

**CEN**

**CWA 17028-101**

**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 101: Profile BII01 Catalogue Only

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 17028-101:2016 E

## Contents

	Page
European foreword .....	3
Introduction .....	6
1 Scope .....	7
1.1 Introduction .....	7
1.2 Goals .....	7
1.3 Business environment .....	7
2 Requirements .....	8
2.1 High level business requirements .....	8
2.2 Key examples .....	8
2.2.1 Example 1 .....	8
2.2.2 Example 2 .....	9
3 Profile detailed description .....	10
3.1 Business processes in scope .....	10
3.2 Roles involved.....	10
3.3 Catalogue exchange business process .....	12
3.4 Catalogue transaction business requirements .....	13
3.4.1 Trdm019 Catalogue transaction .....	13
3.4.2 Trdm058 Catalogue Response transaction.....	30
4 Implementation .....	33
5 References.....	33

## European foreword

CWA 17028-101, **Profile BII01 Catalogue Only** 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
- Cludia 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
- Nexus IT,ES
- Phast, FR

## CWA 17028-101:2016 (E)

- 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
- 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

<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 17028-209 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 Ciriello	Technical Editor	IT

## 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

### 1.1 Introduction

This BII profile 01 – Catalogue only describes electronic messages supporting the business processes for exchanging electronic catalogues. A catalogue contains specifications of products (goods and services) with their pricing. A catalogue is used to serve as a basis for ordering. This profile describes the process for sending the catalogue from a supplier to a customer, and for confirming the acceptance or rejection by the Customer.

The key aspects covered by this profile are:

- The submitting of a catalogue as part of a catalogue exchange process in the post-award area.
- A receipt from a contracting authority to an economic operator confirming that a catalogue has been received and accepted respectively rejected.

### 1.2 Goals

The main business benefits to be gained by implementing this profile are:

ID	Description
G01-001	On the Customer's side, allowing a quick and easy comparison of different items, and between different Suppliers' catalogue items (when implemented with several Suppliers).
G01-002	Simple storage and automated maintenance of item information on the Customer's side.
G01-003	Correct identification and pricing of items in the ordering process (reduced errors).
G01-004	Enable Suppliers to provide tailored item and price information.

### 1.3 Business environment

This profile is intended to support the synchronization of catalogues between the selling and the buying side in a business relationship, where the selling side is the source of the catalogue and the buying side the receiver. In this profile the selling side can be any Economic Operator and the buying side any Contracting Authority. The intended scope for this profile includes B2G and B2B relationships.

The transactions, specified in this profile are intended to be exchanged between the procurement systems of contracting authorities and systems for catalogue management of economic operators. This means that it is expected that the parties have connected their systems to the internet, and that they have middleware in place to enable them to send and receive the transactions in a secure way, using an agreed syntax.

In this profile, synchronization of catalogues includes the submission of a new catalogues well as updating an existing catalogue. In case of updating, the catalogue or individual catalogue lines are updated as a whole.

In this profile, a catalogue contains the products of one supplier only.