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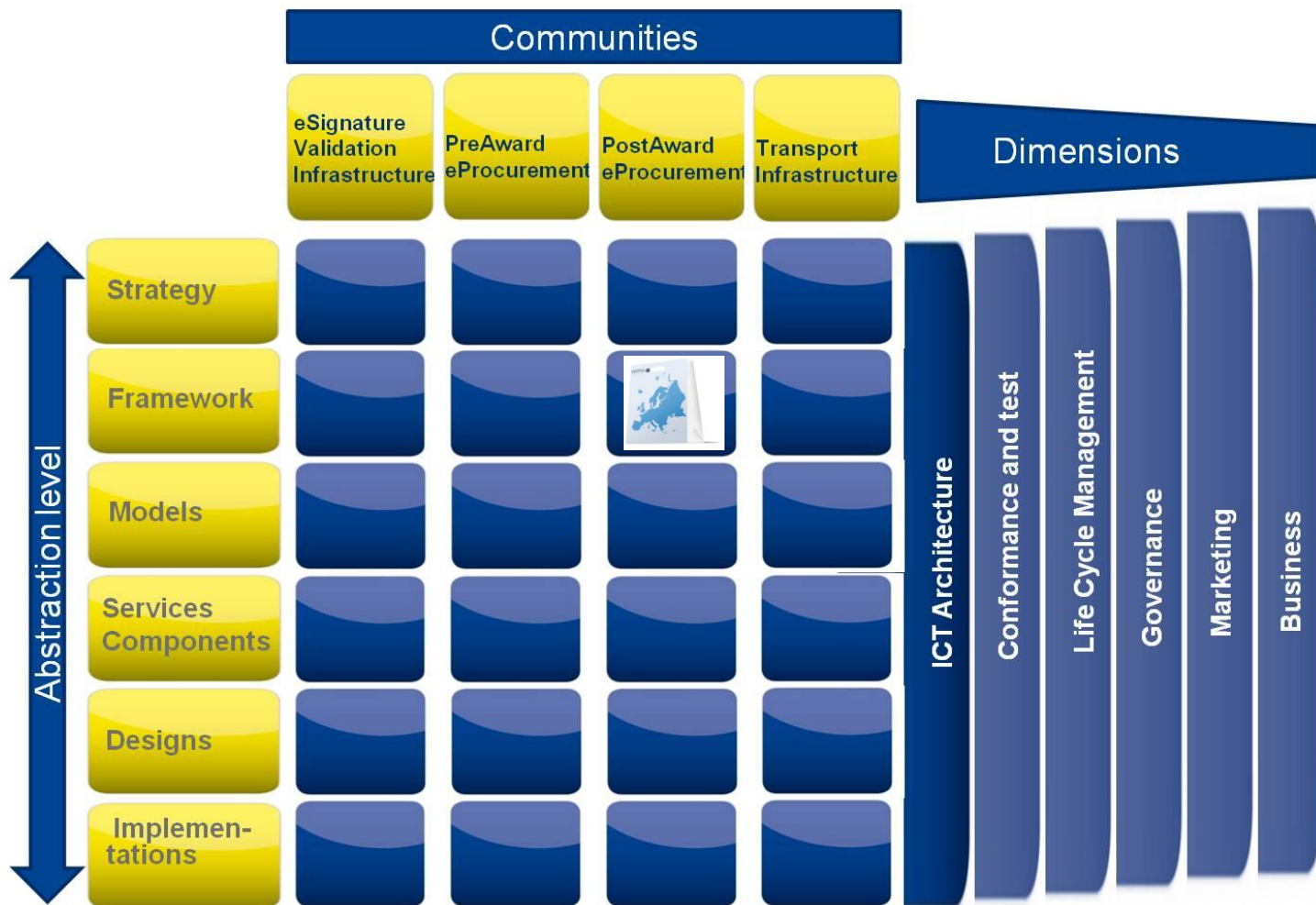
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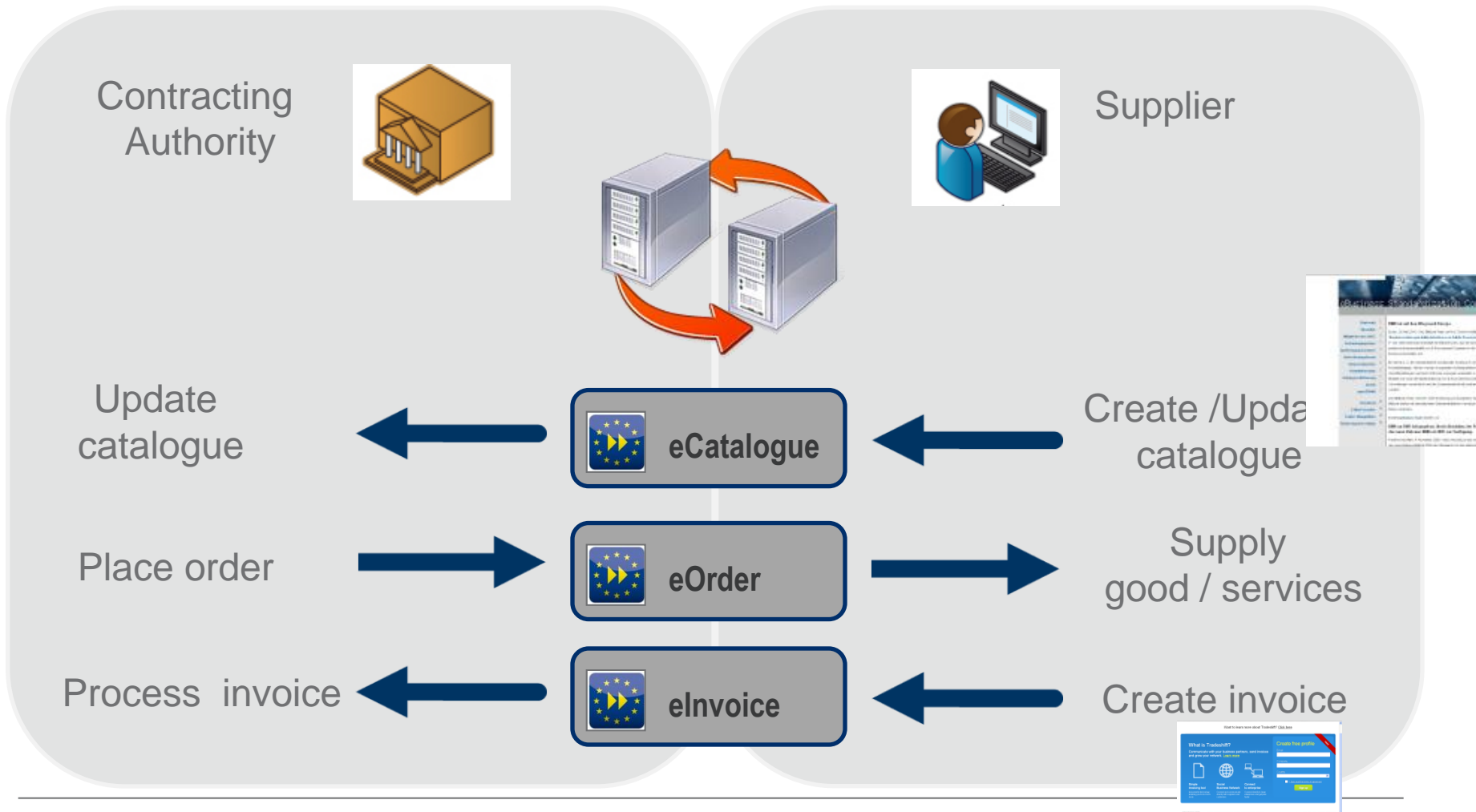
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# Revision History

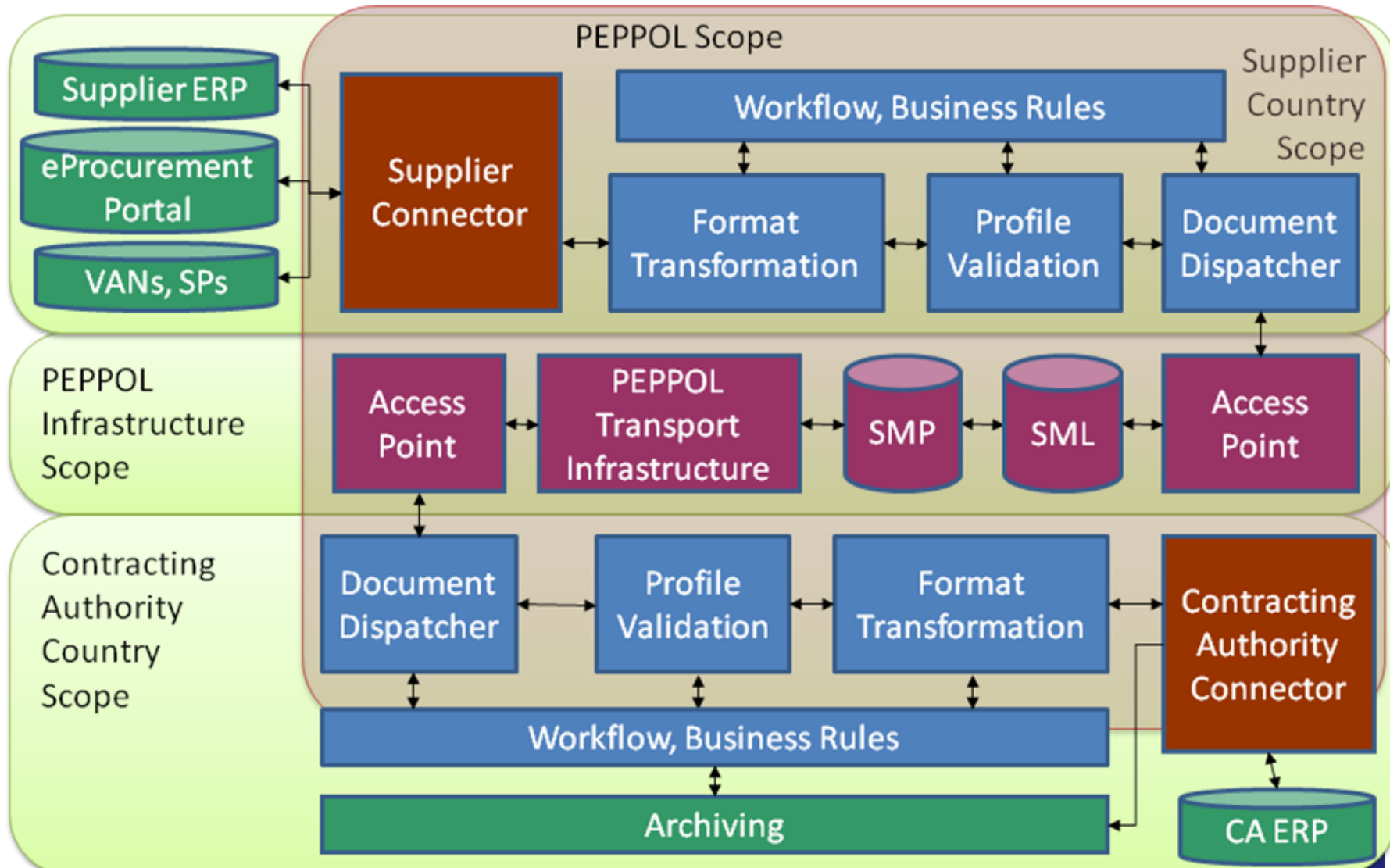
Version	Date	Editor	Org	Description
1.00	15.12.2010	Klaus Vilstrup Pedersen	DIFI	First versoin
1.01	01.04.2011	Klaus Vilstrup Pedersen	DIFI	Minor changes
1.10	01.05.2011	Bergthor Skulason	NITA	Adding " PEPPOL post-award eProcurement Reference Architecture" and aligning with new Artefact standards



# PEPPOL post-award eProcurement Process Flow

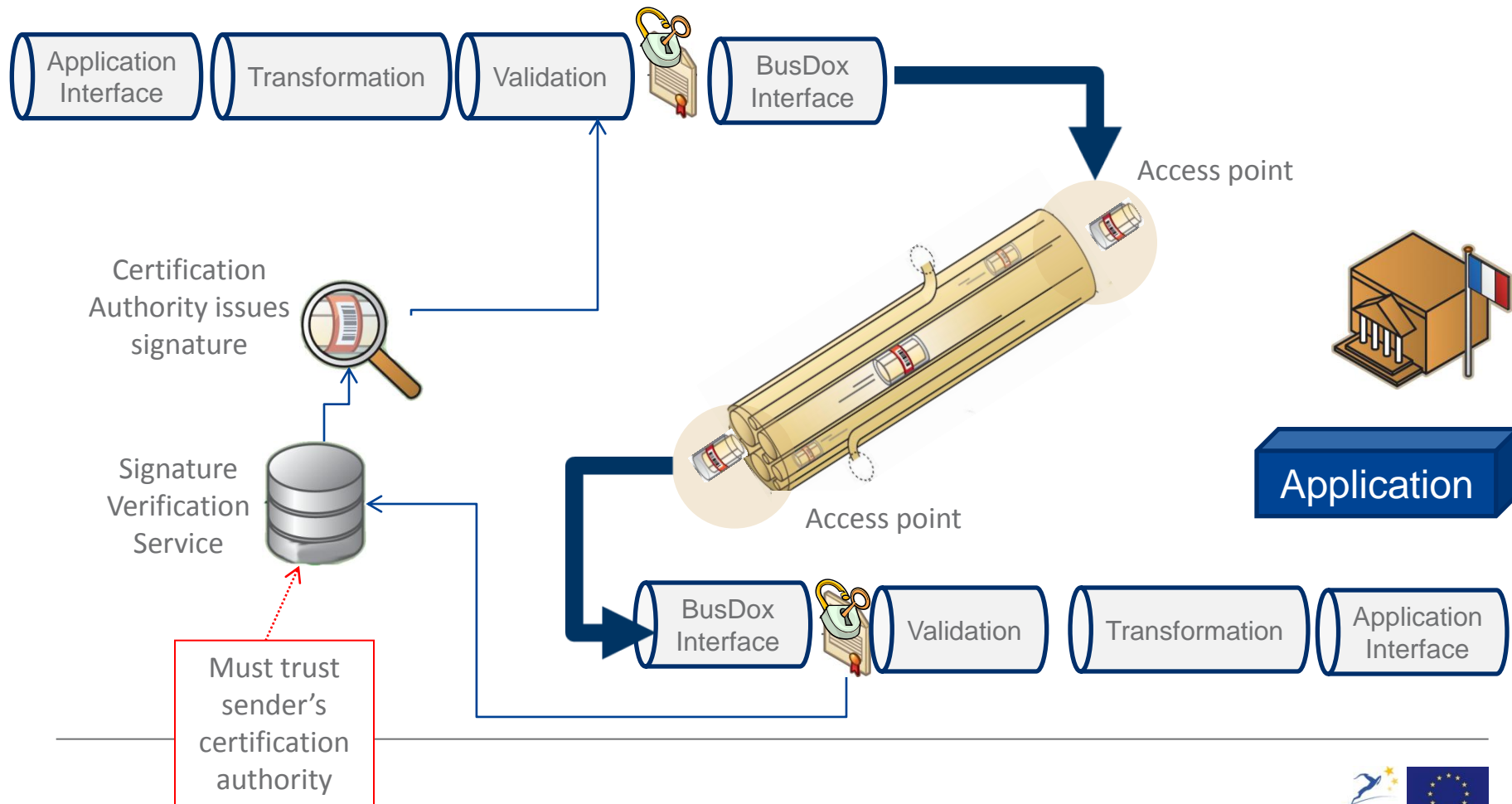


# PEPPOL post-award eProcurement Reference Architecture



# PEPPOL post-award eProcurement Solution Architecture

Application



## Infrastructure Components

### 1.) Application Interface (pilot, out of scope for PEPPOL)

- ▶▶ Business Application Interface (can include service provider)

### 2.) Transformation (pilot, out of scope for PEPPOL, except BIS format )

- ▶▶ Transformation between local format and PEPPOL supported XML format , conformant with a PEPPOL Business Interoperability Specification (BIS)

### 3.) Validation (pilot, PEPPOL scope)

- ▶▶ Validation of conformance with a PEPPOL BIS specification

### 4.) BusDox Interface/Access Point (infrastructure, PEPPOL)

- ▶▶ Interface with PEPPOL Transport Infrastructure (See PEPPOL Transport Infrastructure)

### 5.) Certification Authority issues signature (out of scope for PEPPOL)

- ▶▶ eSignature Validation (See PEPPOL eSignature Infrastructure)

### 6.) Signature Verification Service (PEPPOL scope)

- ▶▶ eSignature Validation (See PEPPOL eSignature Infrastructure)



## Use Case description

- ▶ Sender Business Application initiates a sending of a Business Document through the Business Interface\*
- ▶ The Document is transformed from local format into a PEPPOL supported XML-format, content must be conformant with a PEPPOL Business Interoperability Specification (BIS)
- ▶ To secure that the document is conformant with the PEPPOL BIS it can be validated (See Post Award eProcurement Conformance and Test)
- ▶ The document is sent through BusDox Access Point (AP) (See PEPPOL Transport Infrastructure)
- ▶ The document is received by the receiver through BusDox Access Point (AP) (See PEPPOL Transport Infrastructure)
- ▶ To secure that the document is conformant with the PEPPOL BIS it CAN be validated (See Post Award eProcurement Conformance and Test)
- ▶ The Document is transformed from PEPPOL supported format to a local format
- ▶ Receiver Business Application receives the Business Document through the Business Interface\*

\* The Business Interface can be a direct integration into the Business Application, but can also be (and will be in most cases) a third party acting on behalf of the Business Application i.e. Service Provider, VANS or other Infrastructure

- ▶▶ Transport Infrastructure between Sender eProcurement Community and Receiver eProcurement Community
  - ▶▶ See PEPPOL Transport Infrastructure
  
- ▶▶ eSignature Validation Infrastructure
  - ▶▶ See PEPPOL eSignature Infrastructure
  - ▶▶ Optional in Post Award
  
- ▶▶ CEN BII CWA, document specifications
  - ▶▶ See PEPPOL BIS specifications

- ▶▶ Central (need to have): None
- ▶▶ Decentral (need to have): None
  
- ▶▶ Central (nice to have): None
- ▶▶ Decentral (nice to have): None

- ▶▶ A PEPPOL Business Interoperability Specification (BIS) is the normative definition of process and document(s) content in the PEPPOL Core Community
- ▶▶ CEN ISSS WS/BII1 CWA's is the foundation of PEPPOL BIS.
- ▶▶ A PEPPOL BIS is an extension of a CEN BII Profile
- ▶▶ Post Award Validation Architecture is a structured approach to support validation of an instance of a document e.g. invoice, to a PEPPOL BIS

# eProcurement without borders in Europe

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