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## **Business Interoperability Interfaces for Public procurement in Europe - Part 3: Toolbox Requirements**

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## Foreword

This CWA is part 3 of a multi-parts CWA. It has been prepared by the CEN/ISSS Workshop on Business Interoperability Interfaces for Public procurement in Europe (WS/BII).

The multi-parts CWA has been officially approved at the final WS/BII Plenary Meeting on 4 November 2009.

The current document is: Part 3 - Toolbox Requirements

The different parts of the multi-parts CWA are:

- Part 0: Introduction
- Part 1: Profile overview
- Part 2: Convergence and gap analyses
- Part 3: Toolbox Requirements
- Part 4: Evaluation guidelines for testing and piloting

Here is the list of the companies which have officially endorsed the multi-parts CWA:

A.N.C.R.T.I. – Romania

BMF – Austria

Bos | Bremen online services GmbH & Co. KG – Germany

Cel e-Procurement FOD Personeel en Organisatie – Belgium

CONSIP S.p.A – Italy

CSI Piemonte – Italy

Danske Regioner – Denmark

Document Engineering Services Ltd. – United Kingdom

D.G. Patrimonio del Estado/Ministerio de Economia – Spain

EDI & Business Integration MACH ApS – Denmark

ENEA – Italy

GS1 Europe – Netherlands

IBM – Denmark

INFOCERT spa – Italy

Innovasion – Denmark

International Surety Association (ISA) – Holland

JustSystems EMEA Limited – United Kingdom

KSZF – Hungary

Logica – Denmark

Microsoft Denmark ApS – Denmark

Ministère des Travaux Publics – Luxembourg

Ministerie van Economische Zaken – Holland

National IT and Telecom Agency – Denmark

NEXUS IT – Spain

Norstella foundation – Norway

Norwegian eProcurement Secretariat – Norway

PricewaterhouseCoopers Enterprises Advisory – Belgium

Supplier e-enablement & P2P Manager eProcurement Scotland Programme Office – United Kingdom

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## Introduction

To ease the adoption of the BII technical specifications in business software and to ensure technical interoperability, collections of core requirements have been identified and addressed. The focus has been to identify and prioritise the most important requirements for tools, architectures or standards for the different capabilities required when developing electronic procurement systems. Depending on the functionality to be provided or the issue to be solved in each case, and the available deliverables already on the market, this document provides:

- Sets of requirements or specifications for the tools to be developed, and for conformance verification of newly developed or already existing tools
- Sample utilities, templates, stylesheets and other artefacts aimed at easing the work of tools providers and end users
- Guidelines or profiles for articulating tools and operations along a process to ensure interoperability and conformance.

Several European initiatives are already undertaken particularly in the fields of pan-European cross-border electronic identity management and in electronic signatures. Therefore, in order to avoid duplication of work and ensure alignment with overall European strategies when addressing this kind of issues, the workshop is leveraging the outcomes and deliverables from these initiatives, focusing new work on specific electronic procurement needs not covered by them.

An important initiative is the large-scale pilot for electronic procurement won by the international consortium, PEPPOL<sup>1</sup>, which is part of European's Commission's "Competitiveness and Innovation Framework Programme" (CIP) and, within this, especially the "Information Communication Technologies Policy Support Programme" (ICT PSP). The workshop has collaborated with members from different Work Package groups in PEPPOL ensuring that CWA recommendations are directly usable in pilots developed under the umbrella of PEPPOL.

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<sup>1</sup> Pan-European Public Procurement OnLine, see [www.peppol.eu](http://www.peppol.eu)

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# 1 Scope

## 1.1 General

The present document establishes guidance on architectures and requirements for tools to be considered when deploying cross-border electronic procurement systems using technical specifications defined in this CWA in the form of Business Profiles.

When implementing electronic procurement systems in a pan-European cross-border environment, there are different aspects to be covered to solve interoperability issues that arise due to the lack of a European-wide common legislation or to the different standards or tools that may address a specific issue.

The present document is applicable to security, contents and transport issues that arise when deploying the technical specifications in Part 1 of this CWA.

The main purpose of the present document is to provide information on alternatives and recommendations on the main aspects applicable when implementing profiles to build electronic procurement systems. Although the main focus is on public procurement procedures where legal aspects apply, the same tools and architectures can be used when developing and deploying electronic procurement systems in the private sector.

## 1.2 Structure

This part of the CWA is intended to serve as a reference. The annexes do not necessarily have dependencies between each other but are meant to familiarise the reader with the different areas that need to be taken into account to fulfil legal and functional requirements when implementing electronic procurement systems. There are normative and informative annexes.

The Normative Annexes of this Part of the CWA are:

- Annex A on Document Management with guidance on how to create, manage and visualize electronic document instances. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-A-DocumentManagement\\_d07.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-A-DocumentManagement_d07.doc)
- Annex B on Conformance Testing that defines the mechanism to validate instances against the structure and business rules defined in the CEN BII Profiles. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-B-ConformanceTesting\\_d09.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-B-ConformanceTesting_d09.doc)
- Annex C on Transport Infrastructure, to define mechanisms for national transport infrastructures connection. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-C-TransportInfrastructure\\_d06.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-C-TransportInfrastructure_d06.doc)
- Annex D on Governance to provide guidance on the requirement for setting a governance model for CEN BII technical specifications. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-D-Governance\\_d07.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-D-Governance_d07.doc)

The Informative Annexes of this Part of the CWA are:

- Annex E on Submission of Evidences, a specific set of requirements to let the public sector identify and authenticate participants in public contests. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-E-VirtualCompanyDossier\\_d03.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-E-VirtualCompanyDossier_d03.doc)
- Annex F on Electronic Catalogues and Classifications to provide guidance on how to align buyer oriented catalogues with vendor oriented catalogues and classifications. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-F-eCatalogues\\_d06.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-F-eCatalogues_d06.doc)
- Annex G on Tender Submission where some alternatives are suggested to exchange this special type of document fulfilling European legal requirements. See: [http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-G-TenderSubmission\\_d10.doc](http://www.cen.eu/cwa/bii/specs/Tools/documents/BII3-G-TenderSubmission_d10.doc)