**CEN ISSS workshop BII**

**Working group 2**

**UBL-UN/CEFACT convergence**

**CWA – WG2 Draft version**

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The bulk of the document then starts as a new section. One can adapt the CWA reference in the Header to contain the working document reference. It is only the final draft that should contain the CWA reference in the Header.

It is the intention that this template be improved with experience. For questions and comments, please contact luc.vandenberghe@cenorm.be

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# Foreword

This CWA is part 2 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.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of CEN: AENOR, AFNOR, ASRO, BSI, CSNI, CYS, DIN, DS, ELOT, EVS, IBN, IPQ, IST, LVS, LST, MSA, MSZT, NEN, NSAI, ON, PKN, SEE, SIS, SIST, SFS, SN, SNV, SUTN and UNI.

The current document is: Part 2 - Convergence and gap analyses

The different parts of the multi-parts CWA are:

* Part 0: Introduction
* Part 1: Profile overview
* Part 2: UBL-UN/CEFACT convergence
* 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 Secretariaat – Norway

PricewaterhouseCoopers Enterprises Advisory – Belgium

Supplier e-enablement & P2P Manager eProcurement Scotl@nd Programme Office – Scotland

SFTI – Sweden

SKI – Denmark

UNISYS – Belgium

University of Koblenz-Landau – Germany

This CWA contains the main deliverable as well as references to those attachments that together with the form the CEN ISSS BII WG2 deliverables. The focus for WG2 has been to provide support for UBL-UN/CEFACT convergence process is to ensure that the requirements of the workshop are met by the unified business documents from UN/CEFACT whenever they are ready

The CWA and its attachments contain the following main entities:

* **BII/CCL mapping:**

GAP analysis describing the differences and mapping between UN/CEFACT CCL and BUY-SHIP-PAY data model and the Workshop requirements

* **ISO20022 mapping:**

GAP analysis describing the differences between ISO20022 Invoice and the requirements identified by the Workshop.

* BII UBL-UN/CEFACT Convergence WG2 CWA – this document

# 1 Scope

The present document together with the attachments gives defines result of the convergence between UBL and UN/CEFACT standards in relation to the need and requirements from the workshop.

The purpose of the work with UBL-UN/CEFACT convergence process is to ensure that the requirements of the workshop are met by the unified business documents from UN/CEFACT whenever they are ready. The activities include:

* GAP analysis and reviews
* Preparing requirement specifications
* Defining Change Request
* Verifying that requirements are fulfilled

The purpose of the work in WG2 is to ensure that the requirements of the workshop are met in the unified business documents from UN/CEFACT whenever they are ready. WG2 performs gap analysis, prepares requirement specifications and works together with other workshop groups and external groups (like TBG1 from UN/CEFACT). The results from the group will be used in the convergence work between the business requirements from UN/CEFACT and the requirements from the workshop.

This includes attendance to the TBG1 f2f-meetings and all UN/CEFACT Forum meetings since Vancouver Forum in 2006

# 2 Normative References

The following normative documents contain provisions that, through reference in this text, constitute provisions of this CWA. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this CWA are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

## 2.1 Technical references

* [Universal Business Language (UBL) v2.0](http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html) OASIS Standard December 2006
* [ISO 20022 Universal financial industry message scheme](http://www.iso20022.org/UNIFI_ISO20022_standard.page)
* [UN/CEFACT CCL version 08B](http://www.unece.org/cefact/codesfortrade/codes_index.htm)

# 4 BII UBL-UN/CEFACT Convergence WG2

## 4.1 Introduction

The GAP analysis delivered are based on UN/CEFACT CCL 08B and ISO 20022 standard.

**Clarification regarding the description of the deliverable "BSP-gap"**

The data model that was previously called BSP is in the CCL08B included in the UN/CEFACT Reference Component Library containing all parts of the CCL, including the UN/CEFACT Message Components Library, as harmonised by the International Trade and Business Processes Group (TBG). The GAP-analysis between the BII requirements and UN/CEFACT business information entities are based on this set of components previously named Buy-Ship-Pay. The change of naming was decided after WG2 defined the deliverables.

The business information entities used in the Cross Industry Invoice are all present in the reference model even though they are slightly differently named. To have a more accurate mapping will require WG2 to use CCL09A or CCL09B but none of those were harmonized or audited at the time the gap analysis took place.

**ISO20022 requirements**

Information entities needed to perform a ISO20022 and SEPA compliant payment.

## 4.2 Observations form GAP Analysis

### 4.2.1 Purpose with gap-analysis

The use of GAP Analysis in this context is as a tool to validate the degree of requirement fulfilment

Guidance to syntax mapping against UN/CEFACT standards

Support document for the continued efforts to have all BII requirements met by UN/CEFACT

### 4.2.2 Types of gaps

**Gaps in CCL Core components**

A core component (ACC, BCC or ASCC) gap means that the information entity is not only missing in the contextualized component but also in the actual core component. The report point out where these gaps are but it does not stipulate any given modelling solution. It is expected that many of the identified gaps will be solved by the ongoing convergence work, especially since the components related to ordering, catalogue, despatch advice are not yet part of the CC-library.

**Gaps in CCL Reference library**

Similarly to the CC-gaps, the BIE-gaps sometimes indicate a situation that needs to be addressed, but some will be solved by the inclusion of more TBG1-developed messages.

**Gaps in CCL/Reference library compared to BII Core documents**

Core Invoice Document Information entities missing from in the Reference Library in CCL08B:

* Referenced Document Type Text
* Address
  + Additional Street Name
  + Department
* Contact
  + First Name
  + Middle Name
  + Family Name
* Payment Means, Payment Identifier
  + Supports end-to-end identification of the payment through the payment channel.
* Monetary Total
  + Total Amount Exclusive Tax

### 4.2.3 Consequences of gaps

The requirements are realized in different ways and it is possible that some gaps have solutions that have not been identified.

The BII requirements cover several messages such as Invoice, Order and Catalogue but CCL08B Reference Library do not support all these messages yet and it becomes very clearly when studying the aggregated business information entities used primarily in the Catalogue, Quotation or Order-processes.

**Further analysis is necessary**

The results of the gap analysis will be a valuable input to the ongoing convergence efforts. It is important though to take into account that some high level business requirements can be implemented in different ways and gaps on basic information entity level is not always a problem. Each gap needs to be further analysed.

Annexes

The following annexes are part of the CWA and presents detailed results from the analysis regarding UN/CEFACT XML and ISO 20022.

Annex A: BII UN/CEFACT CCL mapping

The BII/CCL mapping is presented in attachment #

GAP analysis describing the differences and mapping between UN/CEFACT CCL and BUY-SHIP-PAY data model and the Workshop requirements

Annex B: BII ISO 20022 mapping

The BII/ISO 20022 mapping is presented in attachment #

GAP analysis describing the differences between ISO20022 Invoice and the requirements identified by the Workshop.