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Business Interoperability Interfaces for Public Procurement in Europe - Post Award - Part 207: UBL Syntax Implementation
Guideline for Trdm010 Credit Note

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European foreword

CWA 17029-207 **UBL Syntax Implementation Guideline for Trdm010 Credit Note** was developed in accordance with CEN-CENELEC Guide 29 “CEN/CENELEC Workshop Agreements – The way to rapid agreement” and with the relevant provisions of CEN/CENELEC Internal Regulations - Part 2. It was agreed on 2015-12-02 in a Workshop by representatives of interested parties, approved and supported by CEN following a public call for participation made on 2013-02-20. It does not necessarily reflect the views of all stakeholders that might have an interest in its subject matter.

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This CEN Workshop Agreement (CWA) has been drafted and approved by the Workshop on **Business Interoperability Interfaces for Public procurement in Europe (BII)**, phase 3 – CEN WS/BII 3.

CWA 17029 is part of a set of CWAs prepared by CEN WS/BII 3¹:

- CWA 17025:2016 Methodology and Architecture
- CWA 17026:2016 Notification profiles and transactions
- CWA 17027:2016 Tendering profiles and transactions
- CWA 17028:2016 Catalogue profiles and transactions
- CWA 17029:2016 Post-award profiles and transactions

CWA 17029 consists of the following Parts:

- CWA 17029-001 Overview
- CWA 17029-101 Profile BII03 Order Only
- CWA 17029-102 Profile BII04 Invoice Only
- CWA 17029-103 Profile BII05 Billing
- CWA 17029-104 Profile BII06 Procurement
- CWA 17029-110 Profile BII18 Punch Out
- CWA 17029-113 Profile BII21 Statement
- CWA 17029-119 Profile BII21 Ordering
- CWA 17029-120 Profile BII29 Receipt Advice
- CWA 17029-121 Profile BII30 Despatch Only
- CWA 17029-123 Profile BII32 Simple Ordering
- CWA 17029-201 UBL Syntax Implementation Guideline for Trdm001 Order
- CWA 17029-202 UBL Syntax Implementation Guideline for Trdm002 Simple Order Response
- CWA 17029-205 UBL Syntax Implementation Guideline for Trdm010 Invoice

¹ In order to ease the reading the CWAs provided by the CEN BII initiative, they are also made available on <http://www.cenbii.eu> together with explanatory notes and supporting material. The official version is however the version as published by CEN.

CWA 17029-206 UBL Syntax Implementation Guideline for Trdm012 Receipt Advice
CWA 17029-207 UBL Syntax Implementation Guideline for Trdm010 Credit Note
CWA 17029-208 UBL Syntax Implementation Guideline for Trdm016 Despatch Advice
CWA 17029 210 UBL Syntax Implementation Guideline for Trdm026 Statement
CWA 17029-211 UBL Syntax Implementation Guideline for Trdm076 Order Response
CWA 17029-212 UBL Syntax Implementation Guideline for Trdm077 Catalogue
CWA 17029-213 UBL Syntax Implementation Guideline for Trdm110 Order Agreement
CWA 17029-301 UN/CEFACT Syntax Implementation Guideline for Trdm001 Order
CWA 17029-302 UN/CEFACT Syntax Implementation Guideline for Trdm002 Simple Order
Response
CWA 17029-305 UN/CEFACT Syntax Implementation Guideline for Trdm010 Invoice
CWA 17029-307 UN/CEFACT Syntax Implementation Guideline for Trdm014 Credit Note
CWA 17029-308 UN/CEFACT Syntax Implementation Guideline for Trdm016 Despatch Advice
CWA 17029-311 UN/CEFACT Syntax Implementation Guideline for Trdm076 Order Response
CWA 17029-312 CEFACT Syntax Implementation Guideline for Trdm077 Catalogue
CWA 17029-313 UN/CEFACT Syntax Implementation Guideline for Trdm110 Order Agreement
CWA 17029-401 Guideline on Procurement With Aligned Master Data
CWA 17029-402 Guideline on Simplified Invoicing
CWA 17029-403 Guideline on Payment Initiation and Reconciliation
CWA 17029-404 Guideline on Pre-payments
CWA 17029-405 Guideline on Initiating the Procurement and Invoice Process with Accounting

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Introduction

The CEN BII Workshop was established in May 2007 with the objective of harmonising electronic public procurement in Europe. The BII Workshop is a standardisation initiative within CEN (European Committee for Standardisation). It provides a framework for interoperability in pan-European electronic transactions expressed as a set of technical specifications ("Profiles"). Profiles are designed to facilitate effective public e-procurement based on a modular approach for implementation, with a focus on global interoperability.

BII Profiles can be seen as "agreements" on message contents and business processes. The profile descriptions focus on the core information elements that typically cater to the majority of user requirements applicable across Europe and lower the need for detailed bilateral agreements between the trading partners.

More information about the BII initiative can be found in CWA 17025:2016 and on www.cenbii.eu.

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1 Scope

To explain how to use UBL syntax to support the CEN BII information transaction requirements. The main function is to provide the syntax mappings from the UBL syntax to the CEN BII information requirement model. Chapter 5 contains two tables where these mappings can be found:

- 1) A table depicting the structure of the elements of the UBL document and their relationship with the CEN BII information requirement model.
- 2) A detailed table with additional information on the semantics of the BII information requirements and references to the code lists.

The code lists and coded elements are identified in Chapter 3, both for coded elements and for list scheme identifiers.

Chapter 4 describes selected parts of the document and details how to fill them for specific use cases. Besides, there are references to examples in Chapter 6 to provide a complete vision of a UBL document following the BII information requirements.

Chapter 7 contains a list of Schematron files created from the Business Rules identified in the Profiles for this transaction.

2 Goal

The goal of this guideline is to describe the implementation of the CEN BII transaction 014 Credit Note using the UBL 2.1 Credit Note document.

3 Common Code Lists

3.1 Code Lists for Common Coded Elements

The following table is used for listing the code lists.

Business Term	Source	Subset	Xpath	listID
Allowance and Charges Reason Code	UNECE 4465	CEN BII	cbc:AllowanceChargeReasonCode	UNCL4465
MIME Media Type Code	IANA ²	-	@mimeCode	-
Country Code	ISO 3166-1 alpha2 ³	-	cac:Country/cbc:Identificationcode	ISO3166-1:Alpha2
Currency Code	ISO 4217 ⁴	-	cbc:DocumentCurrencyCode cbc:TargetCurrencyCode cbc:SourceCurrencyCode @currencyID	ISO4217
Business Process Type Identifier	CEN BII2	BII05, BII06	cbc:ProfileID	-
Unit Of Measure	UN/ECE Rec 20 ⁵	-	@unitCode	unitCodeListID="UNECERec20"

3.2 Code Lists for Identifier Schemes

Business Term	SchemeID	Xpath	Note
VAT Category Code	UN/ECE 5305 subset by CEN BII	cac:TaxCategory/cbc:ID cac:ClassifiedTaxCategory/cbc:ID	schemeID="UNCL5305"
Item Classification Code	CEN BII	cbc:ItemClassificationCode	-

² <http://www.iana.org/assignments/media-types>

³ http://www.iso.org/iso/home/standards/country_codes.htm

⁴ http://www.currency-iso.org/dam/downloads/dl_iso_table_a1.xml

⁵ http://www.unece.org/cefact/recommendations/rec20/rec20_rev4E_2006.xls

3.3 Process Control

3.3.1 Specification identification / CustomizationID

An identification of the specification containing the total set of rules regarding semantic content, cardinalities and business rules to which the data contained in the instance document conforms:

Value used for all profiles:

urn:www.cenbii.eu:transaction:biitrns014:ver3.0

3.3.2 Business process type identifier / ProfileID

Identifies the business process context in which the transaction appears. Value of the profileID will vary according to what profile the transaction is used in:

- Profile 5: urn:www.cenbii.eu:profile:bii05:ver2.0
- Profile 6: urn:www.cenbii.eu:profile:bii06:ver2.0

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4 Description of selected parts of the document

4.1 Document Totals – LegalMonetaryTotal

Document totals element is for the calculated totals of the document. It is represented in UBL 2.1 with the cac:LegalMonetaryTotal ABIE and the following Figure 1 shows the CENBII implementation of this element.

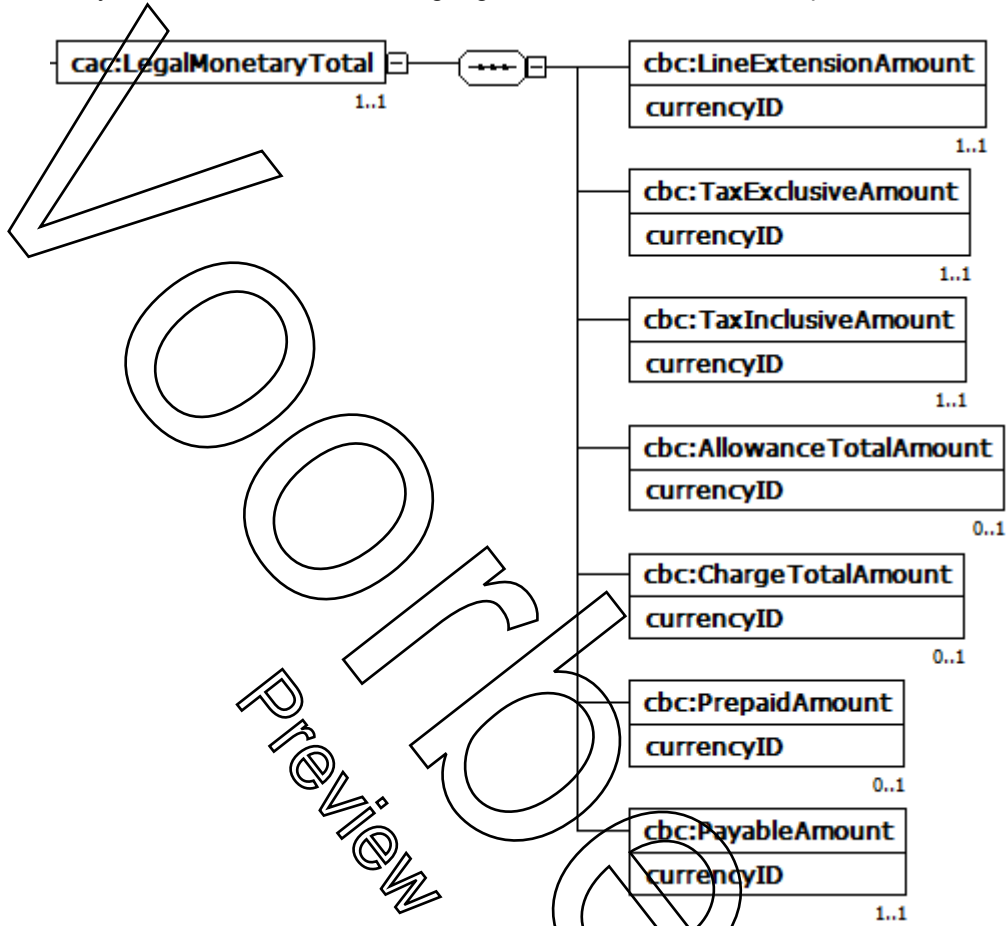


Figure 1 Document Totals - LegalMonetaryTotal

A sample XML is as follows:

```

<cac:LegalMonetaryTotal>
  <cbc:LineExtensionAmount currencyID="EUR">100</cbc:LineExtensionAmount>
  <cbc:TaxExclusiveAmount currencyID="EUR">100</cbc:TaxExclusiveAmount>
  <cbc:TaxInclusiveAmount currencyID="EUR">118.00</cbc:TaxInclusiveAmount>
  <cbc:AllowanceTotalAmount currencyID="EUR">10.00</cbc:AllowanceTotalAmount>
  <cbc:ChargeTotalAmount currencyID="EUR">10.00</cbc:ChargeTotalAmount>
  <cbc:PrepaidAmount currencyID="EUR">10.00</cbc:PrepaidAmount>
  <cbc:PayableAmount currencyID="EUR">108.00</cbc:PayableAmount>
</cac:LegalMonetaryTotal>
    
```

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