



## The eProcurement Map

A map of activities having an impact on the development of European interoperable eProcurement solutions

October 2009



European Commission  
Directorate-General for Informatics

**This paper was prepared for the IDABC Programme and ePractice by:**

Author's name: Eva Coscia, Maurizio Megliola, Cinzia Rubattino  
Company's name: TXT e-solutions s.p.a.

## Disclaimer

The views expressed in this document are purely those of the writer and may not, in any circumstances, be interpreted as stating an official position of the European Commission.

The European Commission does not guarantee the accuracy of the information included in this study, nor does it accept any responsibility for any use thereof.

Reference herein to any specific products, specifications, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favouring by the European Commission.

All care has been taken by the author to ensure that s/he has obtained, where necessary, permission to use any parts of manuscripts including illustrations, maps, and graphs, on which intellectual property rights already exist from the titular holder(s) of such rights or from her/his or their legal representative.

This paper can be downloaded from epractice:

<http://ec.europa.eu/idabc/en/document/4720/5874>

© European Communities, 2009

Reproduction is authorised, except for commercial purposes, provided the source is acknowledged.

## Table of Contents

<b>1</b>	<b>Introduction.....</b>	<b>5</b>
<b>2</b>	<b>Map of European eProcurement activities.....</b>	<b>6</b>
2.1	Projects and Initiatives supported by the European Commission .....	6
2.1.1	Evaluation of eProcurement uptake .....	6
2.1.2	eInvoicing Expert Group .....	6
2.1.3	ESSI.....	7
2.1.4	European Federated Validation Service.....	7
2.1.5	Fiscalis.....	7
2.1.6	CROBIES.....	7
2.2	Pilots .....	8
2.2.1	ePrior - eInvoicing and eOrdering Pilot.....	8
2.2.2	PEPPOL - Pan-European Public Procurement Online.....	8
2.2.3	STORK - (Secure idenTity acrOss euRope linKed) .....	10
2.3	Standardisation.....	10
2.3.1	CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe'.....	10
2.3.2	CEN/ISSS eBES - Workshop on The e-business Board for European Standardization.....	11
2.3.3	CEN/ISSS eBIF - European e-Business Interoperability Forum .....	12
2.3.4	CEN/ISSS - Workshop on eInvoicing Phase 2.....	12
2.3.5	CEN/ISSS ePPE - Implementation of electronic public procurement in Europe .....	13
2.3.6	ETSI TC/ESI .....	13
2.3.7	NES/UBL - Northern European Subset .....	13
2.3.8	OASIS TC/UBL - The Universal Business Language.....	13
2.3.9	UN/CEFACT - United Nations Centre for Trade Facilitation and Electronic Business .....	14
2.3.10	CEN/ISSS eCAT - Multilingual eCataloguing and eClassification in eBusiness .....	14
2.4	Communities and networks .....	15
2.4.1	eProcurement Forum.....	15
2.4.2	EULab - European Public Procurement Learning Lab .....	15
2.5	Ended Projects .....	15
2.5.1	eProcurement Demonstrators .....	15
2.5.2	PROCURE.....	16
2.5.3	BRITE .....	16
<b>3</b>	<b>Reference studies.....</b>	<b>17</b>
3.1	Standard Basic eOrdering Format and Data Structure .....	17
3.2	Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues .....	17
3.3	PEPPOL Infrastructure Open for Early Adopters .....	17
3.4	Functional and non-functional requirements specification for the VCD .....	17
3.5	Requirements for Use of Signatures in Public Procurement Processes .....	18
3.6	Multipart standard for Advanced Electronic Signatures for Portable Document Format (PDF) documents.....	18
3.7	Electronic Signatures as Obstacles for Cross-Border eProcurement in Europe – Lessons from the PROCURE project .....	18
3.8	Analysis of Business Requirements for eInvoicing.....	18
3.9	Mid-term report of the Expert Group on eInvoicing .....	18
3.10	Commission survey on uptake of eProcurement.....	19
3.11	eInvoicing Best practice.....	19
3.12	1st status report of the Expert Group on eInvoicing .....	19
3.13	Factsheet of PEPPOL – eProcurement pilot project .....	19
3.14	Electronic Catalogues in Electronic Public Procurement- Final Report .....	19
3.15	Compliance verification .....	19
3.16	Electronic transmission of public procurement notices for publication.....	20

3.17	IDABC XML Schemas for Public Procurement .....	20
3.18	Functional Requirements for eProcurement.....	20
3.19	Preliminary Study on eCertificates and eAttestations - Final Report and National Country Profiles .....	20
<b>4</b>	<b>Legal Acts.....</b>	<b>21</b>
4.1	eSignature Action Plan .....	21
4.2	New Common Procurement Vocabulary .....	21
4.3	eNoticing forms.....	21
4.4	eProcurement Action Plan .....	21
	<b>Acronyms .....</b>	<b>22</b>
	<b>Annex I – Table of activities related to eProcurement.....</b>	<b>23</b>
	<b>Annex II – Table of Ended Projects .....</b>	<b>32</b>
	<b>Annex III – Table of reference studies.....</b>	<b>34</b>
	<b>Annex IV – Table of referenced legal acts .....</b>	<b>36</b>

## 1 Introduction

There are a number of projects and initiatives in eProcurement in Europe tackling different subjects, issues or aspects of modernizing public procurement. Often groups of experts or individuals behind these projects are not aware of similar projects done by colleagues in the same field working in other European countries.

Therefore the eProcurement Forum, the community of eProcurement experts hosted by the ePractice portal, has gathered and analysed the key activities that have an impact on the development of electronic public procurement in Europe.

These efforts resulted in the creation of a dynamic map of these initiatives, which is provided to all the members of the eProcurement Forum and to any other expert interested in it.

The expected effect is to make all the eProcurement stakeholders aware about what is happening in the European scenario and provide a tool for easy identify "who is doing what".

The 'eProcurement Map' serves as a dynamic picture of various projects, initiatives or communities, having different targets, audiences or approaches to eProcurement.

This document represent the second version of this map which reflects what happened in the eProcurement scenario since the first version has been published 10 months ago, at the end of December 2008): some new projects have been launched, some other came to the end, new studies have been published and are available for being shared among all the eProcurement practitioners in Europe.

This second version also takes into account the comments and contributions provided by the eProcurement practitioners in Europe.

The document consists of three main sections:

- Section 2: Map of the activities, where all the activities have been described providing synthetic information on objectives, approach and contacts
- Section 3: Available studies, proposing a selection of the available results of these activities and of the reference documents produced by the European Commission
- Section 4: Relevant Legal Acts, proposing the most recent legal acts issued at European level.

## 2 Map of European eProcurement activities

This chapter summarises the key activities concerning electronic public procurement at European level.

Sections from 2.1 to 2.4 report those activities that are still running.

Section 2.5 reports those activities that appeared in the first version of the Map (issued in December 2008) but that have been closed before the preparation of the current version of the document.

The activities have been grouped into five categories: the projects directly funded and performed by the Commission services, the piloting activities, the standardisation activities, the initiatives for creating communities of experts in the eProcurement areas and the research activities funded by the Commission.

For each activity, the following pieces information are provided (whenever available):

- Acronym and name
- Short description of its objectives
- Contact persons: for privacy reasons, only the ePractice profile (see <http://www.epractice.eu/people>) has been provided whenever existing
- Information of each subproject or working group (if existing): description, contact persons,
- Topics covered by each subproject
- Related activities that are cooperating with it.

### 2.1 Projects and Initiatives supported by the European Commission

#### 2.1.1 Evaluation of eProcurement uptake

**Objective/Mission:** To evaluate the uptake of eProcurement especially with regards to the progress achieved under the 2004 Action Plan

**Sponsors or responsible organisations:** DG-MARKT

**Contacts:** J.Ferger (<http://www.epractice.eu/people/284>)

**Dates (start, end):** Q1 2008 - Q2 2010

**Approach:** evaluation

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing, eCatalogue, eAttestation, eSignature, national eProcurement plans

**More information:** <http://www.epractice.eu/node/284989>

---

#### 2.1.2 eInvoicing Expert Group

**Objective/Mission:** Commission Expert Group on eInvoicing with a mandate to propose the EEI Framework.

**Sponsors or responsible organisations:** DG-MARKT, DG-ENTR

**Contacts:** B.Harald (<http://www.epractice.eu/people/14751>)

**Dates (start, end):** Q1 2008 – Q4 2009

**More information:** [http://ec.europa.eu/enterprise/ict/policy/einvoicing/einvoicing\\_en.htm](http://ec.europa.eu/enterprise/ict/policy/einvoicing/einvoicing_en.htm)

**Sub-projects**

##### **ST 1- Regulatory Framework stream**

**Approach:** legislation revision

**Topics/phases:** eInvoicing

##### **ST2 - Business Requirements stream**

**Approach:** standardisation

**Topics/phases:** eInvoicing

##### **ST3-Networks and standards stream**

**Approach:** infrastructure/tools

**Topics/phases:** eInvoicing

---

### 2.1.3 ESSI

**Objective/Mission:** To provide the ESSI PKI services and the ESSI Application Platform to be used by the ESSI stakeholders.

**Sponsors or responsible organisations:** DIGIT

**Contacts:** P.Schneider (<http://www.epractice.eu/en/people/86664>)

**Approach:** infrastructure/tools

**Topics/phases:** eSignature

**Cooperation with:** EFVS, ETSI TC/ESI

---

### 2.1.4 European Federated Validation Service

**Objective/Mission:** Evaluation of a federated validation service acting as an intermediate trust infrastructure between the PKIs of Europe's national public administrations

**Sponsors or responsible organisations:** IDABC

**Contacts:** J. Stienen (<http://www.epractice.eu/people/7828>)

**Dates (start, end):** Q3 2008 - Q3 2009

**Approach:** Infrastructure/tools

**Topics/phases:** eSignature

**Cooperation with:** ESSI

**More information:** <http://ec.europa.eu/idabc/en/document/2318/5927>  
<http://www.epractice.eu/cases/bgca>

---

### 2.1.5 Fiscalis

**Objective/Mission:** EU Commission initiative to share good practices across Member State tax administrations.

**Sponsors or responsible organisations:** DG-TAXUD

**Contact:** D. Boublil

**Sub-projects**

**Activity "audit of invoicing"**

**Description:** Producing of audit standards (guidance paper), training standards, audit facilitation and practical compliance

**Contacts:** Joost Kuipers (<http://www.epractice.eu/people/15759>)

**Website:** <http://www.e-invoice-gateway.net/knowledgebase/eInvoiceBestPractice/>

**Approach:** standardisation

**Topics/phases:** eInvoicing

**Cooperation with:** CEN/ISSS Workshop on eInvoicing Phase 2, ePrior - eInvoicing and eOrdering Pilot, eInvoicing Expert Group - ST 1- Regulatory Framework stream

---

### 2.1.6 CROBIES

**Objective/Mission:** Study on cross-border & interoperable electronic signatures (CROBIES) supporting the EC Action Plan on eSignature and eIdentification.

**Sponsors or responsible organisations:** DG INFSO

**Contact:** G. Galler (<http://www.epractice.eu/en/people/3894>)

**Approach:** study

**Topics/phases:** eSignature

**Cooperation with:** PEPPOL, STORK.

## 2.2 Pilots

### 2.2.1 ePrior - eInvoicing and eOrdering Pilot

**Objective/Mission:** To produce business requirements for eInvoicing systems in a public procurement context and cross-border environment and set up an eInvoicing and eOrdering pilot to be used by DIGIT and some of its suppliers, including an eCatalogues module..

**Description:** Set up a prototype and run a number of pilots with suppliers to get real-life experience with eInvoicing and eOrdering; the RUP@EC methodology is applied; feasibility study and pilot on requirements for use of eCatalogues . An open source version will be made available to the MS.

**Sponsors or responsible organisations:** DIGIT, DG-MARKT, funded by IDABC

**Contacts:** A. Tosetti, head of unit DIGIT, overall project owner

D. Thunus (<http://www.epractice.eu/people/15626>)

P. Breyne (<http://www.epractice.eu/people/12256>)

**Dates (start, end):** Q2 2007 – Q4 2009

**Approach:** Pilot

**Topics/phases:** eInvoicing eOrdering eCatalogues

**Cooperation with:** PEPPOL WP5- eInvoicing, WP4 –eOrdering, WP8- Solutions architecture, design and validation, CEN/ISSS Workshop on eInvoicing Phase 2, eInvoicing Expert Group, CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe' - WG1 - Message content and business processes

**More information:** <http://www.epractice.eu/node/276914>.

### 2.2.2 PEPPOL - Pan-European Public Procurement Online

**Objective/Mission:** Large scale pilot to set up integrated solutions for cross border eProcurement

**Sponsors or responsible organisations:** DG-INFISO (CIP ICT/PSP programme)

**Contacts:** K.V.Pedersen (<http://www.epractice.eu/people/KlausVilstrupPederse>); Norwegian Agency for Public Management and eGovernment

**Dates (start, end):** Q2 2008, Q4 2011

**Sub-projects**

#### **WP1- eSignature**

**Description:** Guidelines, specifications and pilot solutions to overcome the lack of interoperability between the different national schemes for electronically signing tender documents

**Contacts:** Dr. M. Hagen (<http://www.epractice.eu/people/5417>)

**Approach:** pilot

**Topics/phases:** eSignature

**Cooperation with:** PROCURE

#### **WP2- Virtual Company Dossier**

**Description:** Interoperable solutions for economic operators in any European country to submit certificates and attestations electronically to any procurement agency

**Contacts:** M.Wimmer University of Koblenz (<http://www.epractice.eu/people/7317>)

A. Mondorf (<http://www.epractice.eu/people/11712>)

**Approach:** pilot

**Topics/phases:** eAttestation

**Cooperation with:** BRITE

#### **WP3 – eCatalogue**

**Description:** Interoperable solutions to manage eCatalogues used as part of a bid and for issuing orders in European Public eProcurement procedures

**Contacts:** G.De Stefano - CONSIP (<http://www.epractice.eu/people/12322>)



**Approach:** pilot

**Topics/phases:** eCatalogue

**Cooperation with:** CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe'

#### **WP4 – eOrdering**

**Description:** Benchmark of available solutions and implementation of pilot arrangements on the data and process level for the exchange of eOrdering documents

**Contacts:** S. Krammer (<http://www.epractice.eu/people/14289>)

**Approach:** pilot

**Topics/phases:** eOrdering

**Cooperation with:** CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe', eInvoicing and eOrdering Pilot

#### **WP5- eInvoicing**

**Description:** Benchmark existing eInvoicing solutions and implementation of pilot arrangements on the data and process level for the exchange of eInvoicing documents

**Contacts:** B. Skulason - Icelandic State Accounting Office (<http://www.epractice.eu/en/people/2601>)

**Approach:** pilot

**Topics/phases:** eInvoicing

**Cooperation with:** eInvoicing and eOrdering Pilot, CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe', eInvoicing Expert Group

#### **WP6-Project Management**

**Description:** Project Management

**Contacts:** A. Hoddevik (<http://www.epractice.eu/people/854> )

**Approach:** pilot

**Topics/phases:** Management of the Project

#### **WP7- Consensus and awareness building**

**Description:** Dissemination and consensus building around the project's achievements

**Contacts:** P. Sonntagbauer (<http://www.epractice.eu/people/Sonntagbauer>)

M. Bodiroza (<http://www.epractice.eu/people/11710>)

**Approach:** dissemination/cooperation set-up

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

#### **WP8- Solutions architecture, design and validation**

**Description:** Design and validation of the common specifications and building blocks which together will define the technical interoperability layer required to provide an operational e-business infrastructure

**Contacts:** M. H. Brun (<http://www.epractice.eu/people/1316>)

**Approach:** Infrastructure/tools

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing.

### 2.2.3 STORK - (Secure idenTity acrOss euRope linkEd)

**Description:** The role of the STORK platform is to identify a user who is in a session with a service provider, and to send his data to this service. Whilst the service provider may request various data items, the user always controls the data to be sent. The explicit consent of the owner of the data, the user, is always required before his data can be sent to the service provider..

**Objective/Mission:** The aim of the STORK project is to establish a European eID Interoperability Platform that will allow citizens and businesses to establish new e-relations across borders, just by presenting their national eID.

**Website/case:** <http://www.eid-stork.eu/>

**Sponsors or responsible organisations:** DG INFSO

**Contacts:** ePractice European eID Observatory (<http://epractice.eu/community/eureid>)

P.O. Gramstad (<http://epractice.eu/en/people/16560>)

J. Stienen (<http://epractice.eu/en/people/7828>)

**Dates (start, end):**

**Approach:** pilot

**Topics/phases:** eSignature, eID

**Cooperation with:** PEPPOL.

## 2.3 Standardisation

### 2.3.1 CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe'

**Objective/Mission:** To provide a basic framework for technical interoperability in pan-European electronic transactions, expressed as a set of technical specifications

**Sponsors or responsible organisations:** CEN/ISSS

**Contacts:** P.Borresen (<http://www.epractice.eu/people/11729>)

P. Sonntagbauer (<http://www.epractice.eu/people/Sonntagbauer>)

**More information:** <http://www.ds.dk/en-GB/Sectors/ICT/Bii/Sider/default.aspx>

#### Sub-projects

#### **WG1 - Message content and business processes**

**Description:** To review the NES specifications and the CODICE documents/ components to produce a "Common European Procurement Subset"

**Contacts:** J. Frømyr (<http://www.epractice.eu/people/12164>)

**Approach:** standardisation

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

#### **WG2 - UBL-UN/CEFACT convergence**

**Description:** To ensure that the requirements of the workshop are met by the unified business documents from UN/CEFACT

**Contacts:** M. Forsberg - ECRU consulting

**Approach:** standardisation

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

#### **WG3 - Provision of a toolbox**

**Description:** To identify collection of tools for adopting the tech specification and ensure interoperability

**Contacts:** J. L. Cueva Calabia (<http://www.epractice.eu/people/joseluiscueva>)

**Approach:** infrastructure/tools

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing  
**Cooperation with:** OASIS TC/UBL - The Universal Business Language

**WG4- Pilot support**

**Description:** To coordinate and support pilot projects on electronic procurement  
**Contacts:** M. Christensen - Logica  
**Approach:** dissemination/cooperation set-up  
**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

### 2.3.2 CEN/ISSS eBES - Workshop on The e-business Board for European Standardization

**Objective/Mission:** To define the guidelines for the implementation of electronic business through the use of modelling and XML based on the work of ebXML and taking into account the work done in UN/CEFACT

**Sponsors or responsible organisations:** CEN/ISSS

**Contacts:** K. Ginty (<http://www.epractice.eu/people/4922>)  
B. Longhi (<http://www.epractice.eu/people/2612>)  
A. Dechamps (<http://www.epractice.eu/people/11577>)

**Dates (start, end):** Q2 2006

**More information:** <http://www.cen.eu/sh/ebes>

**Sub-projects**

**EEG1/TBG1 Supply-chain and eProcurement**

**Description:** Cross-industry processes and transactions: eInvoicing, eOrdering, eCatalogues among others  
**Contacts:** M. El-Khoury (<http://www.epractice.eu/people/12948>)  
**Website:**  
<http://www.cen.eu/cenorm/businessdomains/businessdomains/iss/activity/eeg1.asp>  
**Approach:** standardisation  
**Topics/phases:** eOrdering, eInvoicing, eCatalogue

**EEG5/TBG6 Architecture, Engineering and Construction**

**Description:** eTendering Business Process Modelling  
**Approach:** standardisation  
**Topics/phases:** eTendering

**EEG13/TBG19 eGov (eNoticing)**

**Description:** to identify and formally define XML messages that can be used also at national levels, compliant with the Commission Regulation but also with UN/CEFACT and CEN  
**Contacts:** D. Hardy (<http://www.epractice.eu/people/3186>)  
**Website:** <http://www.cen.eu/cenorm/businessdomains/businessdomains/iss/activity/e-gov.asp>  
**Approach:** standardisation  
**Topics/phases:** eNoticing

**EEG13/TBG19 eGov (eArchiving)**

**Description:** to define processes and formats for the transfer of electronic records  
**Contacts:** S. Colas (<http://www.epractice.eu/people/12307>)  
**Website:** <http://www.cen.eu/cenorm/businessdomains/businessdomains/iss/activity/e-gov.asp>  
**Approach:** standardisation  
**Topics/phases:** eArchiving

### 2.3.3 CEN/ISSS eBIF - European e-Business Interoperability Forum

**Objective/Mission:** Produce strategic recommendations on standardization activities required to achieve interoperability solutions for eBusiness

**Sponsors or responsible organisations:** CEN/ISSS

**Contacts:** P. Potgieser (<http://www.epractice.eu/people/12301>)

**Dates (start, end):** Q1 2008 – Q4 2009

**Approach:** standardisation

**Topics/phases:** eTendering eAwarding eOrdering eInvoicing eCatalogue

**Cooperation with:** eInvoicing Expert Group - ST2 - Business Requirements stream

**More information:**

<http://www.cen.eu/CENORM/businessdomains/businessdomains/iss/activity/ebif.asp>

### 2.3.4 CEN/ISSS - Workshop on eInvoicing Phase 2

**Objective/Mission:** To stimulate further standardization work in the domain of electronic invoices in Europe

**Sponsors or responsible organisations:** CEN/ISSS

**Contacts:** S.Engel-Flechsing - Legal Counsel, A. Grangard - GS1

**Dates (start, end):** Q1 2007

**Cooperation with:** ETSI TC/ESI, CEN/ISSS eBES - Workshop on The e-business Board for European Standardization - TBG1 Supply-chain and eProcurement, CEN/ISSS ePPE - Implementation of electronic public procurement in Europe

**More information:** [www.cen.eu/iss/einv/](http://www.cen.eu/iss/einv/) , <http://www.e-invoice-gateway.net/>

**Sub-projects**

#### ***Group 1: adoption of eInvoicing***

**Description:** enhanced adoption of electronic invoicing in business processes in Europe

**Contacts:** G. Lindsberger

**Approach:** standardisation

**Topics/phases:** eInvoicing

#### ***Group 2: compliance with EU and National legislation***

**Description:** the compliance of electronic invoice implementations with Council Directive 2001/115/EC and the national legislation as regards electronic invoices

**Contacts:** J. Kuipers (<http://www.epractice.eu/people/15759>)

**Approach:** legislation

**Topics/phases:** eInvoicing

#### ***Group 3: Authentication and Integrity***

**Description:** the cost-effective authentication and integrity of electronic invoices regardless of formats and technologies

**Contacts:** J. Borendal

**Topics/phases:** eInvoicing

#### ***Group 4: technologies and business processes***

**Description:** the effective implementation of compliant electronic invoice systems in using emerging technologies and business processes

**Approach:** Infrastructure/tools

**Topics/phases:** eInvoicing

#### ***Group 5: Network infrastructure***

**Description:** the emerging network infrastructure of invoice operators throughout Europe.

**Contacts:** J. Häkämies

**Approach:** Infrastructure/tools

**Topics/phases:** eInvoicing

---

### 2.3.5 CEN/ISSS ePPE - Implementation of electronic public procurement in Europe

**Objective/Mission:** Interoperability in the implementation of electronic public procurement in Europe

**Sponsors or responsible organisations:** CEN/ISSS

**Approach:** standardisation

**Cooperation with:** CEN/ISSS - Workshop on eInvoicing Phase 2

---

### 2.3.6 ETSI TC/ESI

**Objective/Mission:** TC ESI is responsible for Electronic Signatures and Infrastructures standardization within ETSI.

**Sponsors or responsible organisations:** ETSI

**Contacts:** S. Compans – ETSI (<http://www.epractice.eu/en/people/86050>), [ESIsupport@etsi.org](mailto:ESIsupport@etsi.org)

**Approach:** standardisation

**Topics/phases:** eSignature

**Cooperation with:** CEN/ISSS - Workshop on eInvoicing Phase 2

**More information:** <http://portal.etsi.org/esi/el-sign.asp>

---

### 2.3.7 NES/UBL - Northern European Subset

**Objective/Mission:** A cooperation among a group of European countries and organizations to facilitate the electronic coop. in the procurement chain, based on available international standards (mainly, UBL)

**Sponsors or responsible organisations:** NES consortium

**Contacts:** J. Fromyr - EDISYS

**Approach:** standardisation

**Topics/phases:** eTendering, eOrdering, eInvoicing, ePayment, eCatalogues

**More information:** <http://www.nesubl.eu/>

---

### 2.3.8 OASIS TC/UBL - The Universal Business Language

**Objective/Mission:** UBL, the Universal Business Language, is the product of an international effort to define a royalty-free library of standard electronic XML business documents such as purchase orders and invoices

**Sponsors or responsible organisations:** OASIS

**Contacts:** J. Bosak, T. McGrath (<http://www.epractice.eu/people/12041>), Z. Rendon, J. Bryce Clark, OASIS Staff Contact

**Dates (start, end):** Q1 2001

**Approach:** standardisation

**Topics/phases:** eTendering eOrdering eInvoicing ePayment eCatalogue

**Cooperation with:** CEN/ISSS BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe'

**More information:** [http://www.oasis-open.org/committees/tc\\_home.php?wg\\_abbrev=ubl](http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl)

### 2.3.9 UN/CEFACT - United Nations Centre for Trade Facilitation and Electronic Business

**Objective/Mission:** To encourages close collaboration between governments and private business to secure the interoperability for the exchange of information within the public and private sectors as well as between them

**Sponsors or responsible organisations:** UNECE

**Contacts:** M. Doran, A. Grangard (<http://www.epractice.eu/people/13432>)

**Approach:** standardisation

**More information:** <http://www.unece.org/cefact/>

**Sub-projects**

#### **TBG1 - Supply Chain**

**Description:** cross-industry eInvoicing and eOrdering schemas

**Contacts:** C. Janssen, GS1 Netherlands

**Topics/phases:** eOrdering, eInvoicing

**Cooperation with:** OASIS TC/UBL - The Universal Business Language, TBG19 – eGovernment, CEN/ISSS eBES - Workshop on The eBusiness Board for European Standardization

#### **TBG6 - Construction**

**Description:** elaboration of eTendering schemas

**Topics/phases:** eTendering

**Cooperation with:** TBG19 – eGovernment, CEN/ISSS eBES - Workshop on The e-business Board for European Standardization

#### **TBG19 - eGovernment**

**Contacts:** J.P. Henninot (<http://www.epractice.eu/people/12648>)

S. Colas (<http://www.epractice.eu/people/12307>)

### 2.3.10 CEN/ISSS eCAT - Multilingual eCataloguing and eClassification in eBusiness

**Objective/Mission:** The Workshop eCAT was re-launched in 2008 with a proposed duration of two years. The Workshop's main deliverable will be two CEN Workshop Agreements (CWAs):

- 1) ePPS project will deliver a CWA on «Guidelines for the design, implementation and operation of a product property server».
- 2) CC3P project will deliver a CWA containing an analysis of the main classification systems used in Europe (CPV, eCI@ss, GPC and UNSPCSC).

**Sponsors or responsible organisations:** CEN/ISSS

**Contacts:** Dr C. Galinski Infoterm - International Information Centre for Terminology

**Dates (start, end):** Q1 2008, Q2 2010

**Cooperation with:** PEPPOL (mainly the CC3P), CEN BII, CEB eBIF

**More information:** [http://www.cen.eu/cenorm/sectors/sectors/iss/activity/wsecat\\_epps.asp](http://www.cen.eu/cenorm/sectors/sectors/iss/activity/wsecat_epps.asp)

**Sub-projects**

#### **ePPS - Electronic Product Property Server**

**Description:** deals with guidelines for the design, implementation and operation of a product property server.

**Approach:** standardisation

**Contacts:** Dr. F. Rieger – DIN - Terms of reference:

<http://www.cen.eu/cenorm/sectors/sectors/iss/activity/wsecateppstorsv2.pdf>

**Topics/phases:** eCatalogue

**Cooperation with:** OASIS

### **CC3P-Classification and Catalogue Systems for Public and Private Procurement**

**Description:** CC3P analyses the classification systems used in Europe for public procurement (CPV – Common Procurement Vocabulary) and some used in the private sector (UNSPSC, GPC and eCI@ss). CC3P will propose harmonization, mapping methodologies, recommendation on their use in electronic catalogues and areas of improvement in the CPV.

**Approach:** standardisation

**Contacts:** Mr T.Hittema - Terms of reference:

<http://www.cen.eu/cenorm/sectors/sectors/iss/activity/wsecatcc3ptorsv2clean.pdf>

**Topics/phases:** eCatalogue

## **2.4 Communities and networks**

### **2.4.1 eProcurement Forum**

**Objective/Mission:** Community of practitioners for the exchange of eProcurement knowledge and experience

**Sponsors or responsible organisations:** IDABC

**Contacts:** E.Castrillejo (<http://www.epractice.eu/people/emilio>)

**Dates (start, end):** Q1 2008

**Approach:** dissemination/cooperation set-up

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

**More information:** <http://epractice.eu/community/eprocurement>

### **2.4.2 EULab - European Public Procurement Learning Lab**

**Objective/Mission:** To compare the activities and to share useful knowledge among the European procurement agencies

**Sponsors or responsible organisations:** Consip - Italy

**Contacts:** G.L.Albano (<http://www.epractice.eu/people/12471>)

**Dates (start, end):** Q4 2003

**Approach:** dissemination/cooperation set-up

**Topics/phases:** eNoticing, eTendering, eAwarding, eOrdering, eInvoicing

**More information:** <http://www.consip.it/on-line/Home/Studieprogetti/Progetti/Eulab.html>

## **2.5 Ended Projects**

### **2.5.1 eProcurement Demonstrators**

**Name:** IDABC eProcDemos

**Website/case:** <http://www.epractice.eu/node/276758>

**Sponsor or responsible organisations:** IDABC

**Objective/Mission:** Demonstrators to help software editors and CAs in Europe to develop eProcurement systems in line with the EU legislative framework

**Project Contact:** E. Castrillejo, public profile: <http://www.epractice.eu/en/people/emilio>

**Dates (start, end):** Q1 2005 – Q2 2009. Project finalised, updated and available for use.

**Approach:** guidance

**Topics/phases:** eNoticing, eTendering



---

## 2.5.2 PROCURE

**Website/case:** [www.eten-procure.com](http://www.eten-procure.com)

**Sponsor or responsible organisations:** Burgundy Regional Council

**Objective/Mission:** Adapt the Burgundy region solution to enable its usage in other European countries by conducting several pilots

**Project Contact:** L.F. Fleri, <http://www.epractice.eu/people/12246>

**Dates (start, end):** Q4 2007 – Q1 2009

**Approach:** pilot

**Topics/phases:** eTendering eAwarding eOrdering eInvoicing

**Existing cooperation with:** PEPPOL

---

## 2.5.3 BRITE

**Name:** BRITE

**Website/case:** <http://www.epractice.eu/cases/BriteCBD>

**Sponsor or responsible organisations:** European Business Register - Belgium

**Objective/Mission:** Creation of the "Brite Common Business Dossier": an electronic document package carrying the certificates and attestations required in the European eProcurement

**Contacts:** V. Gianella (<http://www.epractice.eu/people/136>)

**Dates (start, end):** Q1 2006 – Q1 2009

**Sub-projects**

***Service Case 3: Support for eProcurement Take-up***

**Approach:** Infrastructure/tools

**Topics/phases:** eAttestation

**Contacts:** P. Milani (<http://www.epractice.eu/people/1169>)

**Cooperation with:** PEPPOL WP2- Virtual Company Dossier



### 3 Reference studies

This section contains a selection of reports produced by the initiatives listed above plus key reference documents produced by the European Commission in the last period.

For each study, the following information is provided:

- Document name
- Author or main responsible
- Summary of the content
- Link for downloading

A complete list of documents relevant for the eProcurement and related topics is available at <http://epractice.eu/eprocurement>

Please note that the CEN/ISSS results (CWAs) cannot be freely uploaded on ePractice: thus please refer to the website of each single workshop to access the produced CWAs.

#### **3.1 *Standard Basic eOrdering Format and Data Structure***

**Date:** July 2009

**Produced by:** PEPPOL

**Subproject:** WP4

**Other contributors:** work done in close connection with CEN/ISSS BII.

**Description:** The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.

**Download:** <http://www.epractice.eu/en/library/293106>

---

#### **3.2 *Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues***

**Date:** July 2009

**Produced by:** PEPPOL

**Subproject:** WP3

**Description:** The deliverable documents the first activities of PEPPOL-WP 3 concerning the analysis of existing studies and initiatives, as well as legal frameworks at European and national levels which may have any relevance for eCatalogues. Therefore, the first activities of WP 3 comprised the analysis, synthesis and assessment of existing reports and documents.

**Download:** <http://www.epractice.eu/en/library/293105>

---

#### **3.3 *PEPPOL Infrastructure Open for Early Adopters***

**Date:** May 2009

**Produced by:** PEPPOL

**Subproject:** WP8

**Description:** Version 0.8 of the PEPPOL infrastructure (Pan European Public Procurement) has been released on 1 May 2009. The release includes a simple demonstrator business application in addition to open source software libraries and other components.

**Download:** <http://www.epractice.eu/en/news/289667>

---

#### **3.4 *Functional and non-functional requirements specification for the VCD***

**Date:** May 2009

**Produced by:** PEPPOL

**Subproject:** WP2

**Description:** The deliverable documents the first activities of PEPPOL-WP 2 concerning the analysis, synthesis and assessment of existing company dossier structures of individual Member States and the achievements of previously run studies from the DG-MARKT or other relevant EU bodies, and initiatives like the EU-co-funded BRITE project.

**Download:** <http://www.epractice.eu/en/library/292099>

---

### **3.5 Requirements for Use of Signatures in Public Procurement Processes**

**Date:** April 2009

**Produced by:** PEPPOL

**Description:** It is the first version of functional specifications for cross-border interoperability of eSignature in Europe. The specifications are specifically targeted at cross-border public procurement, the topic of Pan-European Public Procurement On-Line (PEPPOL).

**Download:** <http://www.epractice.eu/en/library/292100>

---

### **3.6 Multipart standard for Advanced Electronic Signatures for Portable Document Format (PDF) documents**

**Date:** September 2009

**Produced by:** ETSI TC/ESI

**Description:** The standard defines a series of profiles for PAdES - Advanced Electronic Signatures for Portable Document Format (PDF) documents.

**Download:** <http://www.epractice.eu/en/news/293700>

---

### **3.7 Electronic Signatures as Obstacles for Cross-Border eProcurement in Europe – Lessons from the PROCURE project**

**Date:** June 2009

**Produced by:** PROCURE

**Description:** This article analyses success-factors and barriers for eSignature cross-border adoption from a legal point of view and makes recommendations for European legislation and individual measures to better align national regulations and the mutual recognition of eSignatures in eProcurement among the Member States are made.

**Download:** <http://www.epractice.eu/en/library/292080>

---

### **3.8 Analysis of Business Requirements for eInvoicing**

**Date:** March 2009

**Produced by:** ePrior-eInvoicing and eOrdering Pilot

**Description:** The report is one of the deliverables of the IDABC eInvoicing & eOrdering pilot project; it contains the results of the business requirements gathering process for eInvoicing in a public procurement context.

**Download:** <http://epractice.eu/en/library/288906>

---

### **3.9 Mid-term report of the Expert Group on eInvoicing**

**Date:** January 2009

**Produced by:** eInvoicing Expert Group

**Description:** This mid-term report outlines the progress made during the first year of the mandate of the Expert Group on eInvoicing

**Download:** <http://epractice.eu/en/library/281899>

---

### **3.10 Commission survey on uptake of eProcurement**

**Date:** October 2008

**Produced by:** DG-MARKT

**Description:** Commission launches survey to assess up-take and experience of practitioners

**Download:** <http://www.epractice.eu/node/284989>

---

### **3.11 eInvoicing Best practice**

**Date:** July 2008

**Produced by:** CEN/ISSS - Workshop on eInvoicing Phase 2

**Description:** Guidelines (Excel file) and Commentary - Draft version

**Remarks:** With cooperation of Fiscalis

**Download:** <http://www.epractice.eu/node/281857>

---

### **3.12 1st status report of the Expert Group on eInvoicing**

**Date:** January 2008

**Produced by:** eInvoicing Expert Group

**Description:** Status report from the Expert Group on eInvoicing

**Download:** <http://www.epractice.eu/node/281818>

---

### **3.13 Factsheet of PEPPOL – eProcurement pilot project**

**Date:** May 2008

**Produced by:** PEPPOL

**Description:** a description of the objectives, structure and expected impacts of this pilot project named PEPPOL.

**Remarks:**

**Download:** <http://www.epractice.eu/node/281809>

---

### **3.14 Electronic Catalogues in Electronic Public Procurement- Final Report**

**Date:** November 2007

**Produced by:** DG-MARKT

**Description:** The study consists of 3 volumes:

Volume I – eCatalogues: Report on the state of play;

Volume II - eCatalogues: Report on standardisation activities;

Volume III – eCatalogues: Report on preliminary functional requirements.

**Remarks:** study funded by IDABC

**Download:** <http://www.epractice.eu/node/281801>

---

### **3.15 Compliance verification**

**Date:** October 2007

**Produced by:** DG-MARKT

**Description:** Report of a study for the identification, analysis and comparison of optimum mechanisms for verifying the compliance of tools and systems with the requirements of the public procurement Directives

**Download:** <http://www.epractice.eu/node/281800>

---

### **3.16 Electronic transmission of public procurement notices for publication**

**Date:** September 2007

**Produced by:** DG-MARKT

**Description:** A study to determine different scenarios for introducing a system of mandatory eNotification in a coherent regulatory and technical environment.

**Download:** <http://www.epractice.eu/node/281802>

---

### **3.17 IDABC XML Schemas for Public Procurement**

**Date:** January 2005

**Produced by:** IDABC

**Description:** The eProcurement XML schemas initiative aims at proposing a set of generic XML schemas to support the automation of data exchanges in the different phases of electronic public procurement.

**Download:** <http://www.epractice.eu/node/281836>

---

### **3.18 Functional Requirements for eProcurement**

**Date:** January 2005

**Produced by:** DG-MARKT

**Description:** Report on Functional Requirements for conducting eProcurement under the EU framework

**Remarks:** study funded by IDABC

**Download:** <http://www.epractice.eu/node/281505>

---

### **3.19 Preliminary Study on eCertificates and eAttestations - Final Report and National Country Profiles**

**Date:** September 2008

**Produced by:** DG-MARKT

**Description:** The goal of the study is to identify if and how electronic certificates and attestations are currently issued, accepted and validated in public procurement procedures across the EU and EEA. The report consists of two volumes: Volume 1-Country reports Volume 2-Final Report

**Remarks:** study funded by IDABC

**Download:** <http://www.epractice.eu/node/281843>

## 4 Legal Acts

### 4.1 *eSignature Action Plan*

**Date:** November 2008

**Produced by:** DG-MARKT

**Description:** Action Plan on eSignature and identification to facilitate the provision of crossborder public services in the Single Market

**Download:** <http://www.epractice.eu/node/281876>

---

### 4.2 *New Common Procurement Vocabulary*

**Date:** November 2007

**Produced by:** DG-MARKT

**Description:** New version of Common Procurement Vocabulary (CPV) used to describe the subject of procurement contracts.

**Download:** <http://www.epractice.eu/node/281871>

---

### 4.3 *eNoticing forms*

**Date:** October 2005

**Produced by:** DG-MARKT

**Description:** Standard forms for the publication of procurement notices

**Download:** <http://www.epractice.eu/node/281633>

---

### 4.4 *eProcurement Action Plan*

**Date:** December 2004

**Produced by:** DG-MARKT

**Description:** Action plan for the implementation of the legal framework for electronic public procurement

**Remarks:**

**Download:** <http://www.epractice.eu/node/281022>

## Acronyms

Acronym	Description
BGCA	Bridge/Gateway Certification Authority
BII	Business Interoperability Interfaces
CA	Contracting Authority
CEN	European Committee for Standardization
CEN	European Committee for Standardization
CPV	Common Procurement Vocabulary
DG-DIGIT	Directorate General Information Technology
DG-ENTR	Directorate General Enterprise
DG-INFSO	Directorate General Information and Society
DG-MARKT	Directorate General for Internal Market
DG-TAXUD	Directorate General for Taxation and Customs
eBES	CEN/ISSS Workshop on The e-business Board for European Standardization
eBIF	European e-Business Interoperability Forum
EEA	European Economic Area
EEI	European Electronic Invoicing
ePPE	Electronic public procurement in Europe
ePRIOR	IDABC eInvoicing and eOrdering project for public procurement
EULab	European Public Procurement Learning Lab
ICT/PSP	Information Communication Technologies Policy support Programme
IDABC	Interoperable Delivery of European eGovernment Services to public Administrations, Business and Citizens
ISSS	Information Society Standardization System
NES	Notthern European Subset
OASIS	Organization for the Advancement of Structured Information Standards
PKI	Public Key Infrastructure
TC/UBL	Universal Business Language (UBL) Technical Committee
UBL	The Universal Business Language
UN/CEFACT	United Nations Centre for Trade Facilitation and Electronic Business
WP	Work programme

## Annex I – Table of activities related to eProcurement

Map of Activities related to eProcurement											
Acr.	Name	Website/case	sponsor respons	Objective/Mission	Project Contact	Sub-project	Approach	topics/ phases	Short description	Sub-project contact/website	existing coop. with
<b>Commission Projects and Initiatives</b>											
<b>eINV EG1</b>	<b>eInvoicing Expert Group</b>	<a href="http://ec.europa.eu/enterprise/ict/policy/einvoicing/einvoicing_en.htm">http://ec.europa.eu/enterprise/ict/policy/einvoicing/einvoicing_en.htm</a>	DG-MARKT, DG-ENTR	Commission Expert Group on eInvoicing with a mandate to propose the EEI Framework.	Chairman: B.Harald - <a href="http://www.epractice.eu/people/14751">http://www.epractice.eu/people/14751</a>	ST 1- Regulatory Framework stream	legislation revision	eInvoicing			
<b>eINV EG2</b>						ST2 - Business Requirements stream	standardisation	eInvoicing			
<b>eINV EG3</b>						ST3-Networks and standards stream	infrastructure/ tools	eInvoicing			
<b>Essi</b>	<b>ESSI</b>		DIGIT	To provide the ESSI PKI services and the ESSI Application Platform to be used by the ESSI stakeholders	P.Schneider		infrastructure/ tools	eSignature			EFVS
<b>APEval</b>	<b>Evaluation of eProc uptake</b>	<a href="http://www.epractice.eu/node/284989">http://www.epractice.eu/node/284989</a>	DG-MARKT	To evaluate the uptake of eProcurement especially with regards to the progress achieved under the 2004 Action Plan	J.Ferger Public profile: <a href="http://www.epractice.eu/people/284">http://www.epractice.eu/people/284</a>		evaluation	eNoticing eTendering eAwarding eOrdering eInvoicing eCatalogue eAttestation eSignature			

									national eProcurement plans			
<b>EFVS</b>	<b>European Federated Validation Service (ex Bridge/Gateway Certification Authority - BGCA)</b>	<a href="http://ec.europa.eu/idabc/en/document/2318/5927">http://ec.europa.eu/idabc/en/document/2318/5927</a> <a href="http://www.epractice.eu/cases/bgca">http://www.epractice.eu/cases/bgca</a>	IDABC	Evaluation of a federated validation service acting as an intermediate trust infrastructure between the PKIs of Europe's national public administrations	J. Stienen - <a href="http://www.epractice.eu/people/7828">http://www.epractice.eu/people/7828</a>		Infrastructure/tools	eSignature				Essi
<b>Fiscalis</b>	<b>Fiscalis</b>		DG-TAXUD	EU Commission initiative to share good practices across Member State tax administrations.	D. Boubilil	Activity "audit of invoicing"	standardisation	eInvoicing	Producing of audit standards (guidance paper), training standards, audit facilitation and practical compliance	J. Kuipers <a href="http://www.e-invoice-gateway.net/knowledgebase/elinvoiceBestPractice/">http://www.e-invoice-gateway.net/knowledgebase/elinvoiceBestPractice/</a>		eInv2, eInvPlt, eInvEG1
<b>CRO</b>	<b>CROBIES</b>		DG INFISO	Study on cross-border & interoperable electronic signatures (CROBIES) supporting the EC Action Plan on eSignatures and identification	G. Galler Public profile: <a href="http://www.epractice.eu/en/people/3894">http://www.epractice.eu/en/people/3894</a>		study	eSignature				PEPPOL, STORK



Pilots											
ePrior	ePrior-invoicing and eOrdering Pilot	<a href="http://www.epractice.eu/nod/e/276914">http://www.epractice.eu/nod/e/276914</a>	IDABC, DIGIT, DG-MARKT	To produce business requirements for eInvoicing systems in a public procurement context and cross-border environment and set up an eInvoicing and eOrdering pilot to be used by DIGIT and some of its suppliers.	A. Tosetti, head of unit DIGIT, D. Thunus, DIGIT, Public profile: <a href="http://www.epractice.eu/people/15626">http://www.epractice.eu/people/15626</a> P. Breyne, Public profile: <a href="http://www.epractice.eu/people/12256">http://www.epractice.eu/people/12256</a>		pilot	eInvoicing eOrdering	Set up a prototype and run a number of pilots with suppliers to get real-life experience with eInvoicing and eOrdering; the RUP@EC methodology is applied		PPL WP5, WP4 and WP8 eINV EG BII WG1 eINV2
PPL WP1	PEPPOL	<a href="http://www.peppol.eu">www.peppol.eu</a>	DG-INFISO (CIP ICT/PSP programme)	Large scale pilot to set up integrated solutions for cross border eProcurement	Coordinator: Norwegian Agency for Public Management and eGovernment		pilot	eSignature	Guidelines, specifications and pilot solutions to overcome the lack of interoperability between the different national schemes for electronically signing tender documents	M. Hagen <a href="http://www.epractice.eu/people/5417">http://www.epractice.eu/people/5417</a> Free Hanseatic City of Bremen	PROCURE
PPL WP2									WP2- Virtual Company Dossier	Interoperable solutions for economic operators in any European country to submit certificates and attestations electronically to any procurement agency	M. Wimmer University of Koblenz <a href="http://www.epractice.eu/people/7317">http://www.epractice.eu/people/7317</a> A. Mondorf <a href="http://www.epractice.eu/people/11712">http://www.epractice.eu/people/11712</a> peppol@uni-koblenz.de

<b>PPL WP3</b>							Interoperable solutions to manage eCatalogues used as part of a bid and for issuing orders in European Public eProcurement procedures	G.De Stefano - CONSIP <a href="http://www.epractic.eu/people/12322">http://www.epractic.eu/people/12322</a>	CEN/BII
<b>PPL WP4</b>							Benchmark of available solutions and implementation of pilot arrangements on the data and process level for the exchange of eOrdering documents	S. Krammer <a href="http://www.epractic.eu/people/14289">http://www.epractic.eu/people/14289</a>	CEN/BII, eInvPlt
<b>PPL WP5</b>							Benchmark existing eInvoicing solutions and implementation of pilot arrangements on the data and process level for the exchange of eInvoicing documents	K. Pedersen Danish National IT and Telecom Agency <a href="http://www.epractic.eu/people/KlausVilstrupPedersen">http://www.epractic.eu/people/KlausVilstrupPedersen</a>	eInvPlt, CEN/BII, eINV EG
<b>PPL WP6</b>							Project management	A. Hoddevik <a href="http://www.epractic.eu/people/854">http://www.epractic.eu/people/854</a>	
<b>PPL WP7</b>							Dissemination and consensus building around the project's achievements	P. Sonntagbauer <a href="http://www.epractic.eu/people/Sonntagbauer">http://www.epractic.eu/people/Sonntagbauer</a> M. Bodiroza <a href="http://www.epractic.eu/people/11710">http://www.epractic.eu/people/11710</a>	
<b>PPL WP8</b>							Design and validation of the common specifications and building blocks which together will define the technical interoperability layer required to provide an operational e-business infrastructure	M. H. Brun <a href="http://www.epractic.eu/people/1316">http://www.epractic.eu/people/1316</a>	

<b>Stork</b>	<b>STORK- (Secure idenTity acrOss euRope linKed)</b>	<a href="http://www.eid-stork.eu/">http://www.eid-stork.eu/</a>	DG INFSO	The aim of the STORK project is to establish a European eID Interoperability Platform that will allow citizens and businesses to establish new e-relations across borders, just by presenting their national eID.	ePractice European eID Observatory <a href="http://epractice.eu/community/eureid">http://epractice.eu/community/eureid</a> P.O. Gramstad Public profile: <a href="http://epractice.eu/en/people/16560">http://epractice.eu/en/people/16560</a> J. Stienen public profile <a href="http://epractice.eu/en/people/7828">http://epractice.eu/en/people/7828</a>	Pilot	eSignature eID	The STORK platform identifies a user who is in a session with a service provider, and to send his data to this service. Whilst the service provider may request various data items, the user always controls the data to be sent.	PEPPOL		
<b>Standardisation</b>											
<b>BII1</b>	<b>CEN/ISS BII</b>	<a href="http://www.ds.dk/en-GB/Sectors/ICT/Bii/Sider/default.aspx">http://www.ds.dk/en-GB/Sectors/ICT/Bii/Sider/default.aspx</a>	CEN/ISS	to provide a basic framework for technical interoperability in pan-European electronic transactions, expressed as a set of technical specifications	Mr. P. Borresen <a href="http://www.epractice.eu/people/1729">http://www.epractice.eu/people/1729</a>  Mr. P. Sonntagbauer <a href="http://www.epractice.eu/people/Sonntagbauer">http://www.epractice.eu/people/Sonntagbauer</a>	WG1 - Message content and business processes	standardisation	eNoticing eTendering eAwarding eOrdering eInvoicing	To review the NES specifications and the CODICE documents/ components to produce a "Common European Procurement Subset"	J. Frømyr EdiSys <a href="http://www.epractice.eu/people/12164">http://www.epractice.eu/people/12164</a>	
<b>BII2</b>						WG2 - UBL- UN/CEFACT convergence	standardisation	eNoticing eTendering eAwarding eOrdering eInvoicing	To ensure that the requirements of the workshop are met by the unified business documents from UN/CEFACT	Mr. M. Forsberg - ECRU consulting	UBL
<b>BII3</b>						WG3 - Provision of a toolbox	infrastructure/ tools	eNoticing eTendering eAwarding eOrdering eInvoicing	To identify collection of tools for adopting the tech specification and ensure interoperability	J. L. Cueva Calabria - <a href="http://www.epractice.eu/people/jo seluiscueva">http://www.epractice.eu/people/jo seluiscueva</a>	
<b>BII4</b>						WG4- Pilot support	dissemination/ cooperation set-up	eNoticing eTendering eAwarding eOrdering eInvoicing	To coordinate and support pilot projects on electronic procurement	M. Christensen - Logica	

eBES	CEN/ISSS eBES	<a href="http://www.cen.eu/sh/ebes">http://www.cen.eu/sh/ebes</a>	CEN/ISSS	To define the guidelines for the implementation of electronic business through the use of modelling and XML based on the work of ebXML and taking into account the work done in UN/CEFACT	K. Ginty, <a href="http://www.epractice.eu/people/4922">http://www.epractice.eu/people/4922</a> B. Longhi <a href="http://www.epractice.eu/people/2612">http://www.epractice.eu/people/2612</a> A. Dechamps, <a href="http://www.epractice.eu/people/11577">http://www.epractice.eu/people/11577</a>	EEG1/TBG1 Supply-chain and eProcurement	standardisation	eOrdering eInvoicing eCatalogue	Cross-industry processes and transactions: eInvoicing, eOrdering, eCatalogues among others	El-Khoury <a href="http://www.epractice.eu/people/12948">http://www.epractice.eu/people/12948</a> <a href="http://www.cen.eu/cenorm/businessdomains/businessdomains/issuessdomains/issuessdomains/activity/eeg1.asp">http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/activity/eeg1.asp</a>
					EEG5/TBG6 Architecture, Engineering and Construction	standardisation	eTendering	eTendering Business Process Modelling		
					EEG13/TBG19 eGov (eNoticing)	standardisation	eNoticing	to identify and formally define XML messages that can be used also at national levels, compliant with the Commission Regulation but also with UN/CEFACT and CEN	D. Hardy <a href="http://www.epractice.eu/people/3186">http://www.epractice.eu/people/3186</a> <a href="http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp">http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp</a>	
					EEG13/TBG19 eGov (eArchiving)	standardisation	eArchiving	to define processes and formats for the transfer of electronic records	S. Colas <a href="http://www.epractice.eu/people/12307">http://www.epractice.eu/people/12307</a> <a href="http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp">http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp</a>	

eBIF	CENN/ISSS eBIF (European e-Business Interoperability Forum)	<a href="http://www.cen.eu/CENORM/businessdomains/businessdomains/issssdomains/issssdomains/activity/ebif.asp">http://www.cen.eu/CENORM/businessdomains/businessdomains/issssdomains/issssdomains/activity/ebif.asp</a>	CEN/ISSS	Produce strategic recommendations on standardization activities required to achieve interoperability solutions for eBusiness	P. Potgieser, <a href="http://www.epractic.eu/people/12301">http://www.epractic.eu/people/12301</a>		standardisation	eTendering eAwarding eOrdering eInvoicing eCatalogue			eINV EG2
eInv2	CENN/ISSS eInvoicing Phase 2	<a href="http://www.cen.eu/iss/einv/">www.cen.eu/iss/einv/</a> <a href="http://www.e-invoice-gateway.net/">http://www.e-invoice-gateway.net/</a>	CEN/ISSS	To stimulate further standardization work in the domain of electronic invoices in Europe	S.Engel-Flechsing A. Grangard	Group 1: adoption of eInvoicing	standardisation	eInvoicing	enhanced adoption of electronic invoicing in business processes in Europe	G. Lindsberger	ESI eBES/EEG 1 ePPE
						Group 2: compliance with EU and National legislation	legislation	eInvoicing	the compliance of electronic invoice implementations with Council Directive 2001/115/EC and the national legislation as regards electronic invoices	J. Kuipers <a href="http://www.epractic.eu/people/15759">http://www.epractic.eu/people/15759</a>	
						Group 3: Authentication and Integrity		eInvoicing eSignature	the cost-effective authentication and integrity of electronic invoices regardless of formats and technologies	J. Borendal	
						Group 4: technologies and business processes	Infrastructure/ tools	eInvoicing	the effective implementation of compliant electronic invoice systems in using emerging technologies and business processes		
						Group 5: Network infrastructure	Infrastructure/ tools	eInvoicing	the emerging network infrastructure of invoice operators throughout Europe.	J. Håkämies	

<b>ePPE</b>	<b>CEN/ISSS ePPE (Implementation of electronic public procurement in Europe)</b>	-	CEN/ISSS	Interoperability in the implementation of electronic public procurement in Europe	-		standardisation				eInv2
<b>ESI</b>	<b>ETSI TC/ESI</b>	<a href="http://portal.etsi.org/esi/el-sign.asp">http://portal.etsi.org/esi/el-sign.asp</a>	ETSI	TC ESI is responsible for Electronic Signatures and Infrastructures standardization within ETSI.	C. Rizzo ESIsupport@etsi.org		standardisation	eSignature			eInv2
<b>NES</b>	<b>NES/UBL (Northern European Subset)</b>	<a href="http://www.nesubl.eu/">http://www.nesubl.eu/</a>	NES consortium	A cooperation among a group of European countries and organizations to facilitate the electronic coop. in the procurement chain, based on available international standards (mainly, UBL)	J. Fromyr - EDISYS		standardisation	eTendering eOrdering eInvoicing ePayment eCatalogue			
<b>UBL</b>	<b>OASIS TC/UBL (The Universal Business Language)</b>	<a href="http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl">http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl</a>	OASIS	UBL, the Universal Business Language, is the product of an international effort to define a royalty-free library of standard electronic XML business documents such as purchase orders and invoices	J. Bosak, T. McGrath <a href="http://www.epractic.eu/people/12041">http://www.epractic.eu/people/12041</a> Z. Rendon, J. Bryce Clark, OASIS Staff Contact		standardisation	eTendering eOrdering eInvoicing ePayment eCatalogue			BII

<b>UNCEFACT</b>	<b>UN/CEFACT (United Nations Centre for Trade Facilitation and Electronic Business)</b>	<a href="http://www.un.org/cefact/">http://www.un.org/cefact/</a>	UNECE	To encourages close collaboration between governments and private business to secure the interoperability for the exchange of information within the public and private sectors as well as between them	M. Doran UN/Cefact A. Grangard <a href="http://www.epractice.eu/people/13432">http://www.epractice.eu/people/13432</a>	TBG1 - Supply Chain	standardisation	eOrdering eInvoicing	cross-industry eInvoicing and eOrdering schemas	Coen Janssen, GS1 Netherlands	UBL, TBG19, eBES
						TBG3	standardisation				
						TBG5	standardisation			J. Whittle	
						TBG6 - Construction	standardisation	eTendering	elaboration of eTendering schemas		TBG19, eBES
						TBG19 - eGovernment	standardisation			J.P. Henninot <a href="http://www.epractice.eu/people/12648">http://www.epractice.eu/people/12648</a> S. Colas <a href="http://www.epractice.eu/people/12307">http://www.epractice.eu/people/12307</a>	
<b>Communities and networks</b>											
<b>EULab</b>	<b>EULab</b>	<a href="http://www.consip.it/on-line/Home/Studioprogetti/Progetti/Eulab.html">http://www.consip.it/on-line/Home/Studioprogetti/Progetti/Eulab.html</a>	Consp - Italy	To compare the activities and to share useful knowledge among the European procurement agencies	G.L.Albano <a href="http://www.epractice.eu/people/12471">http://www.epractice.eu/people/12471</a>		dissemination/ cooperation set-up	eNoticing eTendering eAwarding eOrdering eInvoicing			
<b>Forum</b>	<b>eProcurement Forum</b>	<a href="http://epractice.eu/community/eprocurement">http://epractice.eu/community/eprocurement</a>	IDABC	Community of practitioners for the exchange of eProcurement knowledge and experience	E.Castrillejo <a href="http://www.epractice.eu/people/emilio">http://www.epractice.eu/people/emilio</a>		dissemination/ cooperation set-up	eNoticing eTendering eAwarding eOrdering eInvoicing			

## Annex II – Table of Ended Projects

Map of Activities related to eProcurement											
Acr.	Name	Website/case	sponsor respons	Objective/Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
<b>Commission Projects and Initiatives</b>											
<b>eProcDemos</b>	<b>IDABC eProcDemos &amp; helpdesk</b>	<a href="http://www.epractice.eu/nod/e/276758">http://www.epractice.eu/nod/e/276758</a>	IDABC-DG MARKT	Demonstrators to help software editors and CAs in Europe to develop eProcurement systems in line with the EU legislative framework	E. Castrillejo public profile: <a href="http://www.epractice.eu/en/people/emilio">http://www.epractice.eu/en/people/emilio</a>		guidance	eNoticing eTendering			EFVS
<b>Pilots</b>											
<b>PRO</b>	<b>PROCURE</b>	<a href="http://www.eten-procure.com">www.eten-procure.com</a>	Burgundy Regional Council	Adapt the Burgundy region solution to enable its usage in other European countries by conducting several pilots	L.F. Fleri <a href="http://www.epractice.eu/people/12246">http://www.epractice.eu/people/12246</a>		Pilot	eTendering eAwarding eOrdering eInvoicing			PEPPOL
<b>Research projects</b>											
<b>Brite</b>	<b>BRITE</b>	<a href="http://www.epractice.eu/cases/BriteCBD">http://www.epractice.eu/cases/BriteCBD</a>	European Business Register - Belgium	Creation of the "Brite Common Business Dossier": an electronic document package carrying the	V. Gianella <a href="http://www.epractice.eu/people/136">http://www.epractice.eu/people/136</a>	Service Case 3: Support for eProcurement Take-up	Infrastructure/tools	eAttestation		P. Milani <a href="http://www.epractice.eu/people/1169">http://www.epractice.eu/people/1169</a>	PEPPOL WP2



			certificates and attestations required in the European eProcurement								
--	--	--	---	--	--	--	--	--	--	--	--

## Annex III – Table of reference studies

For the CEN/ISSS results (CWAs), please refer to the websites of each single workshop						
author/main responsible	Other contributors	Result name	Description	URL	Issued on	Other
ePrior-eInvoicing and eOrdering Pilot		<b>Analysis of Business Requirements for eInvoicing</b>	The report is one of the deliverables of the IDABC eInvoicing & eOrdering pilot project; it contains the results of the business requirements gathering process for eInvoicing in a public procurement context.	<a href="http://epractice.eu/en/library/288906">http://epractice.eu/en/library/288906</a>	Mar 09	
eInvoicing Expert Group		<b>Mid-term report of the Expert Group on eInvoicing</b>	This mid-term report outlines the progress made during the first year of the mandate of the Expert Group on eInvoicing	<a href="http://epractice.eu/en/library/281899">http://epractice.eu/en/library/281899</a>	Jan 09	
DG-MARKT		<b>Commission survey on uptake of eProcurement</b>	Commission launches online survey of four stakeholder groups (MS, economic operators, contracting authorities and central purchasing bodies) to assess up-take and experience of practitioners, in the context of evaluating the impact of the eProcurement Action Plan	<a href="http://www.epractice.eu/node/284989">http://www.epractice.eu/node/284989</a>	Jan 09	
CEN/ISS eInvoicing 2	Fiscalis	<b>eInvoice Best practice</b>	Guidelines (Excel file) and Commentary - Draft version	<a href="http://www.epractice.eu/node/281857">http://www.epractice.eu/node/281857</a>	Jul 08	
eInvoicing Expert Group		<b>1st status report of the Expert Group on eInvoicing</b>	Status report from the Expert Group on eInvoicing	<a href="http://www.epractice.eu/node/281818">http://www.epractice.eu/node/281818</a>	Jun 08	
PEPPOL		<b>Factsheet of PEPPOL – eProcurement pilot project</b>	A description of the objectives, structure and expected impacts of this pilot project named PEPPOL (Pan European Public Procurement OnLine).	<a href="http://www.epractice.eu/node/281809">http://www.epractice.eu/node/281809</a>	May 08	
DG-MARKT		<b>Electronic Catalogues in Electronic Public Procurement- Final Report</b>	The study consists of 3 volumes: * Vol. I – eCatalogues: Report on the state of play; * Vol. II - eCatalogues: Report on standardisation activities; * Vol. III – eCatalogues: Report on preliminary functional requirements.	<a href="http://www.epractice.eu/node/281801">http://www.epractice.eu/node/281801</a>	Nov 07	study funded by IDABC in context of EU eProcurement Action plan
DG-MARKT		<b>Compliance verification in electronic public procurement</b>	Report of a study for the identification, analysis and comparison of optimum mechanisms for verifying the compliance of tools and systems with the requirements of the public procurement Directives	<a href="http://www.epractice.eu/node/281800">http://www.epractice.eu/node/281800</a>	Oct 07	

DG-MARKT		<b>Electronic transmission of public procurement notices for publication</b>	A study to determine different scenarios for introducing a system of mandatory eNotification in a coherent regulatory and technical environment.	<a href="http://www.epractice.eu/node/281802">http://www.epractice.eu/node/281802</a>	Set 07	
IDABC-DG MARKT		<b>IDABC XML Schemas for Public Procurement</b>	The eProcurement XML schemas initiative aims at proposing a set of generic XML schemas to support the automation of data exchanges in the different phases of electronic public procurement.	<a href="http://www.epractice.eu/node/281836">http://www.epractice.eu/node/281836</a>	Jan 05	
DG-MARKT		<b>Functional Requirements for eProcurement</b>	Report on Functional Requirements for conducting eProcurement under the EU framework Vol.I-main requirements Vol.II-background	<a href="http://www.epractice.eu/node/281505">http://www.epractice.eu/node/281505</a>	Jan 05	study funded by IDABC in context of EU eProcurement Action plan
PEPPOL WP1		<b>Requirements for Use of Signatures in Public Procurement Processes</b>	It is the first version of functional specifications for cross-border interoperability of eSignatures in Europe. The specifications are specifically targeted at cross-border public procurement, the topic of Pan-European Public Procurement On-Line (PEPPOL)	<a href="http://www.epractice.eu/en/library/292100">http://www.epractice.eu/en/library/292100</a>	Apr 09	
PEPPOL WP2		<b>Functional and non-functional requirements specification for the VCD</b>	The deliverable documents the first activities of PEPPOL-WP 2 concerning the analysis, synthesis and assessment of existing company dossier structures of individual Member States and the achievements of previously run studies from the DG-MARKT or other relevant EU bodies, and initiatives like the EU-co-funded BRITE project.	<a href="http://www.epractice.eu/en/library/292099">http://www.epractice.eu/en/library/292099</a>	May 09	
PEPPOL WP8		<b>PEPPOL Infrastructure Open for Early Adopters</b>	Version 0.8 of the PEPPOL infrastructure (Pan European Public Procurement) has been released on 1 May 2009. The release includes a simple demonstrator business application in addition to open source software libraries and other components.	<a href="http://www.epractice.eu/en/news/289667">http://www.epractice.eu/en/news/289667</a>	May 09	
PROCURE		<b>Electronic Signatures as Obstacles for Cross-Border eProcurement in Europe – Lessons from the PROCURE project</b>	This article analyses success-factors and barriers for eSignature cross-border adoption from a legal point of view and makes recommendations for European legislation and individual measures to better align national regulations and the mutual recognition of eSignatures in eProcurement among the Member States are made.	<a href="http://www.epractice.eu/en/library/292080">http://www.epractice.eu/en/library/292080</a>	Jun 09	
PEPPOL WP3		<b>Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues</b>	The deliverable documents the first activities of PEPPOL-WP 3 concerning the analysis of existing studies and initiatives, as well as legal frameworks at European and national levels which may have any relevance for eCatalogues. Therefore, the first activities of WP 3 comprised the analysis, synthesis and assessment of existing reports and documents.	<a href="http://www.epractice.eu/en/library/293105">http://www.epractice.eu/en/library/293105</a>	Jul 09	

PEPPOL WP4	work done in close connection with CEN/ISSS BII	<b>Standard Basic eOrdering Format and Data Structure</b>	The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.	<a href="http://www.epractice.eu/en/library/293106">http://www.epractice.eu/en/library/293106</a>	Jul 09	
ETSI TC/ESI		<b>Multipart standard for Advanced Electronic Signatures for Portable Document Format (PDF) documents</b>	The standard defines a series of profiles for PAdES - Advanced Electronic Signatures for Portable Document Format (PDF) documents	<a href="http://www.epractice.eu/en/news/293700">http://www.epractice.eu/en/news/293700</a>	Set 09	
DG-MARKT		<b>Preliminary Study on eCertificates and eAttestations - Final Report and National Country Profiles</b>	The goal of the study is to identify if and how electronic certificates and attestations are currently issued, accepted and validated in public procurement procedures across the EU and EEA Vol 1-Country reports Vol 4-Final Report	<a href="http://www.epractice.eu/node/281843">http://www.epractice.eu/node/281843</a>	Sep 08	study funded by IDABC in context of EU eProcurement Action plan

## Annex IV – Table of referenced legal acts

author/main responsible	Other contributors	Result name	Description	URL	Issued on	Other
DG-MARKT DG INFSO, DG DIGIT DG ENTR		<b>eSignature &amp; eAuthentication Action Plan</b>	Action Plan on eSignatures and identification to facilitate the provision of crossborder public services in the Single Market	<a href="http://www.epractice.eu/node/281876">http://www.epractice.eu/node/281876</a>	Nov 08	
DG-MARKT		<b>New Common Procurement Vocabulary</b>	Regulation (EC)213/2008 revising the Common Procurement Vocabulary (CPV) used to describe the subject of procurement contracts.	<a href="http://www.epractice.eu/node/281871">http://www.epractice.eu/node/281871</a>	Sep 08	
DG-MARKT		<b>eNoticing forms</b>	Regulation (EC) 1564/2005 establishing standard forms for the publication of procurement notices in the OJEU	<a href="http://www.epractice.eu/node/281633">http://www.epractice.eu/node/281633</a>	Oct 05	
DG-MARKT		<b>eProcurement Action Plan</b>	Action plan for the implementation of the new EU legal framework for electronic public procurement	<a href="http://www.epractice.eu/node/281022">http://www.epractice.eu/node/281022</a>	Dec 04	

<http://www.epractice.eu/eprocurement>