



# Guideline



**Project Acronym:** PEPPOL  
**Grant Agreement number:** 224974  
**Project Title:** Pan-European Public Procurement Online



## PEPPOL Post Award eProcurement ICT – Service Components Implementation Support Package Release Note

**Revision:** 3.10  
**Status:** in use



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Project co-funded by the European Commission within the ICT Policy Support Programme		
Dissemination Level		
P	Public	X
C	Confidential, only for members of the consortium and the Commission Services	

## Revision History

Version	Date	Author	Organisation	Description
01	2010-05-12	GB	NITA	First draft based on WP5 working document
02	2010-05-31	GB	NITA	Distributed as part of WP5 package 1
03	2011-05-05	GB	NITA	Revised in line with WP5 package 2 and e comments.
04	2011-12-01	Bergthor Skulason	NITA	Updated invoice. Order support included.
	15.01.2012	Bergthor Skulason	NITA	Credit note fully supported

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# 1 Introduction

This BIS is a result of work within PEPPOL project and is published as part of PEPPOL specifications.

This PEPPOL BIS provides a set of specifications for implementing a PEPPOL business process. The document is concerned with clarifying requirements for ensuring interoperability of pan-European Public eProcurement and provides guidelines for supporting these requirements and how to implement them.

## 1.1 Audience

The audience for this document is organizations wishing to be PEPPOL enabled for exchanging electronic invoices, and/or their ICT-suppliers. These organizations may be:

- ▶ Service providers
- ▶ Contracting Authorities
- ▶ Economic Operators
- ▶ Software Developers

## 1.2 Release note – changes from previous version

This version of the support package is not backward compatible and requires implementers to redo conformance testing for all implementations. The major changes are more detailed validation with addition and stronger enforcement of business rules.

The updated BIS specifications, guidelines and support material can be found at [PEPPOL\_PostAward].

### 1.2.1 BIS4a - Invoice Only

The document is rewritten with greater emphasis on providing support for implementers.

- ▶ Use of decimals clarified
- ▶ PEPPOL policy on identifiers clarified
- ▶ Section on business rules restructured and reviewed.
- ▶ Code list business rules review and updated

### 1.2.2 BIS4a - Invoice, Guideline

The guideline is now a separate document with updated examples

### 1.2.3 BIS3a – Order only

The document is rewritten with greater emphasis on providing support for implementers.

- ▶ Use of decimals clarified
- ▶ PEPPOL policy on identifiers clarified
- ▶ Section on business rules restructured and rewritten.
- ▶ Code list business rules review and updated

### 1.2.4 BIS3a – Order, Guideline

The guideline is now a separate document with updated examples

### 1.2.5 BIS5a - Billing

Full support for the credit note added. Document in line with invoice specifications.

Support added for following:

- ▶ attachment
- ▶ contract reference
- ▶ tax point date
- ▶ VAT on allowance and charge

Support for implementers provided:

- ▶ New credit note stylesheet with examples

- ▶ Schematrons for validation of credit note business rules.

### 1.2.6 BIS5a – Billing, Guideline

Guideline for implementation of credit note included, in line with invoice guideline

## 1.3 PEPPOL Implementation support

The PEPPOL BIS is bound to UBL 2.0 syntax. PEPPOL provides a set of tools as implementation support. These include:

- ▶ PEPPOL BIS Specifications.
- ▶ Implementation guideline.
- ▶ Business rules and code lists.
- ▶ Schematron components for validation of business rules that apply to documents.
- ▶ Stylesheet for presentation of Core data elements.
- ▶ A HTML presentation of the CEN BII data model for browsing.
- ▶ Validation web site
- ▶ Example documents and test cases

Information on implementation support can be found at [PEPPOL\_PostAward].

## 1.4 References

[PEPPOL]	<a href="http://www.peppol.eu/">http://www.peppol.eu/</a>
[PEPPOL_PostAward]	<a href="http://www.peppol.eu/PostAward">http://www.peppol.eu/PostAward</a>
[PEPPOL_Transp]	<a href="http://www.peppol.eu/Transp">http://www.peppol.eu/Transp</a>
[CEN_BII]	<a href="http://www.cen.eu/cwa/bii/specs">www.cen.eu/cwa/bii/specs</a>
[CEN_BII2]	<a href="http://www.cenbii.eu">http://www.cenbii.eu</a>
[UBL]	<a href="http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html">http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html</a>
[UBL_Invoice]	<a href="http://docs.oasis-open.org/ubl/cs-UBL-2.0/xsd/maindoc/UBL-Invoice-2.0.xsd">http://docs.oasis-open.org/ubl/cs-UBL-2.0/xsd/maindoc/UBL-Invoice-2.0.xsd</a>
[Schematron]	<a href="http://www.schematron.com">http://www.schematron.com</a>
[XSLT]	<a href="http://www.w3.org/TR/xslt20/">http://www.w3.org/TR/xslt20/</a>

## 2 Implementation support package

PEPPOL provides a package of supportive files that includes among others, the following files. The PEPPOL extension is identified as: eugen. Further information on implementation support can be found at [PEPPOL\_PostAward].

Please note the .ods files open document format for spreadsheets from Open Office can be opened in MS excel 2007 and 2010 versions also.

### 2.1 Version

This package has been previously released as PEPPOL core invoice support package. This package is currently published as “PEPPOL Post Award support package v3-1”, Third version, update 1 and it replaces version v3.0.

### 2.2 Test files

See the “test files” directory.

Order

- ▶ BIS03-Order

Invoice

- ▶ BIS04-Invoice-1
- ▶ BIS04-Invoice-2

CreditNote

- ▶ BIS05-Billing

### 2.3 Stylesheets

See the “stylesheets” directory.

Order

- ▶ PEPPOL BIS-3a stylesheet.xsl

Invoice

- ▶ PEPPOL BIS-4a stylesheet.xsl
- ▶ BiiCoreInvoice.xslt

CreditNote

- ▶ PEPPOL BIS-5a CreditNote stylesheet.xsl

### 2.4 Rule binding

See the relevant “businessrules” directory.

Order

- ▶ biicore-T01-BusinessRules-v01.ods
- ▶ biiprofiles-T01-BusinessRules-v01.ods
- ▶ biirules-T01-BusinessRules-v02.ods
- ▶ eugen-T01-BusinessRules-v02.ods

Invoice

- ▶ biicore-T10-BusinessRules-v01.ods
- ▶ biiprofiles-T10-BusinessRules-v01.ods
- ▶ biirules-T10-BusinessRules-v02.ods

- ▶ eugen-T10-BusinessRules-v01.ods

#### Credit Note

- ▶ biicore-T14-BusinessRules-v01.ods
- ▶ biiprofiles-T14-BusinessRules-v01.ods
- ▶ biirules-T14-BusinessRules-v01.ods
- ▶ eugen-T14-BusinessRules-v01.ods

#### Corrective Debet

- ▶ biicore-T15-BusinessRules-v01.ods
- ▶ biiprofiles-T15-BusinessRules-v01.ods
- ▶ biirules-T15-BusinessRules-v01.ods
- ▶ eugen-T15-BusinessRules-v01.ods

#### Code lists:

- ▶ biirules-CodeLists-v01.ods
- ▶ eugen-CodeLists-v01.ods

## 2.5 List of artefacts

The following artefacts have been developed and made available for applying the above specification.

### 2.5.1 Context Value Association Files

See the relevant “cva” directory.

#### Order

- ▶ BIIRULESCodesT01.cva
- ▶ EUGENCodesT01.cva

#### Invoice:

- ▶ BIIRULESCodesT10.cva
- ▶ EUGENCodesT10.cva

#### Credit Note

- ▶ BIIRULESCodesT14.cva
- ▶ EUGENCodesT14.cva

#### Corrective Debet

- ▶ BIIRULESCodesT15.cva
- ▶ EUGENCodesT15.cva

### 2.5.2 Genericcode Files

See the relevant “gc” directory.

#### Bii

- ▶ AccountTypeCode.gc
- ▶ AddressFormatCode.gc
- ▶ AllowanceChargeReasonCode.gc
- ▶ BinaryObjectMimeCode.gc
- ▶ ChannelCode.gc
- ▶ CountryIdentificationCode.gc
- ▶ CountrySubentityCode.gc
- ▶ CurrencyCode.gc
- ▶ DeliveryTermsID.gc
- ▶ DiscrepancyResponseCode.gc
- ▶ DocumentTypeCode.gc



- ▶ InvoiceTypeCode.gc
- ▶ ParentDocumentTypeCode.gc
- ▶ PartyID.gc
- ▶ PaymentChannelCode.gc
- ▶ PaymentMeansCode.gc
- ▶ ResponseCode.gc
- ▶ StatusCode.gc
- ▶ TaxCategoryID.gc
- ▶ TaxExemptionReasonCode.gc
- ▶ TaxSchemeID.gc
- ▶ TaxTypeCode.gc
- ▶ UnitOfMeasureCode.gc

Eugen:

- ▶ CommodityClassificationCode.gc
- ▶ FinancialInstitutionIdentifier.gc
- ▶ ItemIdentifier.gc
- ▶ LocationIdentifier.gc
- ▶ PartyID.gc
- ▶ PartyIdentifier.gc
- ▶ PostalAddressIdentifier.gc

### 2.5.3 Schematron Files

See the relevant “schematron” directory.

Order

- ▶ BIICORE-UBL-T01.sch
- ▶ BIIRULES-UBL-T01.sch
- ▶ EUGEN-UBL-T01.sch

Invoice:

- ▶ BIICORE-UBL-T10.sch
- ▶ BIIPROFILES-UBL-T10.sch
- ▶ BIIRULES-UBL-T10.sch
- ▶ EUGEN-UBL-T10.sch

Credit Note

- ▶ BIICORE-UBL-T14.sch
- ▶ BIIPROFILES-UBL-T14.sch
- ▶ BIIRULES-UBL-T14.sch
- ▶ EUGEN-UBL-T14.sch

Corrective Debet

- ▶ BIICORE-UBL-T15.sch
- ▶ BIIPROFILES-UBL-T15.sch
- ▶ BIIRULES-UBL-T15.sch
- ▶ EUGEN-UBL-T15.sch

#### 2.5.3.1 Abstract fragment

See the relevant “Schematron/abastract” directory.

Order

- ▶ BIICORE-T01.sch
- ▶ BIIRULES-T01.sch

- ▶ EUGEN-T01.sch

Invoice:

- ▶ BIICORE-T10.sch
- ▶ BIIPROFILES-T10.sch
- ▶ BIIRULES-T10.sch
- ▶ EUGEN-T10.sch

Credit Note

- ▶ BIICORE-T14.sch
- ▶ BIIPROFILES-T14.sch
- ▶ BIIRULES-T14.sch
- ▶ EUGEN-T14.sch

Corrective Debet

- ▶ BIICORE-T15.sch
- ▶ BIIPROFILES-T15.sch
- ▶ BIIRULES-T15.sch

### 2.5.3.2 Codelist fragment

See the relevant “Schematron/codelist” directory.

Order

- ▶ BIIRULESCodesT01.sch
- ▶

Invoice:

- ▶ BIIRULESCodesT10.sch
- ▶ EUGENCodesT10.sch

Credit Note

- ▶ BIIRULESCodesT14.sch
- ▶ EUGENCodesT14.sch

Corrective Debet

- ▶ BIIRULESCodesT15.sch
- ▶ EUGENCodesT15.sch

### 2.5.3.3 Ubl syntax binding

See the relevant “Schematron/UBL” directory.

Order

- ▶ BIICORE-UBL-T01.sch
- ▶
- ▶ BIIRULES-UBL-T01.sch
- ▶ EUGEN-UBL-T01.sch

Invoice:

- ▶ BIICORE-UBL-T10.sch
- ▶ BIIPROFILES-UBL-T10.sch
- ▶ BIIRULES-UBL-T10.sch
- ▶ EUGEN-UBL-T10.sch

Credit Note

- ▶ BIICORE-UBL-T14.sch
- ▶ BIIPROFILES-UBL-T14.sch
- ▶ BIIRULES-UBL-T14.sch
- ▶ EUGEN-UBL-T14.sch

Corrective Debet

- ▶ BIICORE-UBL-T15.sch
- ▶ BIIPROFILES-UBL-T15.sch
- ▶ BIIRULES-UBL-T15.sch
- ▶ EUGEN-UBL-T15.sch

## 2.5.4 Validation XSLT

See the relevant “Schematron/validation-xslt” directory.

Order

- ▶ BIICORE-UBL-T01.xsl
- ▶ BIIRULES-UBL-T01.xsl
- ▶ EUGEN-UBL-T01.xsl

Invoice:

- ▶ BIICORE-UBL-T10.xsl
- ▶ BIIPROFILES-UBL-T10.xsl
- ▶ BIIRULES-UBL-T10.xsl
- ▶ EUGEN-UBL-T10.xsl

Credit Note

- ▶ BIICORE-UBL-T14.xsl
- ▶ BIIPROFILES-UBL-T14.xsl
- ▶ BIIRULES-UBL-T14.xsl
- ▶ EUGEN-UBL-T14.xsl

Corrective Debet

- ▶ BIICORE-UBL-T15.xsl
- ▶ BIIPROFILES-UBL-T15.xsl
- ▶ BIIRULES-UBL-T15.xsl
- ▶ EUGEN-UBL-T15.xsl