



**NSAI**  
Standards

Irish Standard Recommendation  
S.R. CWA 17028-203:2016

# Business Interoperability Interfaces for Public Procurement in Europe - E-Catalogue - Part 203: UBL Syntax Implementation Guideline / Trdm020 Catalogue Item Update

**S.R. CWA 17028-203:2016**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

CWA 17028-203:2016

*Published:*

2016-05-25

*This document was published under the authority of the NSAI and comes into effect on:*

2016-06-12

ICS number:

03.100.10

35.240.20

35.240.60

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

S.R. CWA 17028-203:2016 is the adopted Irish version of the European Document CWA 17028-203:2016, Business Interoperability Interfaces for Public Procurement in Europe - E-Catalogue - Part 203: UBL Syntax Implementation Guideline / Trdm020 Catalogue Item Update

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

**CEN**

**CWA 17028-203**

**WORKSHOP**

May 2016

**AGREEMENT**

---

ICS 03.100.10; 35.240.20; 35.240.60

English version

**Business Interoperability Interfaces for Public  
Procurement in Europe - E-Catalogue - Part 203: UBL  
Syntax Implementation Guideline / Trdm020 Catalogue  
Item Update**

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

This CEN Workshop Agreement can in no way be held as being an official standard developed by CEN and its Members.

This CEN Workshop Agreement is publicly available as a reference document from the CEN Members National Standard Bodies.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

---

© 2016 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No.:CWA 17028-203:2016 E

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>
<b>Introduction .....</b>	<b>6</b>
<b>1 Scope .....</b>	<b>7</b>
<b>2 Goal.....</b>	<b>7</b>
<b>3 Common Code Lists.....</b>	<b>8</b>
<b>3.1 Code Lists for Common Coded Elements.....</b>	<b>8</b>
<b>3.2 Identifier schemes .....</b>	<b>8</b>
<b>3.3 Process control.....</b>	<b>8</b>
<b>3.3.1 Specification identification / CustomizationID .....</b>	<b>8</b>
<b>3.3.2 Business process type identifier / ProfileID .....</b>	<b>8</b>
<b>4 Descriptions of selected parts of the document.....</b>	<b>9</b>
<b>4.1 Parties .....</b>	<b>9</b>
<b>4.1.1 Catalogue Provider .....</b>	<b>9</b>
<b>4.1.2 Catalogue receiver .....</b>	<b>9</b>
<b>4.2 Catalogue line update .....</b>	<b>10</b>
<b>5 Document structure and information content .....</b>	<b>12</b>
<b>5.1 Document structure .....</b>	<b>12</b>
<b>5.2 Document guideline .....</b>	<b>15</b>
<b>6 Information Requirement Model to UBL mapping .....</b>	<b>30</b>
<b>6.1 Missing information requirements .....</b>	<b>37</b>
<b>7 Schematron files.....</b>	<b>38</b>
<b>8 Sample XML files.....</b>	<b>38</b>
<b>8.1 Use case 1, trdm020 catalogue item update.....</b>	<b>38</b>

## European foreword

CWA 17028-203, **UBL Syntax Implementation Guideline / Trdm020 Catalogue Item Update** 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.

The final text of CWA 17028 was submitted to CEN for publication on 2016-04-20. It was developed and approved by:

- Agency for public Management and eGovernment (DIFI), NO
- Agenzia delle entrate, IT
- ANAC, Autorità Nazionale Anticorruzione (formerly AVCP), IT
- Bundesverband Materialwirtschaft, Einkauf und Logistik e.V, DE
- Cloudia Oy, FI
- Columbus Denmark A/S (resigned per 2015-08-01), DK
- Consorzio CBI (resigned per 2014-11-17), IT
- Danish Agency for Digitisation (DIGST), DK
- Department of Health, UK
- Direction de l'information légale et administrative (DILA), FR
- Electronic Signatures and Infrastructures (ESI) TC (liaison)
- Flowcanto, NL
- GS 1 in Europe
- Highjump Software (Former Evenex), DK
- ICEPRO, ISA
- Infoterm - International Information Centre for Terminology on behalf of CEN/WS/eCAT (liaison)
- Invinet Sistemas 2003, ES
- Laszlo Ketszeri, HU
- Nets Norway AS, NO

**CWA 17028-203:2016 (E)**

- Nexus IT,ES
- Phast, FR
- PIANOo, NL
- Poste Italiane, IT
- Single face To Industry (SFTI), SE
- SOGEI (former Consip), IT
- Statens og Kommunernes Indkops Service A/S (SKI A/S), DK
- University of Koblenz-Landau, DE
- University of Piraeus Research Center (UPRC), GR
- Western Norway Regional Health Authority, NO

It is possible that some elements of CWA 17028 may be subject to patent rights. The CEN-CENELEC policy on patent rights is set out in CEN-CENELEC Guide 8 “Guidelines for Implementation of the Common IPR Policy on Patents (and other statutory intellectual property rights based on inventions)”. CEN shall not be held responsible for identifying any or all such patent rights.

The Workshop participants have made every effort to ensure the reliability and accuracy of the technical and non-technical content of CWA 17028, but this does not guarantee, either explicitly or implicitly, its correctness. Users of CWA 17028 should be aware that neither the Workshop participants, nor CEN can be held liable for damages or losses of any kind whatsoever which may arise from its application. Users of CWA 17028 do so on their own responsibility and at their own risk.

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.

CWA 17028 is part of a set of CWAs prepared by CEN/WS BII3<sup>1</sup>:

- 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 17028 consists of:

- CWA 17028-1 Overview
- CWA 17028-101 Profile BII01 Catalogue Only
- CWA 17028-102 Profile BII02 Catalogue Update
- CWA 17028-103 BII Profile 16 Catalogue Deletion
- CWA 17028-104 Profile BII17 Multi-party Catalogue

---

<sup>1</sup> 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 17028-106 Profile BII44 Catalogue Only Without Response  
 CWA 17028-201 UBL Syntax Implementation Guideline for Trdm019 Catalogue  
 CWA 17028-202 UBL Syntax Implementation Guideline for Trdm018 Catalogue Request  
 CWA 17028-203 UBL Syntax Implementation Guideline / Trdm020 Catalogue Item Update  
 CWA 17028-204 UBL Syntax Implementation Guideline for Trdm021 Catalogue Item Update  
 CWA 17028-205 UBL Syntax Implementation Guideline for Trdm022 Catalogue Delete Request  
 CWA 17028-206 UBL Syntax Implementation Guideline for Trdm023 Catalogue Delete Confirmation  
 CWA 17028-207 UBL Syntax Implementation Guideline for Trdm055 Catalogue Request Rejection  
 CWA 17028-208 UBL Syntax Implementation Guideline for Trdm072 Catalogue Subscription  
 CWA 17028-209 UBL Syntax Implementation Guideline for Trdm073 Catalogue Subscription Response  
 CWA 17028-210 UBL Syntax Implementation Guideline for Trdm058 Catalogue Response  
 CWA 17028-211 UBL syntax implementation guideline for Trdm059 Catalogue Update Response  
 CWA 17028-212 UBL Syntax Implementation Guideline for Trdm054 Multi-party Catalogue  
 CWA 17028-213 UBL Syntax Implementation Guideline for Trdm068 Pre-award Catalogue  
 CWA 17028-301 UN/CEFACT Syntax Implementation Guideline for Trdm019 Catalogue  
 CWA 17028-302 UN/CEFACT Syntax Implementation Guideline for Trdm018 Catalogue Request  
 CWA 17028-303 UN/CEFACT Syntax Implementation Guideline for Trdm020 Catalogue Item Update  
 CWA 17028-304 UBL Syntax Implementation Guideline for Trdm001 Order  
 CWA 17028-305 UN/CEFACT Syntax Implementation Guideline for Trdm022 Catalogue Delete Request  
 CWA 17028-306 UN/CEFACT Syntax Implementation Guideline for Trdm054 Multi-party Catalogue  
 CWA 17028-307 UN/CEFACT Syntax Implementation Guideline for Trdm068 Pre-award Catalogue  
 CWA 17028-401 Guideline on the Usage of Classification Systems  
 CWA 17028-402 Guideline on Pre-award Catalogues

The CEN Workshop members who have contributed to the development of this document are:

Name	Affiliation	Country
Frank-Dieter Dorloff	BME and University of Duisburg-Essen	DE
Kerstin Wiss Holmdahl	SFTI	SE
Veit Jahns	BME and University of Duisburg-Essen	DE
Jan Mærøe	DIFI	NO
Thomas Pettersson	SFTI	SE

This document was edited by:

Name	Role	Country
Oriol Bausa	Technical Editor	ES
Georg Birgisson	Technical Editor	IS
Jostein Frømyr	Vice-Chair CEN/BII	NO
Fred van Blommestein	Technical Editor	NL
Yildiray Kabak	Technical Editor	TR
Edmund Gray	Technical Editor	EI
Carmen Ciciriello	Technical Editor	IT

**CWA 17028-203:2016 (E)****Introduction**

The first CEN BII Workshop was established in May 2007 with the objective of harmonising electronic procurement in Europe. The CEN BII initiative, which now comprises a further two CEN Workshops, is a standardisation activity within CEN (European Committee for Standardisation). It provides a framework for interoperability in pan-European electronic transactions expressed as a set of technical specifications.

During the second phase of the initiative (CEN WS/BII 2) a set of technical specifications – “CEN BII Profiles” – were documented and published as five CEN Workshop Agreements (CWAs), which are currently used across Europe. The profiles are designed to facilitate effective public e-procurement based on a modular approach for implementation, with a focus on global interoperability.

The CEN BII profiles can be seen as “agreements” on message contents and business processes. The profile descriptions focus on 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.

In its third phase (CEN WS/BII 3), which began in March 2013 with the approval of the business plan, the Workshop has focused on ensuring that all relevant aspects of e-procurement are covered, including additional business requirements coming from the new Public Procurement Directives<sup>2</sup> and alignment to other standardization efforts in the area of electronic invoicing, as well as ensuring wider recognition and adoption of its deliverables.

More information about the CEN BII initiative can be found on [www.cenbii.eu](http://www.cenbii.eu).

---

<sup>2</sup> Directive 2014/24/EU on public procurement – replaces Directive 2004/18/EC ("classic Directive"), Directive 2014/25/EU on procurement by entities operating in the water, energy, transport and postal services sectors – replaces Directive 2004/17/EC ("utilities Directive"), and Directive 2014/23/EU on the award of concession contracts (new)

## **1 Scope**

This guideline explains how to use the UBL syntax to support the CEN BII information transaction requirements. It provides the syntax mappings from the UBL syntax to the CEN BII information requirement model.

## **2 Goal**

The goal of this guideline is to describe the implementation of the CEN BII transaction Trdm020 Catalogue Item Update using the UBL 2.1 Catalogue Item Specification Update document.

Chapter 3 identifies the code lists used in the transaction.

Chapter 3 identifies the code lists used in the transaction.

Chapter 4 describes selected parts of the document and details how to fill them for specific use cases.

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.

Chapter 6 contains a table with the mappings from BII transaction information requirements to the UBL 2.1 syntax.

Chapter 7 contains a list of Schematron files created from the transaction and business rules that can be found in <http://www.cenbii.eu/trdm020/ubl/schematron/>.

Chapter 8 gives a use case with reference to the associated example file that can be found in <http://www.cenbii.eu/trdm020/ubl/example/>.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-