



The eProcurement Map

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

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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

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

Approach: infrastructure/tools

Topics/phases: eSignature

Cooperation with: CROBIES, ETSI TC/ESI

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. Boubilil

Dates (start, end): Q1 2008 – Q4 2013

Topic/phases: eInvoicing, ePayment

More information:

http://ec.europa.eu/taxation_customs/taxation/tax_cooperation/fiscalis_programme/fiscalis2013/index_en.htm

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/eInvoiceBestPractice/>

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-INFOS (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

Website/case: <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>)

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>)

A. Mondorf (<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>)

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>)

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

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

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>)

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>)

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

Contacts: Jens Jakob Andersen (<http://www.epractice.eu/en/people/9340>)

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>)

A.Varghese (<http://www.epractice.eu/en/people/14886>)

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

Approach: pilot

Topics/phases: eSignature, eID

Cooperation with: PEPPOL WP1

More information: https://www.eid-stork.eu/index.php?option=com_processes&act=list_documents&s=1&Itemid=60&id=312

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

More information: http://www.cen.eu/CEN/sectors/sectors/iss/activity/Pages/wsecat_epps.aspx

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 eCI@ss). 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

More information: http://www.cen.eu/CEN/sectors/sectors/isss/activity/Pages/wsecat_epps.aspx

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>).

Sponsors or responsible organisations: CEN

Contacts: S.Feder

Jostein Frømyr (<http://epractice.eu/en/people/12164>)

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

More information: 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>)

B. Longhi (<http://www.epractice.eu/people/2612>)

Dates (start, end): Q2 2006, ongoing

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/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

Website: <http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Pages/eBESWG.aspx>,
<http://www.smdg.org/tbg3/>

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/cen/Sectors/Sectors/ISSS/Activity/Pages/e-gov.aspx>

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/cen/Sectors/Sectors/ISSS/Activity/Pages/e-gov.aspx>

Approach: standardisation

Topics/phases: eArchiving

2.3.5 CEN - Workshop on eInvoicing Phase 3 (CEN WS/INV3)

Objective/Mission: The work in the first two phases of the CEN eInvoicing Workshop has demonstrated the need for a common stakeholder understanding of the means to implement electronic invoicing. The Expert Group on eInvoicing, 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 eInvoicing 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 eInvoicing 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

More information: http://www.cen.eu/CEN/sectors/sectors/iss/activity/Pages/einvoicing_2.aspx,
<http://www.e-invoice-gateway.net/>

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. Compans – ETSI (<http://www.epractice.eu/en/people/86050>), ESIsupport@etsi.org

Approach: standardisation

Topics/phases: eSignature, Registered Electronic Email

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

More information: http://portal.etsi.org/esi/esi_activities.asp and <http://portal.etsi.org/esi/ActivityReport2009.asp>

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

More information:

http://ec.europa.eu/information_society/policy/esignature/eu_legislation/trusted_lists/index_en.htm

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. Frømyr (<http://epractice.eu/en/people/12164>) - EDISYS

Approach: standardisation

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

More information: <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>), 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'

More information: http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl

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>)

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 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>)

Didier Hardy (<http://www.epractice.eu/en/people/3186>)

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>

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/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

More information:

http://ec.europa.eu/information_society/policy/esignature/crobies_study/index_en.htm

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

More information: <http://www.epractice.eu/cases/ePRIOR> and <http://www.osor.eu/projects/openeprior>

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.

Download: <http://www.epractice.eu/en/news/315303>

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.

Download: <http://www.epractice.eu/en/library/318009>

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.

Download: <http://www.epractice.eu/en/library/320061>

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.

Download: <http://www.epractice.eu/en/library/321692>

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.

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

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.

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

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.

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

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.

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

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.

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

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).

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

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)

Download: <http://www.epractice.eu/en/library/320397>

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.

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

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>

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>

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;

Volume III – eCatalogues: Report on preliminary functional requirements.

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

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

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 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

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
CROBIES	Cross-Border Interoperability of eSignatures
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 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	Nothern European Subset
OASIS	Organization for the Advancement of Structured Information Standards
PKI	Public Key Infrastructure
TC/UBL	Universal Business Language (UBL) Technical Committee
TSL	Trusted Lists
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											
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Acronym	Name	Website/ case	sponsor or responsi ble	Objective / Mission	Project Contact	Sub-project	Approach	topics/ phases	Short description	Sub-project contact/ website	existing coop. with
Commission Projects and Initiatives											
e-CERTIS	e-CERTIS		DG MARKT	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.	M. Tardioli (http://www.epractice.eu/en/people/93603)		study, tool	eTendering (eAttestation)			

Acronym	Name	Website/ case	sponsor or responsi ble	Objective / Mission	Project Contact	Sub-project	Approach	topics/ phases	Short description	Sub-project contact/ website	existing coop. with
<i>Essi</i>	ESSI		DG-DIGIT	To provide the ESSI PKI services and the ESSI Application Platform to be used by the ESSI stakeholders	P.Schneider (http://www.epractice.eu/en/people/86664)		infrastructure/tools	eSignature			EFVS, ETSI TC/ESI
	Evaluation of eProc uptake	http://www.epractice.eu/nod/e/284989	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			
<i>Fiscalis</i>	Fiscalis 2013	http://ec.europa.eu/taxation_customs/taxation/tax_cooperation/fiscalis_programme/fiscalis2013/index_en.htm	DG-TAXUD	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.	D. Boubilil	Activity "audit of invoicing"	standardisation	eInvoicing, ePayment	Producing of audit standards (guidance paper), training standards, audit facilitation and practical compliance	Contact Person: G.Vandenakker http://www.e-invoice-gateway.net/knowledgebase/eInvoiceBestPractice/	CEN Workshop on eInvoicing Phase 2, ePrior - eInvoicing and eOrdering Pilot ,eInvoicing Expert Group - ST 1- Regulatory Framework stream

Acronym	Name	Website/ case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/ phases	Short description	Sub-project contact/ website	existing coop. with
Pilots											
PPL WP1	PEPPOL	www.peppol.eu	DG- INFSO (CIP ICT/PSP programme)	Large scale pilot to set up integrated solutions for cross border eProcurement	Coordinator: Norwegian Agency for Public Management and eGovernment	WP1- eSignature	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 http://www.epractic.eu/people/5417 Free Hanseatic City of Bremen	STORK
PPL WP2						WP2- Virtual Company Dossier	pilot	eAttestation	Interoperable solutions for economic operators in any European country to submit certificates and attestations electronically to any procurement agency	M.Wimmer University of Koblenz http://www.epractic.eu/people/7317 A. Mondorf http://www.epractic.eu/people/11712 peppol@uni- koblenz.de	
PPL WP3						WP3 - eCatalogue	pilot	eCatalogue	Interoperable solutions to manage eCatalogues used as part of a bid and for issuing orders in European Public eProcurement procedures	G.De Stefano - CONSIP http://www.epractic.eu/people/12322	CEN/BII 1 and CEN/BII 2
PPL WP4						WP4 - eOrdering	pilot	eOrdering	Benchmark of available solutions and implementation of pilot arrangements on the data and process level for the exchange of	S. Kramer http://www.epractic.eu/people/14289	CEN/BII 1 and CEN/BII 2 eInvPit

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/ website	existing coop. with
									eOrdering documents		
PPL WP5						WP5-eInvoicing	pilot	eInvoicing	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 http://www.epractice.eu/people/KlausVilstrupPedersen B.Skulason http://www.epractice.eu/en/people/2601	eInvPlt, CEN/BII 1 and CEN/BII 2, eINV EG
PPL WP6						WP6-Project Management	pilot	Management of Project	Project management	A. Hoddevik http://www.epractice.eu/people/854	
PPL WP7						WP7-Consensus and awareness building	dissemination/cooperation set-up	eNoticing eTendering eAwarding eOrdering eInvoicing	Dissemination and consensus building around the project's achievements	J.Werner http://www.epractice.eu/en/people/98217 M. Bodirosa http://www.epractice.eu/people/11710	eProc FORUM
PPL WP8						WP8-Solutions architecture, design and validation	Infrastructure /tools	eNoticing eTendering eAwarding eOrdering eInvoicing	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 http://www.epractice.eu/people/1316	

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
Stork	STORK-(Secure idenTity acrOss euRope linKed)	https://www.eid-stork.eu/index.php?option=com_processs&act=list_documents&s=1&Itemid=60&id=312 http://www.eid-stork.eu/	DG INFISO	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 http://epractice.eu/community/eur/eid J. Stienen http://epractice.eu/en/people/7828 A.Varghese http://www.epractice.eu/en/people/14886		Pilot	eSignature eID	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.		PEPPOL
Standardisation											
ePPS	CWA 16100:1010 Guidelines for the design, implementation and operation of a product property server	http://www.cen.eu/CEN/sectors/sectors/iss/activity/Pages/wsecat_eps.aspx/	CEN	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.	Christian Galinski			standardisation	eClassification eCatalogue		CEN/WS/eCAT
CC3P	2.3.2 CWA 16138:2010 Classificatio	http://www.cen.eu/CEN/sectors/sectors/iss/	CEN	In 2010, two projects are carried out within Workshop eCAT. The	Christian Galinski			standardisation	eClassification eCatalogue		CEN/WS/eCAT

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
	Classification and catalogue systems used in electronic procurement	ss/activity/Pages/wsecat_eps.aspx/		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 eCI@ss). The CC3P project will propose harmonization, mapping methodologies, recommendation on their use in electronic catalogues and areas of improvement in the CPV.							

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/ website	existing coop. with
eBES	CEN eBES	http://www.cen.eu/sh/ebes	CEN	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, http://www.epractice.eu/people/4922 B. Longhi http://www.epractice.eu/people/2612	EEG1/TBG1 Supply-chain and eProcurement	standardisation	eOrdering eInvoicing eCatalogue	Cross-industry processes and transactions: eInvoicing, eOrdering, eCatalogues among others	El-Khoury http://www.epractice.eu/people/12948 web site http://www.cen.eu/cenorm/businessdomains/issuessdomains/issuessdomains/issuessdomains/activity/eeg1.asp	
						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 http://www.epractice.eu/people/3186 Web site http://www.cen.eu/cenorm/businessdomains/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp	
						EEG13/TBG19 eGov (eArchiving)	standardisation	eArchiving	to define processes and formats for the transfer of electronic records	S. Colas http://www.epractice.eu/people/12307 http://www.cen.eu/cenorm/businessdomains/businessdomains/issuessdomains/issuessdomains/activity/e-gov.asp	

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
CEN WS/INV 3	CEN - Workshop on eInvoicing Phase 3 (CEN WS/INV3)	http://www.cen.eu/CEN/sectors/sectors/iss/activity/Pages/einvoicing2.aspx , http://www.e-invoice-gateway.net/	CEN	<p>The overall target of Phase 3 will be “Integration of efforts in standardisation and developments”.</p> <p>This CEN e-invoice Platform will:</p> <ul style="list-style-type: none"> • 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. 	<p>S. Engel-Flechsig (http://www.epractice.eu/en/people/90087)</p> <p>A. Grangard (http://www.epractice.eu/en/people/13432)</p>						CEN Workshop on Business Interoperability Interfaces for public procurement in Europe (CEN WS/BII), PEPPOL.
ESI	ETSI TC/ESI	http://portal.etsi.org/esi/e-sign.asp	ETSI	TC ESI is responsible for Electronic Signatures and Infrastructures standardization within ETSI.	S. Compans – ETSI (http://www.epractice.eu/en/people/86050), ESIsupport@etsi		standardisation	eSignature			CEN - Workshop on eInvoicing Phase 2

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
					i.org						
TSL	TSL plugtest	http://ec.europa.eu/information_society/policy/esignature/eu_legislation/trusted_lists/index_en.htm	ETSI (European Telecommunications Standards Institute)	<p>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.</p> <p>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</p>			services	eSignature			

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/website	existing coop. with
				Directorate General for Informatics under the IDABC-programme in close collaboration with Directorates-General Internal Market and Services and Information Society and Media							
NES	NES/UBL (Northern European Subset)	http://www.nesubl.eu/	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.Frømyr http://epractice.eu/en/people/12164		standardisation	eTendering eOrdering eInvoicing ePayment eCatalogue			
UBL	OASIS TC/UBL (The Universal Business Language)	http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl	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 http://www.epracticetice.eu/people/12041 Z. Rendon, J. Bryce Clark, OASIS Staff Contact		standardisation	eTendering eOrdering eInvoicing ePayment eCatalogue			CEN/BII 1 and

Acronym	Name	Website/case	sponsor or responsible	Objective / Mission	Project Contact	Sub-project	Approach	topics/phases	Short description	Sub-project contact/ website	existing coop. with
UN/CEFACT	UN/CEFACT (United Nations Centre for Trade Facilitation and Electronic Business)	http://www.unce.org/cefact/	UNECE	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	M. Doran UN/Cefact A. Grangard http://www.epractice.eu/people/13432	TBG1 - Supply Chain	standardisation	eOrdering eInvoicing	cross-industry eInvoicing and eOrdering schemas	C.Janssen, GS1 Netherlands	UBL, TBG19, eBES
						TBG6 - Construction	standardisation	eTendering	elaboration of eTendering schemas		TBG19, eBES
						TBG19 - eGovernment	standardisation			J.P. Henninot http://www.epractice.eu/people/12648 S. Colas http://www.epractice.eu/people/12307	
Communities and networks											
EULab	EULab	http://www.consip.it/online/Home/Studieprogetti/Progetti/Eulab.html	Consp - Italy	To compare the activities and to share useful knowledge among the European procurement agencies	G.L.Albano http://www.epractice.eu/people/12471		dissemination/ cooperation set-up	eNoticing eTendering eAwarding eOrdering eInvoicing			
Forum	eProcurement Forum	http://epractice.eu/community/eprocurement	IDABC	Community of practitioners for the exchange of eProcurement knowledge and experience	J.Remuinan-Suarez http://www.epractice.eu/en/people/88108		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
<i>Commission Projects and Initiatives</i>											

	CROBIES	http://ec.europa.eu/information_society/policy/esignature/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 Public profile: http://www.epractice.eu/en/people/3894		study	eSignature			PEPPOL, STORK, ETSI
	Evaluation of eProc uptake	http://www.epractice.eu/node/284989	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			
Pilots											

ePrior	ePrior- eInvoicing and eOrdering Pilot	www.epractice.eu/cases/ePRIOR OR www.osor.eu/projects/openeprior	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/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
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Annex III – Table of Reference Studies

NOTICE: For the CEN 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		Open e-Prior	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.	http://www.epractice.eu/en/news/315303	May 2009	
DG-ENTR		Summary of responses to the Public Consultation on the Final Report of the Expert Group on e-Invoicing	<p>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.</p> <p>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.</p> <p>The present document is a summary of the 87 responses received on the occasion of this public consultation.</p>	http://www.epractice.eu/en/library/318009	May 2010	

author/main responsible	Other contributors	Result name	Description	URL	Issued on	Other
SEALED, time.lex and Siemens		Study on the standardisation aspects of eSignature (CROBIES)	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	http://www.epractice.eu/en/library/320061	Mar 2010	
eInvoicing Expert Group		Final report of the Expert Group on invoicing	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.	http://www.epractice.eu/en/library/321692	Jan 2009	
ETSI TC/ESI		Multipart standard for Advanced Electronic Signatures for Portable Document Format (PDF) documents	The standard defines a series of profiles for PAdES - Advanced Electronic Signatures for Portable Document Format (PDF) documents	http://www.epractice.eu/en/news/293700	Set 09	
PEPPOL WP4	work done in close connection with CEN BII	Standard Basic eOrdering Format and Data Structure	The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.	http://www.epractice.eu/en/library/293106	Jul 09	
PEPPOL WP3		Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues	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.	http://www.epractice.eu/en/library/293105	Jul 09	
PEPPOL WP8		PEPPOL Infrastructure Open for Early Adopters	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.	http://www.epractice.eu/en/news/289667	May 09	
PEPPOL WP2		Functional and non-functional requirements specification for the VCD	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.	http://www.epractice.eu/en/library/292099	May 09	

author/main responsible	Other contributors	Result name	Description	URL	Issued on	Other
PEPPOL WP1		Requirements for Use of Signatures in Public Procurement Processes	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)	http://www.epractice.eu/en/library/292100	Apr 09	
NES Consortium		NES Schematron Validation Tool	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)	http://www.epractice.eu/en/library/320397	Mar 2009	
ePrior-eInvoicing and eOrdering Pilot		Analysis of Business Requirements for eInvoicing	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.	http://epractice.eu/en/library/288906	Mar 09	
DG-MARKT		Commission survey on uptake of eProcurement	Commission launches survey to assess up-take and experience of practitioners	http://www.epractice.eu/node/284989	Jan 2009	
PEPPOL WP4	work done in close connection with CEN BII	Standard Basic eOrdering Format and Data Structure	The report analyses the main initiatives and standardization approaches related to eOrdering that have been launched in the last years.	http://www.epractice.eu/en/library/293106	Jul 09	
PROCURE		Electronic Signatures as Obstacles for Cross-Border eProcurement in Europe – Lessons from the PROCURE project	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.	http://www.epractice.eu/en/library/292080	Jun 09	
PEPPOL WP8		PEPPOL Infrastructure Open for Early Adopters	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.	http://www.epractice.eu/en/news/289667	May 09	
PEPPOL WP8		PEPPOL Infrastructure Open for Early Adopters	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	http://www.epractice.eu/en/news/289667	May 09	

author/main responsible	Other contributors	Result name	Description	URL	Issued on	Other
			and other components.			
DG-MARKT		Commission survey on uptake of eProcurement	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	http://www.epractice.eu/node/284989	Jan 09	
CEN/ISS eInvoicing 2	Fiscalis	eInvoice Best practice	Guidelines (Excel file) and Commentary - Draft version	http://www.epractice.eu/node/281857	Jul 08	
eInvoicing Expert Group		1st status report of the Expert Group on eInvoicing	Status report from the Expert Group on eInvoicing	http://www.epractice.eu/node/281818	Jan 08	
DG-MARKT		Electronic Catalogues in Electronic Public Procurement- Final Report	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.	http://www.epractice.eu/node/281801	Nov 07	study funded by IDABC in context of EU eProcurement Action plan
DG-MARKT		Verification of compliance with the Public Procurement -Final Report	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	http://www.epractice.eu/node/281800	Oct 07	
DG-MARKT		Electronic transmission of public procurement notices for publication	A study to determine different scenarios for introducing a system of mandatory eNotification in a coherent regulatory and technical environment.	http://www.epractice.eu/node/281802	Set 07	
IDABC-DG MARKT		IDABC XML Schemas for Public Procurement	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.	http://www.epractice.eu/node/281836	Jan 05	
DG-MARKT		Functional Requirements for eProcurement	Report on Functional Requirements for conducting eProcurement under the EU framework Vol.I-main requirements Vol.II-background	http://www.epractice.eu/node/281505	Jan 05	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		eSignature & eAuthentication Action Plan	Action Plan on eSignatures and identification to facilitate the provision of crossborder public services in the Single Market	http://www.epractice.eu/node/281876	Nov 08	
DG-MARKT		Preliminary Study on eCertificates and eAttestations - Final Report and National Country Profiles	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	http://www.epractice.eu/node/281843	Sep 08	study funded by IDABC in context of EU eProcurement Action plan
DG-MARKT		New Common Procurement Vocabulary	Regulation (EC) 213/2008 revising the Common Procurement Vocabulary (CPV) used to describe the subject of procurement contracts.	http://www.epractice.eu/node/281871	Sep 08	
DG-MARKT		eNoticing forms	Regulation (EC) 1564/2005 establishing standard forms for the publication of procurement notices in the OJEU	http://www.epractice.eu/node/281633	Oct 05	
DG-MARKT		eProcurement Action Plan	Action plan for the implementation of the new EU legal framework for electronic public procurement	http://www.epractice.eu/node/281022	Dec 04	

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