The eProcurement Map

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

October 2010
This paper was prepared for the IDABC Programme and ePractice by:

Author’s name: Eva Coscia, Maurizio Megliola
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.

© European Communities, 2010
Reproduction is authorised, except for commercial purposes, provided the source is acknowledged.
# Table of Contents

## 1 Introduction........................................................................................................................................... 5

## 2 Map of European eProcurement activities............................................................................................ 6

### 2.1 Projects and Initiatives supported by the European Commission .................................................. 6

#### 2.1.1 e-CERTIS ..................................................................................................................................... 6

#### 2.1.2 ESSI ........................................................................................................................................... 6

#### 2.1.3 Fiscalis 2013 .............................................................................................................................. 7

### 2.2 Pilots .................................................................................................................................................. 7

#### 2.2.1 PEPPOL - Pan-European Public Procurement Online ............................................................... 7

#### 2.2.2 STORK - (Secure idenTity acrOss euRope linKed) .................................................................. 9

### 2.3 Standardisation .................................................................................................................................. 9

#### 2.3.1 CWA 16100:1010 Guidelines for the design, implementation and operation of a product property server (ePPS) ................................................................................................................. 9

#### 2.3.2 CWA 16138:2010 Classification and catalogue systems used in electronic procurement (CC3P) ......................................................................................................................................................... 9

#### 2.3.3 CEN BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe' Phase 2 (WS/BII 2) ........................................................................................................................................ 10

#### 2.3.4 CEN eBES - Workshop on The e-business Board for European Standardization ................ 10

#### 2.3.5 CEN - Workshop on elInvoicing Phase 3 (CEN WS/INV3) ......................................................... 11

#### 2.3.6 ETSI TC/ESI ............................................................................................................................... 12

#### 2.3.7 TSL plugtest ............................................................................................................................... 12

#### 2.3.8 NES/UBL - Northern European Subset ...................................................................................... 13

#### 2.3.9 OASIS TC/UBL - The Universal Business Language .................................................................. 13

#### 2.3.10 UN/CEFACT - United Nations Centre for Trade Facilitation and Electronic Business .......... 13

## 2.4 Communities and networks ................................................................................................................ 14

### 2.4.1 eProcurement Forum ................................................................................................................... 14

### 2.4.2 EU Lab - European Public Procurement Learning Lab ............................................................... 14

## 2.5 Ended Projects .................................................................................................................................... 14

### 2.5.1 CROBIES ................................................................................................................................. 14

### 2.5.2 Evaluation of eProcurement uptake ............................................................................................. 14

### 2.5.3 ePrior - elInvoicing and eOrdering Pilot ..................................................................................... 15

## 3 Reference studies..................................................................................................................................... 16

### 3.1 Open e-Prior ...................................................................................................................................... 16

### 3.2 Summary of responses to the Public Consultation on the Final Report of the Expert Group on e-Invoicing ......................................................................................................................................................... 16

### 3.3 Study on the standardisation aspects of eSignature (CROBIES) ....................................................... 17

### 3.4 Final report of the Expert Group on elInvoicing ................................................................................ 17

### 3.5 Multipart standard for Advanced Electronic Signatures for Portable Document Format (PDF) documents ........................................................................................................................................................................ 17

### 3.6 Standard Basic eOrdering Format and Data Structure .................................................................... 17

### 3.7 Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues ................................................................................................................................. 17

### 3.8 PEPPOL Infrastructure Open for Early Adopters .............................................................................. 17

### 3.9 Functional and non-functional requirements specification for the VCD ....................................... 18

### 3.10 Requirements for Use of Signatures in Public Procurement Processes ....................................... 18

### 3.11 NES Schematron Validation Tool .................................................................................................. 18

### 3.12 Analysis of Business Requirements for elInvoicing ..................................................................... 18

### 3.13 Commission survey on uptake of eProcurement ......................................................................... 18

### 3.14 elInvoicing Best practice ................................................................................................................. 18

### 3.15 1st status report of the Expert Group on elInvoicing .................................................................... 19

### 3.16 Electronic Catalogues in Electronic Public Procurement- Final Report ...................................... 19

### 3.17 Verification of compliance with the Public Procurement Directives .......................................... 19

### 3.18 Electronic transmission of public procurement notices for publication .................................... 19

### 3.19 IDABC XML Schemas for Public Procurement ........................................................................ 19

### 3.20 Functional Requirements for eProcurement .................................................................................. 19
4 Legal Acts ........................................................................................................................................20
  4.1 eSignature Action Plan ........................................................................................................20
  4.2 Preliminary Study on eCertificates and eAttestations - Final Report and National
      Country Profiles .....................................................................................................................20
  4.3 New Common Procurement Vocabulary ............................................................................20
  4.4 eNoticing forms ..................................................................................................................20
  4.5 eProcurement Action Plan ................................................................................................20

Acronyms .........................................................................................................................................21

Annex I – Table of activities related to eProcurement .................................................................22
Annex II – Table of Ended Projects ..........................................................................................33
Annex III – Table of Reference Studies ......................................................................................36
Annex IV – Table of Referenced Legal Acts ..............................................................................40
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 fourth version of this map which reflects what happened in the eProcurement scenario since the third version has been published about 3 months ago, at the end of June 2010): some new projects have been launched, some other came to the end, new documents have been published and are available for being shared among all the eProcurement practitioners in Europe.

This fourth 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 third version of the Map (issued in June 2010) but that have been closed before the preparation of the current version of the document.

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

For each activity, the following pieces of 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 e-CERTIS

Objective/Mission: eCERTIS is a free, on-line information tool which provides details of the different certificates and attestations frequently requested in procurement procedures across the 27 Member States, two Candidate Countries (Turkey and Croatia) and the three EEA countries (Iceland, Liechtenstein and Norway). It represents a pragmatic response to the problems encountered by economic operators and contracting authorities when submitting and receiving evidence documents within a cross-border procurement process.

eCERTIS has been designed to help both economic operators and contracting authorities, first to understand what information is being requested or provided and secondly to identify mutually acceptable equivalents. This can be done fairly quickly, using a range of search criteria, including keyword searches in their own language.

Sponsors or responsible organisations: DG MARKT
Contact: M. Tardioli (http://www.epractice.eu/en/people/93603)
Dates (start, end): 2010–2011
More information: please contact us at markt-e-certis@europa.eu.int.
Approach: study, tool
Topics/phases: eTendering (eAttestation)

2.1.2 ESSI

Objective/Mission: To set up a common Electronic Signature Services Infrastructure to be deployed at the EC, for the purpose of facilitating the introduction of electronic signatures in all of the Commission’s circles of exchanges. ESSI considers separately the public key infrastructure (PKI) to issue, deliver and manage the certificates and the application platform that supports the actual creation, verification and extension of advanced electronic signatures. A solution based on interoperability standards is being deployed for this platform. A first real-life application integrating this solution and service was deployed within the context of the implementation of the Service Directive. Since January 2010, this application enables the Commission for the first time ever to guarantee the authenticity of information published on the Europa web site via the use of an electronic signature. Conformance to the European standards of this particularly visible signature was confirmed by ETSI.

Sponsors or responsible organisations: DIGIT
2.1.3 Fiscalis 2013

Objective/Mission: EU Commission initiative to:
- Enhance the fight against tax fraud;
- Continuously improve administrative procedures and practices to the benefit of administrations and business within the EU;
- Ensure the exchange of information between national tax administrations as well as with traders through projects such as trans-European tax IT systems.

Sponsors or responsible organisations: DG-TAXUD

Contact: D. Boubil

Dates (start, end): Q1 2008 – Q4 2013

Topic/phases: eInvoicing, ePayment


Sub-projects

**Activity "audit of eInvoicing"**

**Description:** Workshop Phase II produced as outcome a set of good practice Guidelines for both businesses and tax administrations. This CWA seeks to reduce some of the principal areas of uncertainty and resulting inefficiencies on the e-invoicing market with one single set of good practice Guidelines for both businesses and tax administrations. While every effort has been made to ensure consistency with legal requirements that apply to e-invoicing in the European Union, no guarantees of legal compliance or fitness for purpose are made by the drafters or CEN; any use of these documents is at the user’s own risk.

**Contacts:** Gertjan Vandenakker

**Website:** [http://www.e-invoice-gateway.net/knowledgebase/elInvoiceBestPractice/](http://www.e-invoice-gateway.net/knowledgebase/elInvoiceBestPractice/)

**Approach:** standardisation

**Topics/phases:** eInvoicing

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

---

2.2 Pilots

2.2.1 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-INFSO (CIP ICT/PSP programme)


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

Website/case: [http://www.peppol.eu/](http://www.peppol.eu/)

Phases: eOrdering, eInvoicing, eCatalogue, eSignature

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](http://www.epractice.eu/people/5417))

**Approach:** pilot

**Topics/phases:** eSignature

**Cooperation with:** STORK

---

**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](http://www.epractice.eu/people/7317))

A. Mondorf ([http://www.epractice.eu/people/11712](http://www.epractice.eu/people/11712))

**Approach:** pilot

**Topics/phases:** eAttestation

---

**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](http://www.epractice.eu/people/12322))

**Approach:** pilot

**Topics/phases:** eCatalogue

**Cooperation with:** CEN BII 1- Workshop on ‘Business Interoperability Interfaces on public procurement in Europe’ CEN-BII 2

---

**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](http://www.epractice.eu/people/14289))

**Approach:** pilot

**Topics/phases:** eOrdering

**Cooperation with:** CEN BII 1- Workshop on ‘Business Interoperability Interfaces on public procurement in Europe’, eInvoicing and eOrdering Pilot, CEN – BII2

---

**WP5- eInvoicing**

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


**Approach:** pilot

**Topics/phases:** eInvoicing

**Cooperation with:** ePrior eInvoicing and eOrdering Pilot, CEN BII 1- 2, CEN, eInvoicing 2 and 3 Expert Group

---

**WP6-Project Management**

**Description:** Project Management

**Contacts:** A. Hoddevik ([http://www.epractice.eu/people/854](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:** J. Werner ([http://www.epractice.eu/en/people/98217](http://www.epractice.eu/en/people/98217))

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

**Cooperation with:** eProcurement Forum
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


Approach: Infrastructure/tools

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

2.2.2 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)
J. Stienen (http://epractice.eu/en/people/7828)

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

Approach: pilot

Topics/phases: eSignature, eID

Cooperation with: PEPPOL WP1


2.3 Standardisation

2.3.1 CWA 16100:1010 Guidelines for the design, implementation and operation of a product property server (ePPS)

Objective/Mission: In 2010, two projects are carried out within Workshop eCAT. The first project ePPS (electronic product property server) deals with guidelines for the design, implementation and operation of a product property server. A pilot test case run in the heating ventilation, air conditioning sanitary-ware industry.

A new CWA, CEN/WS/eCAT “Multilingual eCataloguing and eClassification” started.

Sponsors or responsible organisations: CEN

Contacts: Christian Galinski

Dates (start, end): Q1 2010


2.3.2 CWA 16138:2010 Classification and catalogue systems used in electronic procurement (CC3P)

Objective/Mission: In 2010, two projects are carried out within Workshop eCAT. The second project CC3P (classification and catalogue systems for public and private procurement) analysis the classification systems used in Europe for public procurement (CPV – Common Procurement Vocabulary) and some used in the private sector (UNSPSC, GPC and eCl@s). The CC3P project will propose harmonization, mapping methodologies, recommendation on their use in electronic catalogues and areas of improvement in the CPV.
A new CWA, CEN/WS/eCAT "Multilingual eCataloguing and eClassification" started.

**Sponsors or responsible organisations:** CEN

**Contacts:** Christian Galinski

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


---

### 2.3.3 CEN BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe' Phase 2 (WS/BII 2)

**Objective/Mission:** to provide a basic framework for technical interoperability in pan-European electronic transactions, expressed as a set of technical specifications that cross-refer to relevant activities, and in particular are compatible with UN/CEFACT - in order to ensure global interoperability. The workshop is focusing on implementation facilitations and co-ordinating pilots implementing the technical specifications output. The requirements and final specifications are input into UN/CEFACT.

The starting point for the Workshop was the CEN BII Phase 1 ([http://www.ds.dk/en-GB/Sectors/ICT/Bii/Sider/default.aspx](http://www.ds.dk/en-GB/Sectors/ICT/Bii/Sider/default.aspx)).

**Sponsors or responsible organisations:** CEN

**Contacts:** S. Feder


**Dates (start, end):** Q1 2010, Q1 2012

**More information:** [http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/Ws_BII.aspx#](http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/Ws_BII.aspx#)

---

### 2.3.4 CEN 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

**Contacts:** K. Ginty ([http://www.epractice.eu/people/4922](http://www.epractice.eu/people/4922))

B. Longhi ([http://www.epractice.eu/people/2612](http://www.epractice.eu/people/2612))

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

**More information:** [http://www.cen.eu/sh/ebes](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](http://www.epractice.eu/people/12948))

**Website:** [http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/EEG1.aspx](http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/EEG1.aspx)

**Approach:** standardisation

**Topics/phases:** eOrdering, eInvoicing, eCatalogue

**EEG2/TBG3 Transport**

**Description:** EEG2 (TBG3 Europe) deals with the transport area.

TBG3 has the primary mission to identify EDIFACT standard message requirements for the transfer of transport data and to develop and maintain United Nations Standard Messages (UNSM's) for transport and logistics purposes. TBG3 develops the transport Business Models, the transport Core Components and Business Information Entities, in accordance with the UML and UMM methodology, such as to develop standard XML documents for the transport and logistics sector. TBG3 also deals with the relevant Codes lists including UN Recommendations.

**Contacts:** D. Vankemmel
2.3.5 CEN - Workshop on elnvoicing Phase 3 (CEN WS/INV3)

Objective/Mission: The work in the first two phases of the CEN elnvoicing Workshop has demonstrated the need for a common stakeholder understanding of the means to implement electronic invoicing. The Expert Group on elnvoicing, set up by the European Commission, has been a practical demonstration of the need for a clear regulatory and policy framework for raising awareness and bringing political emphasis.

The European Commission Expert Group on elnvoicing delivered its final report at the end of 2009 (see http://ec.europa.eu/enterprise/sectors/ict/files/finalreport_en.pdf). The major objective of the Work Shop is to provide support for a continuing technical platform to carry out the specific European work that stakeholders require, both in terms of the technical needs expressed in the CEN elnvoicing Workshop Phase 2 and the recommendations of the Expert Group by producing a set of defined CWAs. The overall target of Phase 3 will be “Integration of efforts in standardisation and developments”.

This CEN e-invoice Platform will:
- Be open to the participation of any interested party;
- Reach stakeholder consensus on standards-related issues;
- Provide the appropriate interface with international and other European standards activities.

Sponsors or responsible organisations: CEN

Contacts:
S. Engel-Flechsig (http://www.epractice.eu/en/people/90087)
A. Grangard (http://www.epractice.eu/en/people/13432)

Dates (start, end): Q1 2010, Q4 2011


Cooperation with: CEN Workshop on Business Interoperability Interfaces for public procurement in Europe (CEN WS/BII), PEPPOL.
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. Comphans – ETSI (http://www.epractice.eu/en/people/86050), ESIsupport@etsi.org

Approach: standardisation

Topics/ phases: eSignature, Registered Electronic Email

Cooperation with: CEN - Workshop on elinvoicing Phase 2, PEPPOL


2.3.7 TSL plugtest

Objective/Mission: On 16 October 2009 the European Commission adopted a Decision setting out measures facilitating the use of procedures by electronic means through the ‘points of single contact’ under the Services Directive. One of the measures adopted by the Decision consists in the obligation for Member States to establish and publish by 28.12.2009 their Trusted List of supervised/accredited certification service providers issuing qualified certificates to the public. The objective of this obligation is to enhance cross-border use of electronic signatures by increasing trust in electronic signatures originating from other Member States.

The Trusted Lists will above all benefit to the verification of advanced e-signatures supported by qualified certificates in the meaning of the e-signature directive (1999/93/EC) as far as they have to include at least certification service providers issuing qualified certificates.

In order to validate advanced e-signatures supported by qualified certificates, a receiving party would first need to check their trustworthiness. This means that the receiving party has to be able to verify whether the signature is an advanced electronic signature supported by a qualified certificate issued by a supervised certification service provider as required by Article 3.3 of the e-signatures directive. The receiving party may also need to verify whether the signature is supported by a secure signature creation device.

Although the information necessary to verify these signatures should in principle be retrievable from the signature itself and from the content of the qualified certificate supporting it, this process can be rather difficult due to the differences in the use of existing standards and practices.

The publicly available Trusted Lists will make it much easier for signature recipients to verify the e-signatures by complementing the data that can be retrieved from the e-signature and the qualified certificate and by providing also information on the supervised/accredited status of Member States' certification service providers and their services.

In order to allow access to the trusted lists of all Member States in an easy manner, the European Commission has published a central list with links to national "trusted lists". This central list has been created by the Directorate General for Informatics under the IDABC-programme in close collaboration with Directorates-General Internal Market and Services and Information Society and Media.

Sponsors or responsible organisations: ETSI (European Telecommunications Standards Institute)

Contact: Laurent Velez (laurent.velez@etsi.org)

Dates (start, end): Q1 2010 – Q2 2011

Cooperation with: CROBIES


Approach: services

Topics/ phases: eSignature
2.3.8 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 ([http://epractice.eu/en/people/12164](http://epractice.eu/en/people/12164)) - EDISYS

**Approach:** standardisation

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

**More information:** [http://www.nesubl.eu/](http://www.nesubl.eu/)

2.3.9 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. UBL 2.1 began its first public review on 25th September 2010.

**Sponsors or responsible organisations:** OASIS

**Contacts:** J. Bosak, T. McGrath ([http://www.epractice.eu/people/12041](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 BII - Workshop on 'Business Interoperability Interfaces on public procurement in Europe'


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

**Objective/Mission:** To encourage 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](http://www.epractice.eu/people/13432))

**Approach:** standardisation

**More information:** [http://www.unece.org/cefact/](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 eBES - Workshop on The eBusiness Board for European Standardization

**TBG6 - Construction**

**Description:** elaboration of eTendering schemas

**Topics/phases:** eTendering

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

**TBG19 - eGovernment**

**Contacts:** Antonio Reis ([http://www.epractice.eu/en/people/13284](http://www.epractice.eu/en/people/13284))

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:** J. Remuinan-Suarez (Jorge.REMUINAN-SUAREZ@ec.europa.eu)

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

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

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

**More information:** [http://epractice.eu/community/eprocurement](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/online/Home/Ricercaesviluppo/Progetti/Eulab.html](http://www.consip.it/online/Home/Ricercaesviluppo/Progetti/Eulab.html)

---

2.5 Ended Projects

2.5.1 CROBIES

**Objective/Mission:** The objective of the study on Cross-Border Interoperability of eSignatures (CROBIES) is to propose solutions to remove barriers to cross-border interoperability of qualified electronic signatures and advanced electronic signatures based on qualified certificates.

CROBIES is based on and takes into account the relevant provisions of Directive 1999/93/EC and their national implementations as well as the standardisation work based on the Directive.

CROBIES concentrates in particular on the following issues: supervision and accreditation systems of certification service providers issuing qualified signature certificates, the establishment of a “Trusted List of supervised/accredited certification service providers”; profiles of qualified certificates and the interoperability of Secure Signature Creation Devices (SSCDs). CROBIES also proposes a model for providing guidelines and guidance for cross-border and interoperable implementation of electronic signatures.

**Sponsors or responsible organisations:** DG INFSO

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

**Dates (start, end):** Q3 2008 – Q2 2010


**Approach:** study

**Topics/phases:** eSignature

**Cooperation with:** PEPPOL, STORK, ETSI

---

2.5.2 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: Mr. Niall Bohan
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

2.5.3 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; a connector to the PEPPOL Infrastructure. An open-source version is made available to the MS on OSOR (see ).

Sponsors or responsible organisations: DG-DIGIT, DG-MARKT, funded by IDABC
Contacts: A. Tosetti, head of unit DIGIT/B4, overall project owner
D. Thunus (http://www.epractice.eu/people/15626)
P. Breyne (http://www.epractice.eu/people/12256)
T. Chetcuti (http://www.epractice.eu/en/people/tanyachetcuti)
Dates (start, end): Q2 2007 – Q2 2010
Approach: Pilot
Topics/phases: eInvoicing eOrdering eCatalogues

Cooperation with: PEPPOL WP5 - eInvoicing, WP4 – eOrdering, WP3 - eCatalogues, WP8 - Solutions architecture, design and validation, CEN Workshop on eInvoicing Phase 2, eInvoicing Expert Group, CEN BII - Workshop on ‘Business Interoperability Interfaces on public procurement in Europe’ and CEN BII 2

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

In addition, IDABC edits a CD ROM which includes these reference studies, the eProcurement Demonstrators and other selected content. A free copy and more up-to-date information can be requested at eprocurement@epractice.eu.

An exhaustive list of documents with legal relevance is available at the DG Internal Market and Services website: http://ec.europa.eu/internal_market/publicprocurement/e-procurement_en.htm

Please note that the CEN 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 Open e-Prior

Date: May 2010

Produced by: ePrior-eInvoicing and eOrdering Pilot

Description: Open e-PRIOR is the open-source version of the e-PRIOR platform, developed and deployed by the Commission to allow the exchange of structured e-Procurement documents between the Commission and its suppliers. Open e-PRIOR is being developed under the IDABC programme and was initiated by Directorate-General for Internal Market (DG-MARKT) and Directorate-General for Informatics (DIGIT) of the European Commission. Open e-PRIOR provides an opportunity for reusability of an open-source solution that has already been implemented at the Commission and which provides a secure platform for document exchange. This is a great opportunity for sharing practical experiences and lessons learnt with the aim of accelerating uptake of e-Procurement across Member States.


3.2 Summary of responses to the Public Consultation on the Final Report of the Expert Group on e-Invoicing

Date: May 2010

Produced by: European Commission, Directorate-General for Enterprise and Industry and Directorate-General for Internal Market and Services

Description: The Expert Group on e-Invoicing presented in its final report a set of recommendations for an European Electronic Invoicing Framework, supporting the uptake of cross-border interoperable e-Invoicing solutions, with a particular focus for uptake among SMEs.

The public consultation on the final report of the Expert Group on e-Invoicing ran from 30 November 2009 to 26 February 2010. It sought to strengthen and deepen the European Commission services’ understanding of the way forward to promote uptake of electronic invoicing within the EU. The objective of this consultation was to collect stakeholders’ reactions on the recommendations proposed by the Expert Group on e-Invoicing in the areas of business requirements, legal framework, interoperability and standards, as well as the proposed approach for implementation and communication. All citizens and organisations were welcome to contribute. Contributions were particularly sought from SMEs, large enterprises, service providers, standardisation bodies and public authorities.
The present document is a summary of the 87 responses received on the occasion of this public consultation.


### 3.3 Study on the standardisation aspects of eSignature (CROBIES)
**Date:** March 2010  
**Produced by:** SEALED, time.lex and Siemens  
**Description:** The CROBIES study looks at eSignature interoperability in general, but specifically in the context of cross-border use. While considering a consistent global and long term approach in proposed improvements at the legal, technical and trust levels, CROBIES is also focusing on quick wins that could substantially improve the interoperability of electronic signatures.  

### 3.4 Final report of the Expert Group on eInvoicing
**Date:** November 2009  
**Produced by:** eInvoicing Expert Group  
**Description:** The Expert Group on e-Invoicing presented in its final report a set of recommendations for an European Electronic Invoicing Framework, supporting the uptake of cross-border interoperable e-Invoicing solutions, with a particular focus for uptake among SMEs.  

### 3.5 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.  

### 3.6 Standard Basic eOrdering Format and Data Structure
**Date:** July 2009  
**Produced by:** PEPPOL  
**Subproject:** WP4  
**Other contributors:** work done in close connection with CEN BII.  
**Description:** The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.  

### 3.7 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.  

### 3.8 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.


### 3.9 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.


### 3.10 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).


### 3.11 NES Schematron Validation Tool

**Date:** March 2009  
**Produced by:** NES Consortium  
**Description:** A new version of the NES Schematron validation tool, to facilitate the electronic coop. in the procurement chain, based on available international standards (mainly, UBL)


### 3.12 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.


### 3.13 Commission survey on uptake of eProcurement

**Date:** October 2008. The survey closed on 12th January 2009.  
**Produced by:** DG-MARKT  
**Description:** Presentation of the survey launched by the Commission in 2008 to assess up-take and experience of practitioners

**Download:** [http://www.epractice.eu/node/284989](http://www.epractice.eu/node/284989)

### 3.14 eInvoicing Best practice

**Date:** July 2008  
**Produced by:** CEN - 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](http://www.epractice.eu/node/281857)
3.15 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

3.16 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;
Remarks: study funded by IDABC
Download: http://www.epractice.eu/node/281801

3.17 Verification of compliance with the Public Procurement Directives
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

3.18 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

3.19 IDABC XML Schemas for Public Procurement
Date: January 2005
Produced by: IDABC
Description: The eProcurement XML schemas initiative aimed 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

3.20 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
4 Legal Acts

4.1 eSignature Action Plan
Date: November 2008
Produced by: DG-MARKT
Description: Action Plan on eSignature and eIdentification to facilitate the provision of crossborder public services in the Single Market
Download: http://www.epractice.eu/node/281876

4.2 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

4.3 New Common Procurement Vocabulary
Date: September 2008
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

4.4 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

4.5 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

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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Name</th>
<th>Website/case</th>
<th>sponsor or responsible</th>
<th>Objective / Mission</th>
<th>Project Contact</th>
<th>Sub-project</th>
<th>Approach</th>
<th>topics/ phases</th>
<th>Short description</th>
<th>Sub-project contact/ website</th>
<th>existing coop. with</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>e-CERTIS</strong></td>
<td>e-CERTIS</td>
<td>[<a href="http://www.epra">http://www.epra</a> ctice.eu/en/people/93603](<a href="http://www.epra">http://www.epra</a> ctice.eu/en/people/93603)</td>
<td>DG MARKT</td>
<td>In consultation with the e-procurement Working Group (ePWG) the Commission is working to set up an information system - eCertis - designed to provide procurement actors with a detailed description of evidence that national contracting authorities frequently require in their domestic procurement practices. This information aims to support both contracting authorities and candidate tenderers in cross-border procurements.</td>
<td>M. Tardioli</td>
<td>study, tool</td>
<td>eTendering (eAttestation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Commission Projects and Initiatives*
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Name</th>
<th>Website/ case</th>
<th>sponsor or responsible</th>
<th>Objective / Mission</th>
<th>Project Contact</th>
<th>Sub-project</th>
<th>Approach</th>
<th>topics/ phases</th>
<th>Short description</th>
<th>Sub-project contact/ website</th>
<th>existing coop. with</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESSI</td>
<td></td>
<td>DG-DIGIT</td>
<td>To provide the ESSI PKI services and the ESSI Application Platform to be used by the ESSI stakeholders</td>
<td>P. Schneider (<a href="http://www.epra">http://www.epra</a> ctice.eu/en/people/8664)</td>
<td>infrastructure/tools</td>
<td>eSignature</td>
<td></td>
<td></td>
<td>EFVS, ETSI TC/ESI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaluatio n of eProc uptake</td>
<td></td>
<td>DG-MARKT</td>
<td>To evaluate the uptake of eProcurement especially with regards to the progress achieved under the 2004 Action Plan</td>
<td>Mr. N.Bohan</td>
<td>evaluation</td>
<td>eNoticing, eTendering, eAwarding, eOrdering, eInvoicing, eCatalogue, eSignature, national eProcurement national eProcurement plans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiscalis 2013</td>
<td>Fiscalis</td>
<td><a href="http://ec.europa.eu/taxation_customs/taxation/cooperation/fiscalis/programme/fiscalis2013/index_en.htm">http://ec.europa.eu/taxation_customs/taxation/cooperation/fiscalis/programme/fiscalis2013/index_en.htm</a></td>
<td>EU Commission initiative to: • Enhance the fight against tax fraud; • Continuously improve administrative procedures and practices to the benefit of administrations and business within the EU; • Ensure the exchange of information between national tax administrations as well as with traders through projects such as trans-European tax IT systems.</td>
<td>D. Boubill</td>
<td>Activity “audit of eInvoicing”</td>
<td>standardisation</td>
<td>eInvoicing, ePayment</td>
<td>Producing of audit standards (guidance paper), training standards, audit facilitation and practical compliance</td>
<td>Contact Person: G. Vandenackert <a href="http://www.e-invoice-gateway.net/knowledgebase/eInvoiceBestPractices">http://www.e-invoice-gateway.net/knowledgebase/eInvoiceBestPractices</a></td>
<td>CEN Workshop on eInvoicing Phase 2, ePrior - eInvoicing and eOrdering Pilot, eInvoicing Expert Group - ST1- Regulatory Framework stream</td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponsor or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------------</td>
<td>--------------</td>
<td>------------------------</td>
<td>---------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>----------</td>
<td>---------------</td>
<td>------------------</td>
<td>-----------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>PPL WP1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>WP1- eSignature</td>
<td>pilot</td>
<td>eSignature</td>
<td>Guidelines, specifications and pilot solutions to overcome the lack of interoperability between the different national schemes for electronically signing tender documents</td>
<td>M. Hagen <a href="http://www.epractice.eu/people/5417">http://www.epractice.eu/people/5417</a> Free Hanseatic City of Bremen</td>
<td>STORK</td>
</tr>
<tr>
<td>PPL WP2</td>
<td>PEPPOL</td>
<td><a href="http://www.peppol.eu">www.peppol.eu</a></td>
<td>DG-INFSO (CIP ICT/PSP programme)</td>
<td>Large scale pilot to set up integrated solutions for cross border eProcurement</td>
<td>Coordinator: Norwegian Agency for Public Management and eGovernment</td>
<td>WP2- Virtual Company Dossier</td>
<td>pilot</td>
<td>eAttestation</td>
<td>Interoperable solutions for economic operators in any European country to submit certificates and attestations electronically to any procurement agency</td>
<td>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/1712">http://www.epractice.eu/people/1712</a> <a href="mailto:peppol@uni-koblenz.de">peppol@uni-koblenz.de</a></td>
<td></td>
</tr>
<tr>
<td>PPL WP3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>WP3 - eCatalogue</td>
<td>pilot</td>
<td>eCatalogue</td>
<td>Interoperable solutions to manage eCatalogues used as part of a bid for issuing orders in European Public eProcurement procedures</td>
<td>G. De Stefano - CONSIP <a href="http://www.epractice.eu/people/12852">http://www.epractice.eu/people/12852</a> CEN/BII 1 and CEN/BII 2</td>
<td>CEN/BII 1 and CEN/BII 2 eInvPlt</td>
</tr>
<tr>
<td>PPL WP4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>WP4 - eOrdering</td>
<td>pilot</td>
<td>eOrdering</td>
<td>Benchmark of available solutions and implementation of pilot arrangements on the data and process level for the exchange of</td>
<td>S. Krammer <a href="http://www.epractice.eu/people/14280">http://www.epractice.eu/people/14280</a> CEN/BII 1 and CEN/BII 2</td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponso r or respons ible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>-------------</td>
<td>--------------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>----------</td>
<td>--------------</td>
<td>----------------</td>
<td>-----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>PPL WP8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>WP8-Solutions architecture, design and validation</td>
<td>Infrastructure /tools</td>
<td>eNoticing eTendering eAwarding eOrdering eInvoicing</td>
<td>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</td>
<td>M. H. Brun <a href="http://www.epractice.eu/people/1316">http://www.epractice.eu/people/1316</a></td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponso r or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>--------------</td>
<td>--------------------------</td>
<td>--------------------</td>
<td>-----------------</td>
<td>--------------</td>
<td>----------</td>
<td>--------------</td>
<td>-------------------</td>
<td>--------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>STORK- (Secure identity acrOss euRope linKed)</td>
<td>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.</td>
<td>ePractice European eID Observatory <a href="http://epractice.eu/community/eur.eid">http://epractice.eu/community/eur.eid</a></td>
<td>Pilot</td>
<td>eSignature eID</td>
<td>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.</td>
<td>PEPPOL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CWA 16100:1010 Guidelines for the design, implementation and operation of a product property server</td>
<td>In 2010, two projects are carried out within Workshop eCAT. The first project ePPS (electronic product property server) deals with guidelines for the design, implementation and operation of a product property server. A pilot test case run in the heating ventilation, air conditioning sanitary-ware industry.</td>
<td>Christian Galinski</td>
<td>standardisation</td>
<td>eClassification eCatalogue</td>
<td>CEN/WS/eCAT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC3P 2.3.2 CWA 16138:2010 Classification</td>
<td>In 2010, two projects are carried out within Workshop eCAT. The</td>
<td>Christian Galinski</td>
<td>standardisation</td>
<td>eClassification eCatalogue</td>
<td>CEN/WS/eCAT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponsor or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/phases</td>
<td>Short description</td>
<td>Sub-project contact/website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>--------------</td>
<td>------------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>----------</td>
<td>-------------</td>
<td>-----------------</td>
<td>----------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponso or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>--------------</td>
<td>-----------------------</td>
<td>--------------------</td>
<td>------------------</td>
<td>-------------</td>
<td>----------</td>
<td>---------------</td>
<td>-----------------</td>
<td>----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EEG5/TBG6 Architecture, Engineering and Construction</td>
<td>standardisation</td>
<td>eTendering</td>
<td>eTendering Business Process Modelling</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EEG13/TBG19 eGov (eNoticing)</td>
<td>standardisation</td>
<td>eNoticing</td>
<td>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</td>
<td>D. Hardy <a href="http://www.epractice.eu/people/3186">http://www.epractice.eu/people/3186</a> <a href="http://www.cen.eu/cenorm/bussdomains/bussdomains/isss/activity/e-gov.asp">Web site</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponsoresponsible</td>
<td>Objective/Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/phases</td>
<td>Short description</td>
<td>Sub-project contact/website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>--------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>----------</td>
<td>--------------</td>
<td>-----------------</td>
<td>----------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>sponsor or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------------</td>
<td>--------------</td>
<td>------------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>--------------</td>
<td>----------</td>
<td>----------------</td>
<td>------------------</td>
<td>-----------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>TSL</td>
<td>TSL plugtest</td>
<td><a href="http://ec.europa.eu/information_society/policy/esignature/index_en.htm">http://ec.europa.eu/information_society/policy/esignature/index_en.htm</a></td>
<td>ETSI (European Telecommunications Standards Institute)</td>
<td>To enhance cross-border use of electronic signatures by increasing trust in electronic signatures originating from other Member States. The publicly available Trusted Lists will make it much easier for signature recipients to verify the e-signatures by complementing the data that can be retrieved from the e-signature and the qualified certificate and by providing also information on the supervised/ accredited status of Member States’ certification service providers and their services.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In order to allow access to the trusted lists of all Member States in an easy manner, the European Commission has published a central list with links to national “trusted lists”. This central list has been created by the
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Name</th>
<th>Website/case</th>
<th>sponsor or responsible</th>
<th>Objective / Mission</th>
<th>Project Contact</th>
<th>Sub-project</th>
<th>Approach</th>
<th>topics/phases</th>
<th>Short description</th>
<th>Sub-project contact/ website</th>
<th>existing coop. with</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBL</td>
<td>OASIS TC/UBL (The Universal Business Language)</td>
<td><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></td>
<td>OASIS</td>
<td>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</td>
<td>J. Bosak, T. McGrath <a href="http://www.epractice.eu/people/12041">http://www.epractice.eu/people/12041</a> Z. Rendon, J. Bryce Clark, OASIS Staff</td>
<td>standardisation</td>
<td>eTendering eOrdering eInvoicing ePayment eCatalogue</td>
<td>CEN/BII 1 and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acronym</td>
<td>Name</td>
<td>Website/case</td>
<td>Sponsor or responsible</td>
<td>Objective / Mission</td>
<td>Project Contact</td>
<td>Sub-project</td>
<td>Approach</td>
<td>topics/ phases</td>
<td>Short description</td>
<td>Sub-project contact/ website</td>
<td>existing coop. with</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>--------------</td>
<td>------------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>--------------</td>
<td>----------</td>
<td>--------------</td>
<td>-----------------</td>
<td>-------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>CEFACT</td>
<td>UN/CEFACT (United Nations Centre for Trade Facilitation and Electronic Business)</td>
<td><a href="http://www.unece.org/cefact">http://www.unece.org/cefact</a></td>
<td>M. Doran</td>
<td>To encourage 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</td>
<td>M. Doran</td>
<td>TBG1 - Supply Chain</td>
<td>standardisation</td>
<td>eOrdering</td>
<td>eInvoicing</td>
<td>cross-industry eInvoicing and eOrdering schemas</td>
<td>C. Janssen, GS1</td>
</tr>
<tr>
<td></td>
<td>UNECE</td>
<td><a href="http://www.unec">http://www.unec</a></td>
<td>A. Grangard</td>
<td></td>
<td>A. Grangard</td>
<td>TBG6 - Construction</td>
<td>standardisation</td>
<td>eTendering</td>
<td></td>
<td>elaboration of eTendering schemas</td>
<td>J. P. Henninot</td>
</tr>
<tr>
<td></td>
<td>UN/CEFACT</td>
<td><a href="http://www.unec">http://www.unec</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EULab</td>
<td><a href="http://www.co">http://www.co</a></td>
<td>Consip - Italy</td>
<td>To compare the activities and to share useful knowledge among the European procurement agencies</td>
<td>G. L. Albano</td>
<td>TBG19 - eGovernment</td>
<td>standardisation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Forum</td>
<td>eProcurement Forum</td>
<td><a href="http://epractic">http://epractic</a></td>
<td>Community of practitioners for the exchange of eProcurement knowledge and experience</td>
<td>J. Remuinan-Suarez</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Communities and networks**

<table>
<thead>
<tr>
<th>Community</th>
<th>Website</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EULab</td>
<td><a href="http://www.co">http://www.co</a></td>
<td>Consip - Italy</td>
</tr>
<tr>
<td>Forum</td>
<td><a href="http://epractic">http://epractic</a></td>
<td>Community of practitioners for the exchange of eProcurement knowledge and experience</td>
</tr>
</tbody>
</table>

**UN/CEFACT**

(United Nations Centre for Trade Facilitation and Electronic Business)

http://www.unec.org/cefact

http://www.epractic.eu/community/eprocurement

http://www.epractic.eu/people/12471

http://www.coinsip.it/online/Home-Stage-progetti-Progetti/Eulab.html

Consip - Italy

G. L. Albano

http://www.epractic.eu/people/12471

J. Remuinan-Suarez

http://www.epractic.eu/en/people/98108

http://www.unec.org/cefact

http://www.epractic.eu/people/12648

http://www.epractic.eu/people/12307

http://www.epractic.eu/people/12471

http://www.epractic.eu/en/people/98108
# Annex II – Table of Ended Projects

## Map of Activities related to eProcurement

<table>
<thead>
<tr>
<th>Acr.</th>
<th>Name</th>
<th>Website/case</th>
<th>sponsor</th>
<th>Objective/Mission</th>
<th>Project Contact</th>
<th>Sub-project</th>
<th>Approach</th>
<th>topics/phases</th>
<th>Short description</th>
<th>Sub-project contact/website</th>
<th>existing coop. with</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Commission Projects and Initiatives*
| CROBIES | http://ec.europa.eu/information_society/policy/signature/crobies_study/index_en.htm | DG INFSO | the objective of the study on Cross-Border Interoperability of eSignatures (CROBIES) is to propose solutions to remove barriers to cross-border interoperability of qualified electronic signatures and advanced electronic signatures based on qualified certificates. CROBIES concentrates on: supervision and accreditation systems of providers for qualified signature certificates, the establishment of a "Trusted List of supervised/accredited certification service providers interoperability of Secure Signature Creation Devices (SSCDs)." | G. Galler | study | eSignature | PEPPOL, STORK, ETSI |
| --- | --- | --- | --- | --- | --- | --- |
| Evaluation of eProc uptake | http://www.epractice.eu/node/284969 | DG MARKT | To evaluate the uptake of eProcurement especially with regards to the progress achieved under the 2004 Action Plan | Mr. N.Bohan | evaluation | eNoticing eTendering eAwarding eOrdering eInvoicing eCatalogue eAttestation eSignature national eProcurement plans | |
| ePrior | ePrior-eInvoicing and eOrdering Pilot | www.epractice.eu/cases/ePRIOR | DIGIT, DG-MARKT, funded by IDABC | 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. | A.Tosetti, head of unit DIGIT/B4, overall project owner. D. Thunus (http://www.epractice.eu/people/15626) P. Breyne (http://www.epractice.eu/people/12256) T. Chetcuti (http://www.epractice.eu/en/people/tanyachetcuti) | pilot | eInvoicing eOrdering eCatalogues | 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; a connector to the PEPPOL Infrastructure. An open-source version is made available to the MS on OSOR | PEPPOL WP5 - eInvoicing, WP4 - eOrdering, WP3 - eCatalogues, WP8 - Solutions architecture, design and validation, CEN Workshop on eInvoicing Phase 2, eInvoicing Expert Group, CEN BII - Workshop on ‘Business Interoperability Interfaces on public procurement in Europe’ and CEN BII 2 |
### Annex III – Table of Reference Studies

**NOTICE:** For the CEN results (CWAs), please refer to the websites of each single workshop

<table>
<thead>
<tr>
<th>author/main responsible</th>
<th>Other contributors</th>
<th>Result name</th>
<th>Description</th>
<th>URL</th>
<th>Issued on</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>ePrior-eInvoicing and eOrdering Pilot</td>
<td></td>
<td>Open e-Prior</td>
<td>Open e-PRIOR is the open-source version of the e-PRIOR platform, developed and deployed by the Commission to allow the exchange of structured e-Procurement documents between the Commission and its suppliers. Open e-PRIOR provides an opportunity for reusability of an open-source solution that has already been implemented at the Commission and which provides a secure platform for document exchange.</td>
<td><a href="http://www.epractice.eu/en/news/315303">http://www.epractice.eu/en/news/315303</a></td>
<td>May 2009</td>
<td></td>
</tr>
<tr>
<td>DG-ENTR</td>
<td></td>
<td>Summary of responses to the Public Consultation on the Final Report of the Expert Group on e-Invoicing</td>
<td>The Expert Group on e-Invoicing presented in its final report a set of recommendations for an European Electronic Invoicing Framework, supporting the uptake of cross-border interoperable e-Invoicing solutions, with a particular focus for uptake among SMEs. The public consultation on the final report of the Expert Group on e-Invoicing ran from 30 November 2009 to 26 February 2010. It sought to strengthen and deepen the European Commission services’ understanding of the way forward to promote uptake of electronic invoicing within the EU. The objective of this consultation was to collect stakeholders’ reactions on the recommendations proposed by the Expert Group on e-Invoicing in the areas of business requirements, legal framework, interoperability and standards, as well as the proposed approach for implementation and communication. All citizens and organisations were welcome to contribute. Contributions were particularly sought from SMEs, large enterprises, service providers, standardisation bodies and public authorities. The present document is a summary of the 87 responses received on the occasion of this public consultation.</td>
<td><a href="http://www.epractice.eu/en/library/318009">http://www.epractice.eu/en/library/318009</a></td>
<td>May 2010</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
<td>URL</td>
<td>Issued</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------------------------</td>
<td>--------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Study on the standardisation aspects of eSignature (CROBIES)</strong></td>
<td>The CROBIES study looks at eSignature interoperability in general, but specifically in the context of cross-border use. While considering a consistent global and long-term approach in proposed improvements at the legal, technical and trust levels, CROBIES is also focusing on quick wins that could substantially improve the interoperability of electronic signatures.</td>
<td><a href="http://www.epractice.eu/en/library/320061">http://www.epractice.eu/en/library/320061</a></td>
<td>Mar 2010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Standard Basic eOrdering Format and Data Structure</strong></td>
<td>The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.</td>
<td><a href="http://www.epractice.eu/en/library/293106">http://www.epractice.eu/en/library/293106</a></td>
<td>Jul 09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues</strong></td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/library/293105">http://www.epractice.eu/en/library/293105</a></td>
<td>Jul 09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PEPPOL Infrastructure Open for Early Adopters</strong></td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/news/289667">http://www.epractice.eu/en/news/289667</a></td>
<td>May 09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Functional and non-functional requirements specification for the VCD</strong></td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/library/292099">http://www.epractice.eu/en/library/292099</a></td>
<td>May 09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>author/main responsible</td>
<td>Other contributors</td>
<td>Result name</td>
<td>Description</td>
<td>URL</td>
<td>Issued on</td>
<td>Other</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-----</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>PEPPOL WP1</td>
<td></td>
<td>Requirements for Use of Signatures in Public Procurement Processes</td>
<td>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)</td>
<td><a href="http://www.epractice.eu/en/library/292100">http://www.epractice.eu/en/library/292100</a></td>
<td>Apr 09</td>
<td></td>
</tr>
<tr>
<td>ePrior-eInvoicing and eOrdering Pilot</td>
<td></td>
<td>Analysis of Business Requirements for eInvoicing</td>
<td>The report is one of the deliverables of the IDABC eInvoicing &amp; eOrdering pilot project; it contains the results of the business requirements gathering process for eInvoicing in a public procurement context.</td>
<td><a href="http://epractice.eu/en/library/288906">http://epractice.eu/en/library/288906</a></td>
<td>Mar 09</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEPPOL WP4</td>
<td>work done in close connection with CEN BII</td>
<td>Standard Basic eOrdering Format and Data Structure</td>
<td>The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.</td>
<td><a href="http://www.epractice.eu/en/library/293106">http://www.epractice.eu/en/library/293106</a></td>
<td>Jul 09</td>
<td></td>
</tr>
<tr>
<td>PROCURE</td>
<td></td>
<td>Electronic Signatures as Obstacles for Cross-Border eProcurement in Europe – Lessons from the PROCURE project</td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/library/292080">http://www.epractice.eu/en/library/292080</a></td>
<td>Jun 09</td>
<td></td>
</tr>
<tr>
<td>PEPPOL WP8</td>
<td></td>
<td>PEPPOL Infrastructure Open for Early Adopters</td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/news/289667">http://www.epractice.eu/en/news/289667</a></td>
<td>May 09</td>
<td></td>
</tr>
<tr>
<td>PEPPOL WP8</td>
<td></td>
<td>PEPPOL Infrastructure Open for Early Adopters</td>
<td>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.</td>
<td><a href="http://www.epractice.eu/en/news/289667">http://www.epractice.eu/en/news/289667</a></td>
<td>May 09</td>
<td></td>
</tr>
<tr>
<td>author/main responsible</td>
<td>Other contributors</td>
<td>Result name</td>
<td>Description</td>
<td>URL</td>
<td>Issued on</td>
<td>Other</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-----</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>DG-MARKT</td>
<td></td>
<td>Commission survey on uptake of eProcurement</td>
<td>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</td>
<td><a href="http://www.epractice.eu/node/284989">http://www.epractice.eu/node/284989</a></td>
<td>Jan 09</td>
<td></td>
</tr>
<tr>
<td>CEN/ISS elinvoicing 2</td>
<td>Fiscalis</td>
<td>elInvoice Best practice</td>
<td>Guidelines (Excel file) and Commentary - Draft version</td>
<td><a href="http://www.epractice.eu/node/281857">http://www.epractice.eu/node/281857</a></td>
<td>Jul 08</td>
<td></td>
</tr>
<tr>
<td>DG-MARKT</td>
<td></td>
<td>Verification of compliance with the Public Procurement -Final Report</td>
<td>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</td>
<td><a href="http://www.epractice.eu/node/281800">http://www.epractice.eu/node/281800</a></td>
<td>Oct 07</td>
<td></td>
</tr>
<tr>
<td>DG-MARKT</td>
<td></td>
<td>Electronic transmission of public procurement notices for publication</td>
<td>A study to determine different scenarios for introducing a system of mandatory eNotification in a coherent regulatory and technical environment.</td>
<td><a href="http://www.epractice.eu/node/281802">http://www.epractice.eu/node/281802</a></td>
<td>Set 07</td>
<td></td>
</tr>
<tr>
<td>IDABC-DG MARKT</td>
<td></td>
<td>IDABC XML Schemas for Public Procurement</td>
<td>The eProcurement XML schemas initiative aimed at proposing a set of generic XML schemas to support the automation of data exchanges in the different phases of electronic public procurement.</td>
<td><a href="http://www.epractice.eu/node/281836">http://www.epractice.eu/node/281836</a></td>
<td>Jan 05</td>
<td>study funded by IDABC in context of EU eProcurement Action plan</td>
</tr>
</tbody>
</table>
## Annex IV – Table of Referenced Legal Acts

<table>
<thead>
<tr>
<th>author/main responsible</th>
<th>Other contributor(s)</th>
<th>Result name</th>
<th>Description</th>
<th>URL</th>
<th>Issued on</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG-MARKT</td>
<td></td>
<td>Preliminary Study on eCertificates and eAttestations - Final Report and National Country Profiles</td>
<td>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</td>
<td><a href="http://www.epractice.eu/node/281843">http://www.epractice.eu/node/281843</a></td>
<td>Sep 08</td>
<td></td>
</tr>
<tr>
<td>DG-MARKT</td>
<td></td>
<td>New Common Procurement Vocabulary</td>
<td>Regulation (EC) 213/2008 revising the Common Procurement Vocabulary (CPV) used to describe the subject of procurement contracts.</td>
<td><a href="http://www.epractice.eu/node/281871">http://www.epractice.eu/node/281871</a></td>
<td>Sep 08</td>
<td></td>
</tr>
</tbody>
</table>