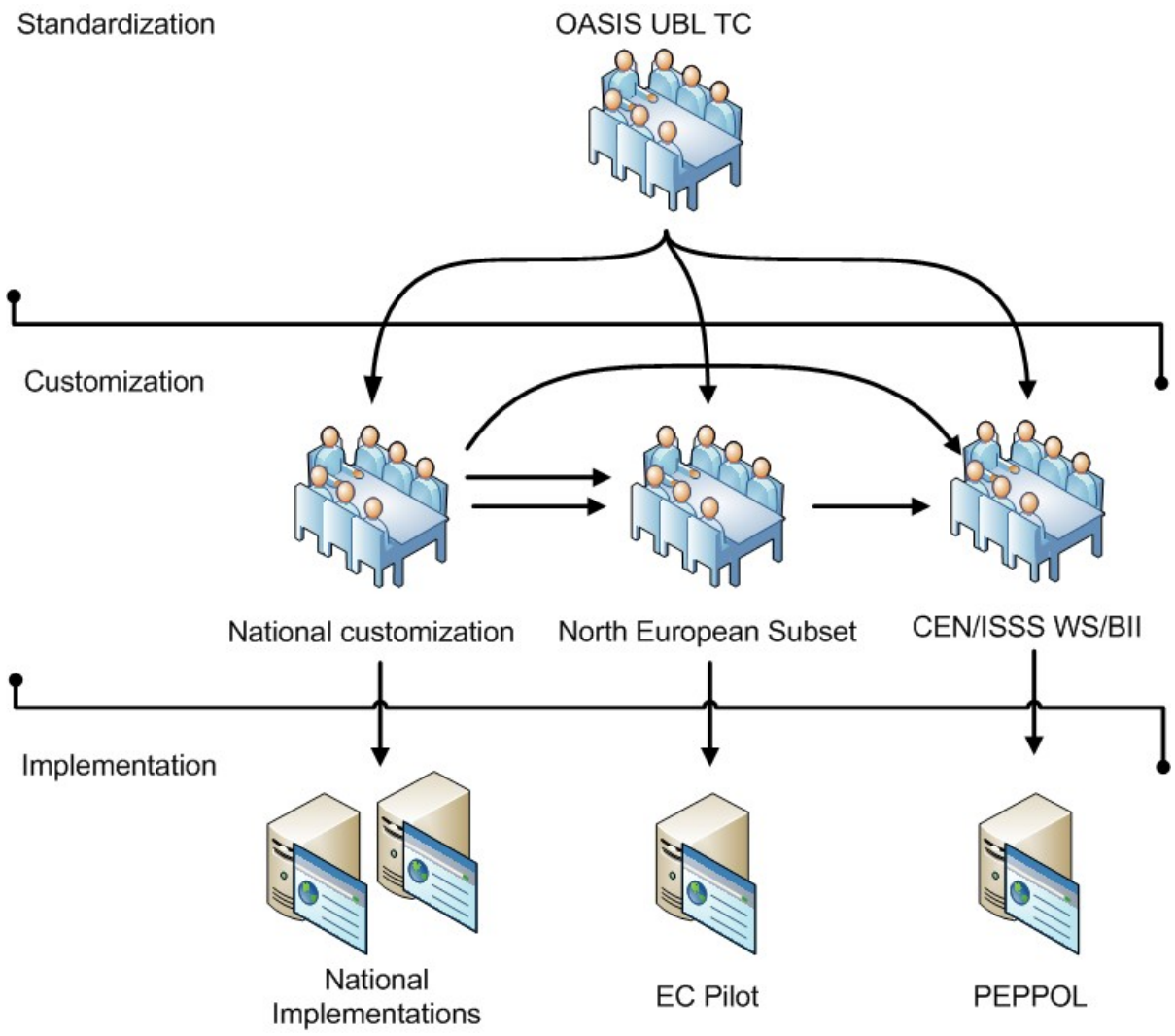
- Service Oriented Infrastructure
  - Bridge existing message infrastructures
    - CEN/ISSS WS/BII WG3

cip competitiveness and innovation framework programme 2007–2013

# Project scope



# UBL input to PEPPOL



# Business interoperability interfaces for public procurement in Europe*

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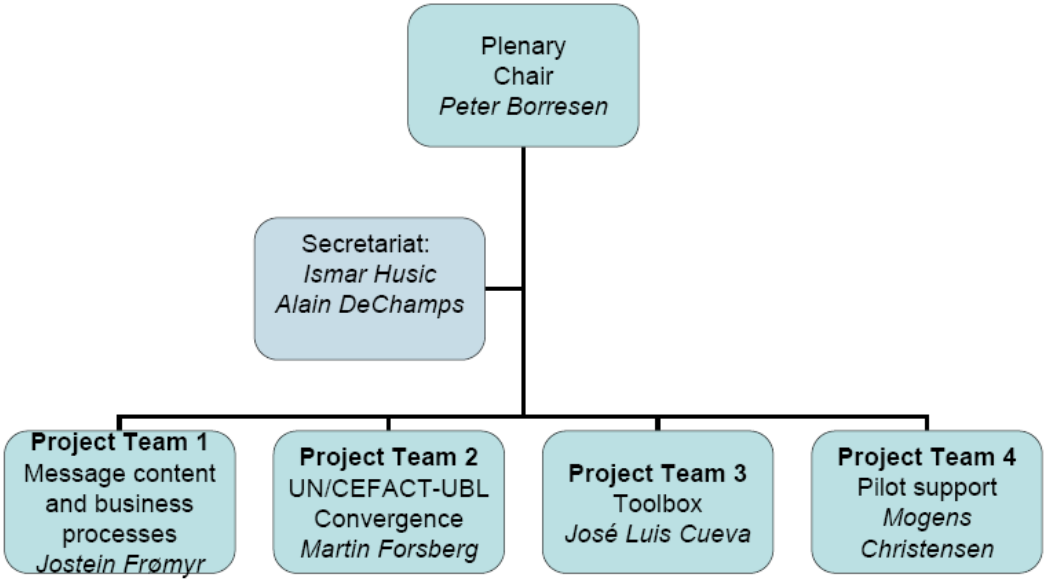
- To identify and document the required business interoperability interfaces
  - Pan European Public Procurement
  - Technical specifications
  - In alignment with UN/CEFACT standards
- To co-ordinate and provide support to pilot project.



# CEN/ ISSS WS/ BII WG1
# Post award profiles

- Catalogue only (BII01)
- Catalogue with update (BII02)
- Catalogue deletion (BII16)
- Multi party catalogue (BII17)
- Punch-out (BII18)
- Request for Quotation (BII20)
- Basic Order only (BII03)
- Basic Invoice only (BII04)
- Scanned Invoice (BII15)
- Basic billing (BII05)
- Basic procurement (BII06)
- Simple procurement (BII07)
- Simple billing with dispute and reminder (BII08)
- Advanced Procurement with dispatch (BII13)
- Advanced Procurement (BII19)
- Statement (BII21)
- Customs Bill (BII09)

# CEN/ ISSS WS/ BII WG3
# High level transport infrastructure requirements

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- Secure and reliable
  - The e-business transport infrastructure MUST be secure and reliable.
- Support for small and medium sized organizations
  - The e-business transport infrastructure MUST support small and medium sized organizations.
- Leverage investments in existing transport infrastructures
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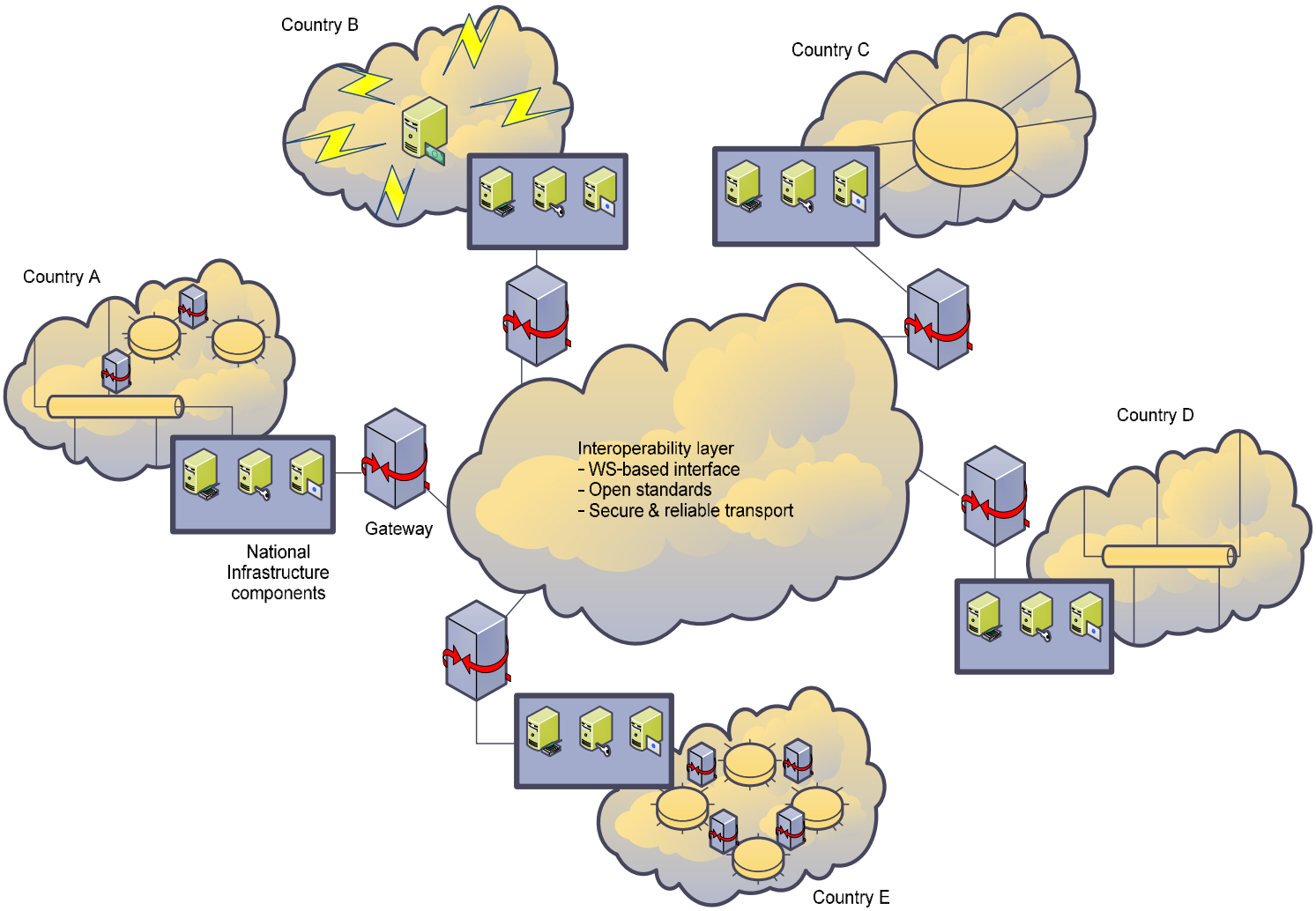
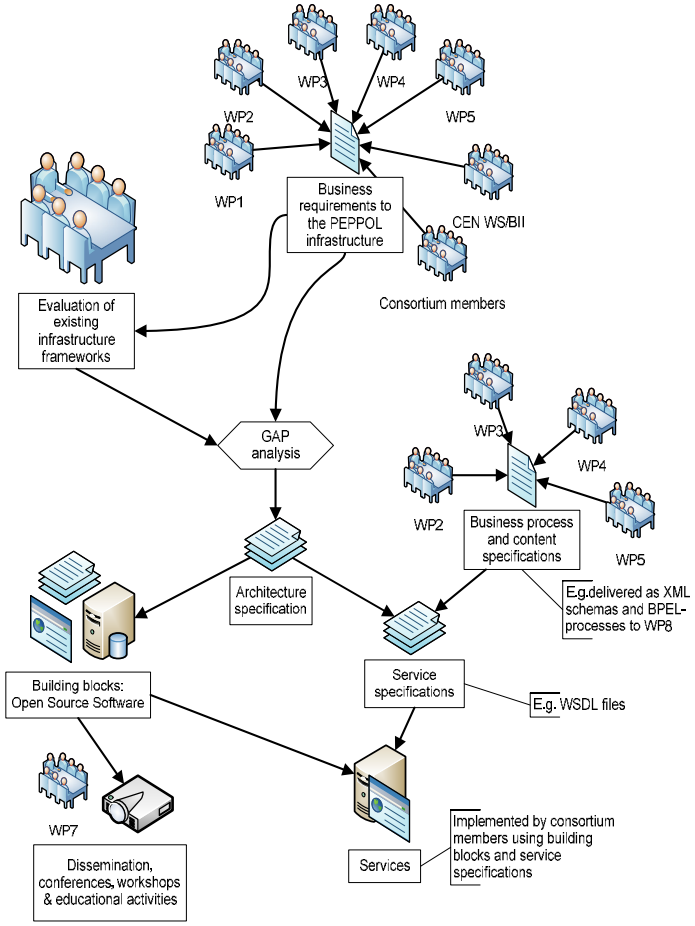
- Based on open standards
  - The e-business transport infrastructure MUST be based on open standards.

# Technical infrastructure

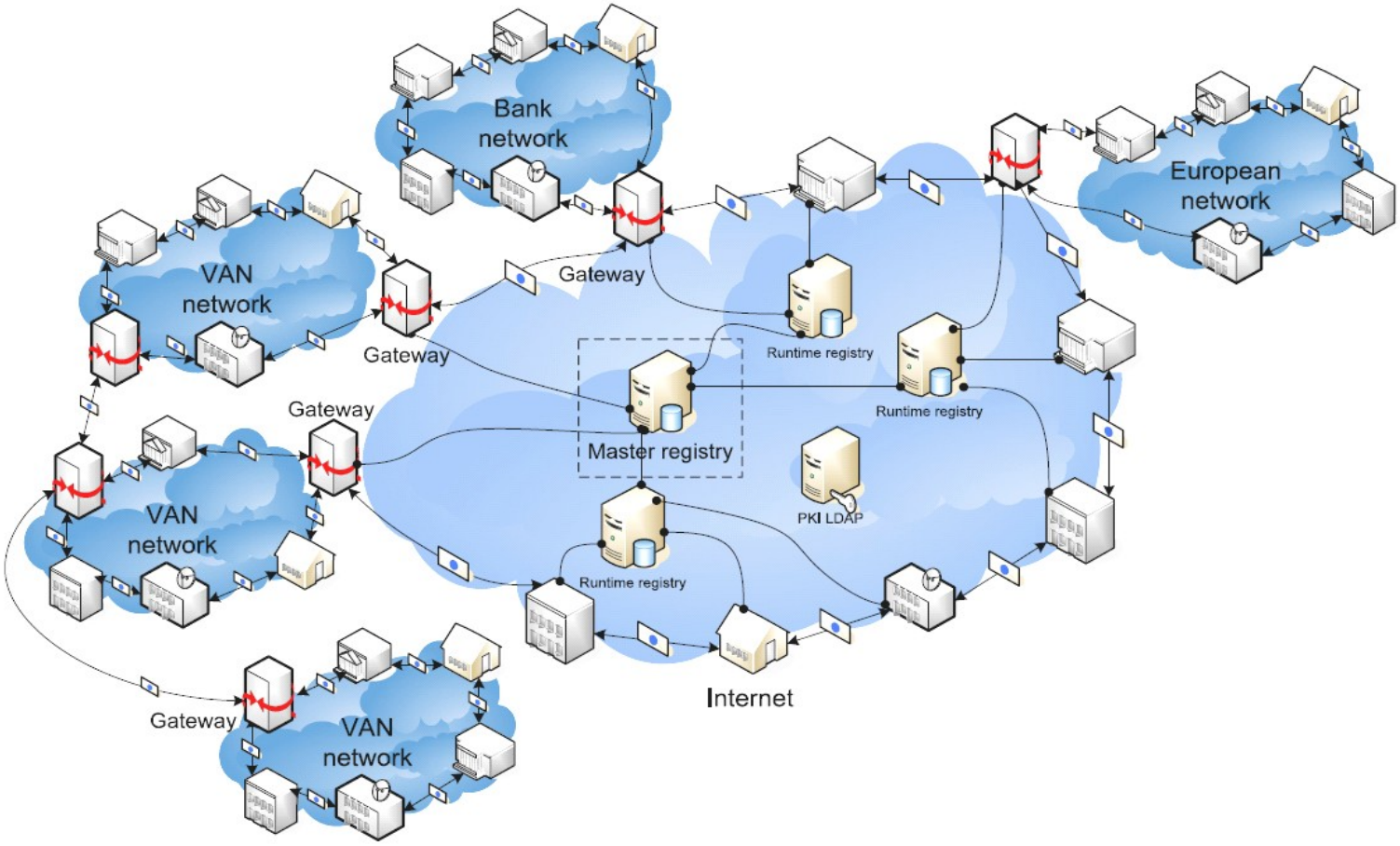


# WP8 Dependencies and Deliverables

- Consolidated list of business requirements
  - Based on input from other WP's and consortium members
- Detailed architecture specification
  - Evaluation of existing infrastructure solutions
  - Detailed documentation of architecture
- Web service specification
  - Based on web service standards
  - Will be submitted to international standardization organization
- Building blocks
  - Infrastructure software provided under Open Source License
    - Federated service and process registry
    - Security token service
    - Gateway
    - Web service toolkit
    - Client program
- Technical support organization
  - Provided by Denmark
  - Excluding end user support
- Educational and dissemination material and activities
  - Training material
  - White papers
  - Conferences and workshops
- Peering agreement
  - Legal framework for exchanging business documents

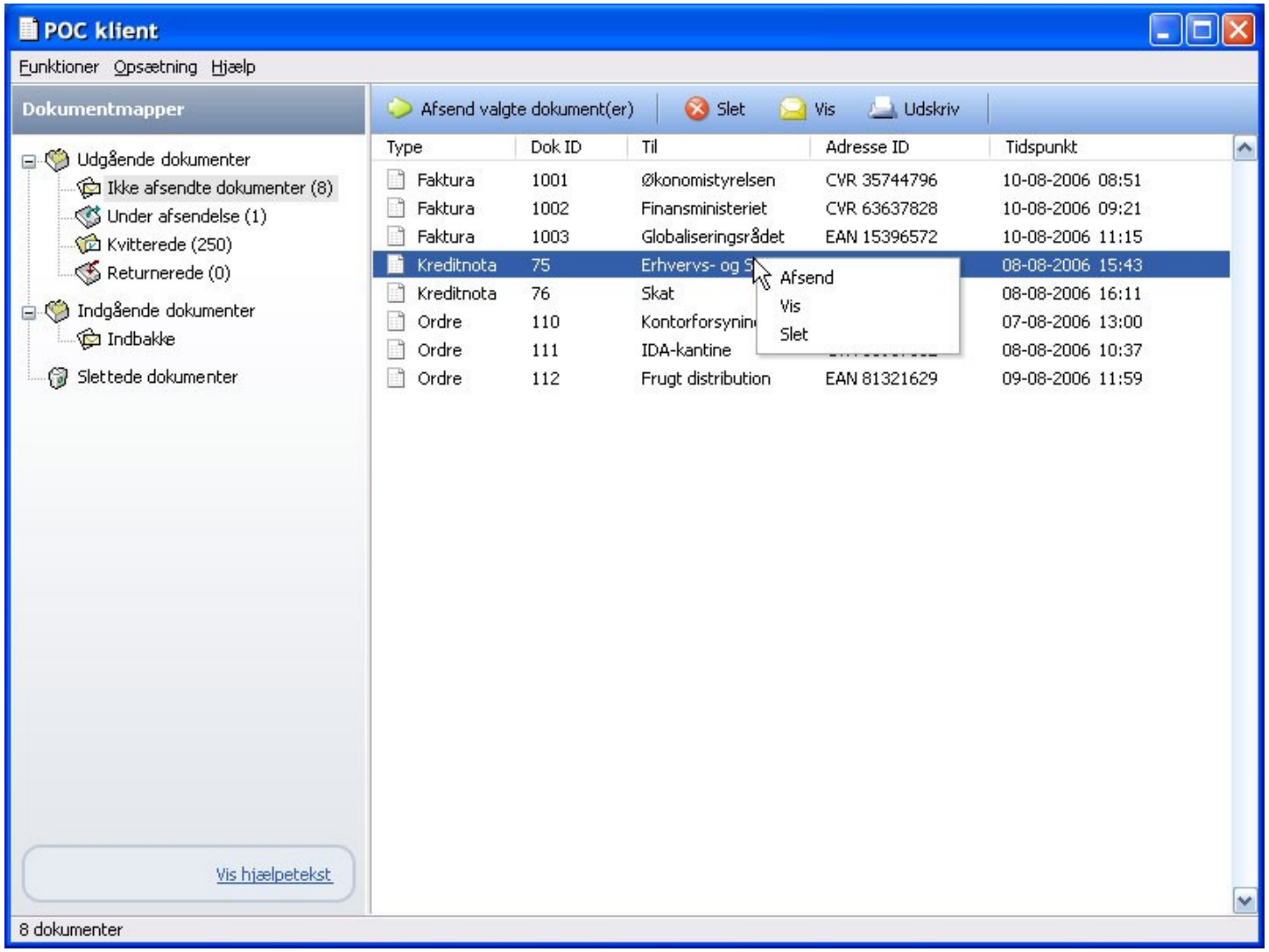


# Building on experience



# A simple open source client

PEPPOL
Pan-European Public Procurement Online



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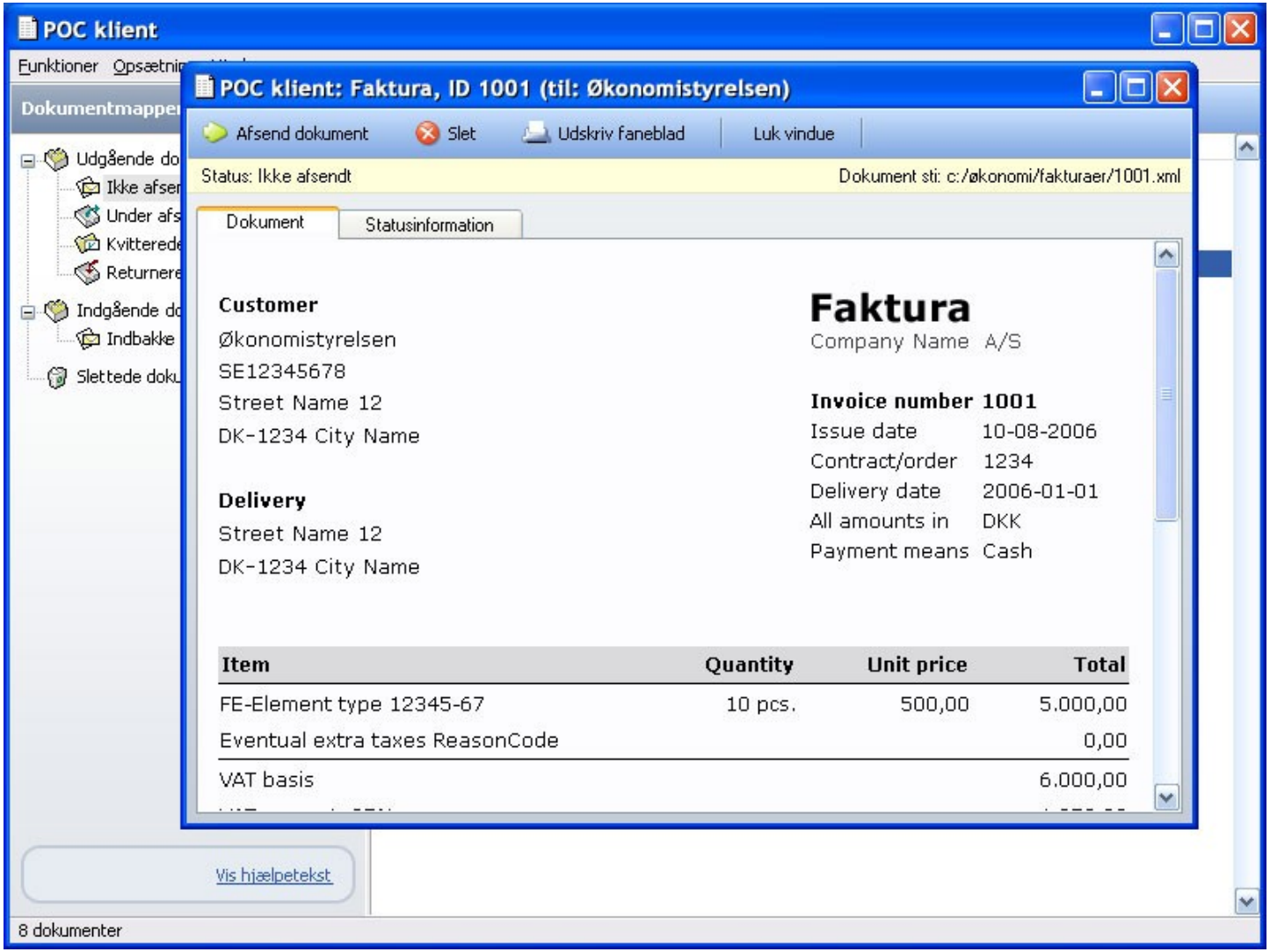
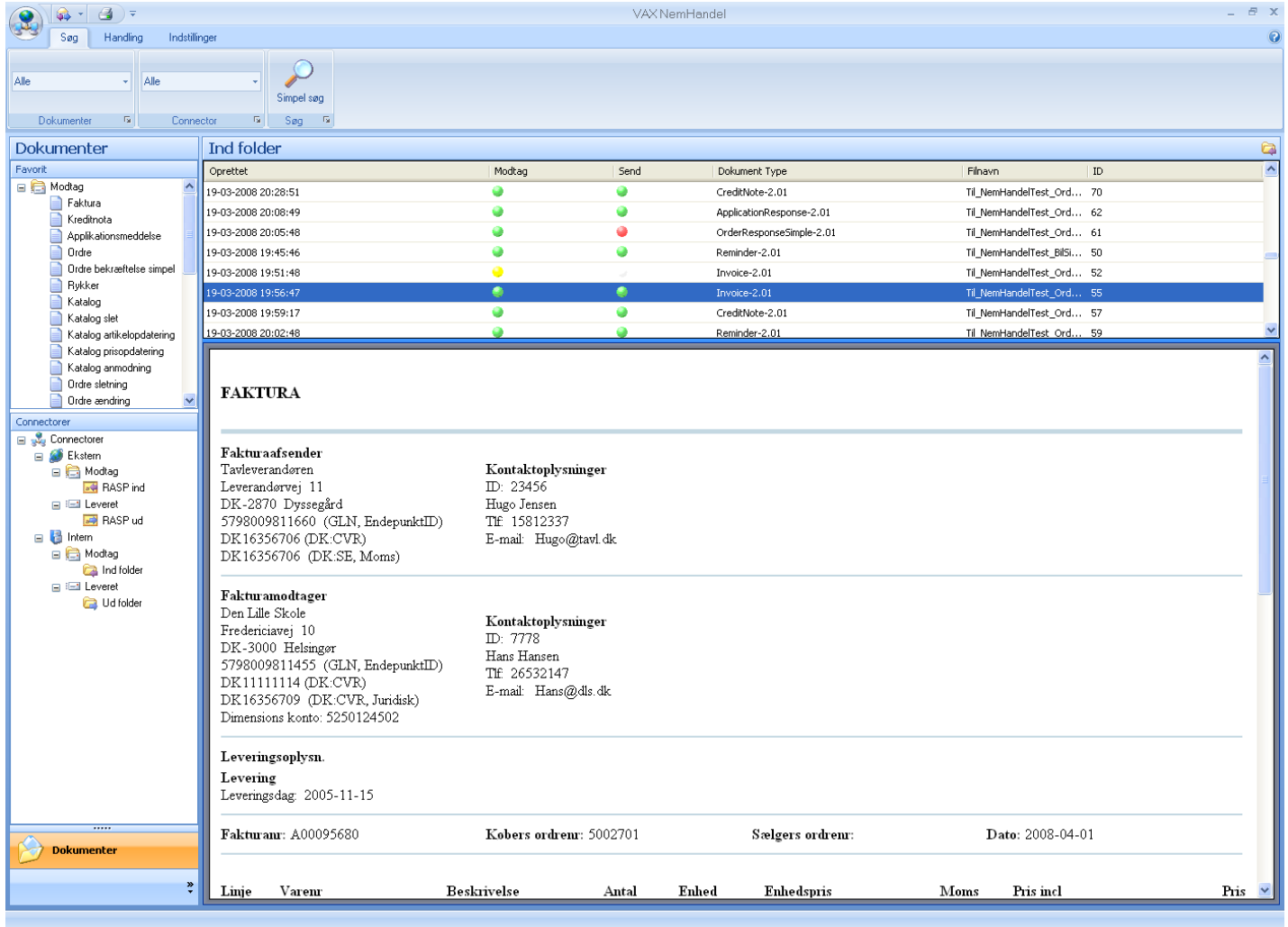
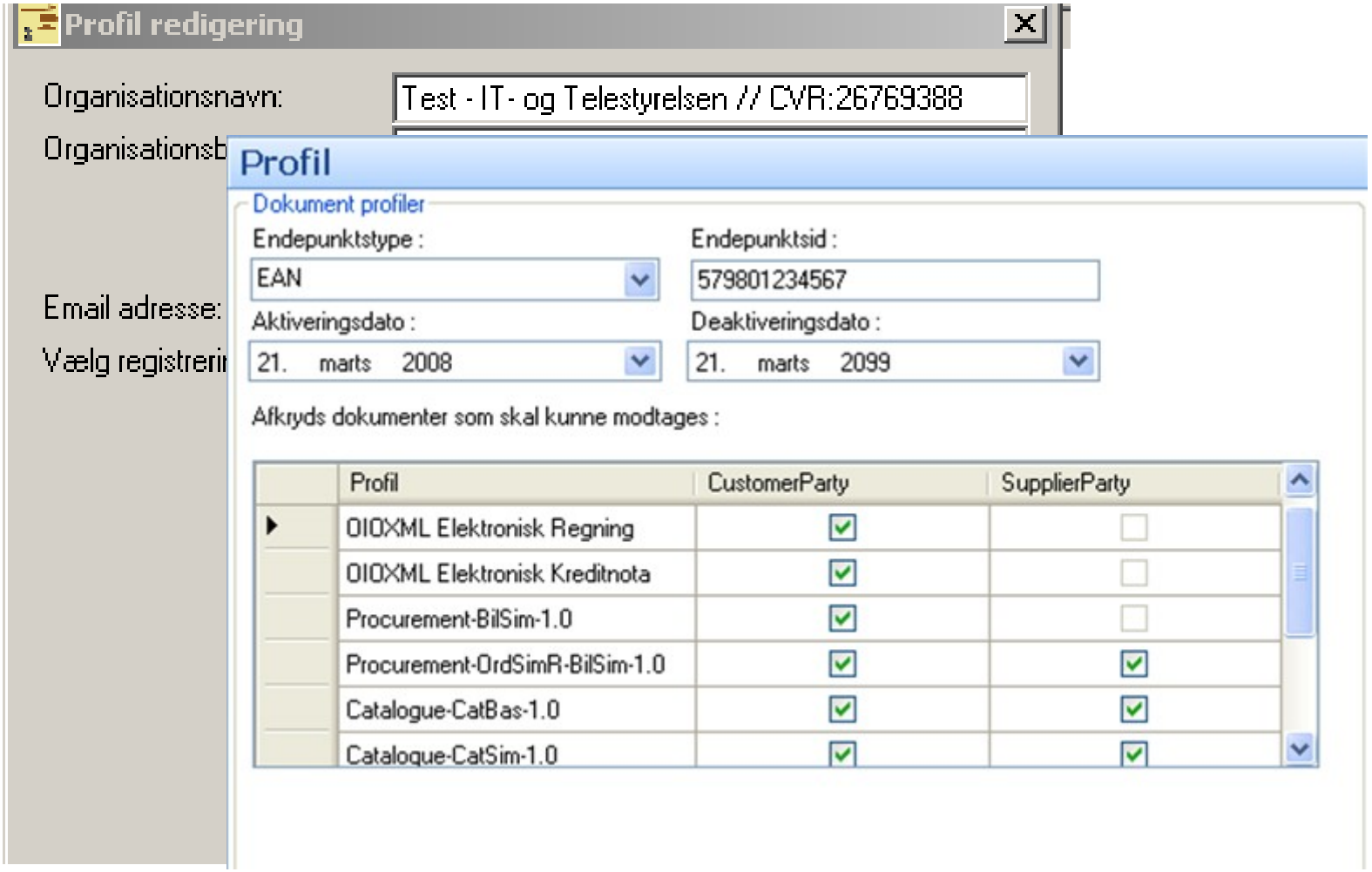


# Example of commercial product



# Simple configuration



# Thank you

**The Competitiveness and Innovation Framework Programme:**

http://ec.europa.eu/cip/index_en.htm

**PEPPOL website to appear at:**

http://peppol.eu