TC  WI :2014 (E) 511Élément introductif — Élément central — Élément complémentaireEinführendes Element — Haupt-Element — Ergänzendes ElementBusiness Interoperability Interfaces for public procurement in Europe — Profile BII54 — TenderingE0   00    201407Working Document      TC  WI  0False      2Heading 2Heading 1     0 STD Version 2.5a10   1C:\Users\Fred\Documents\data\BII3\Profiles\Profile 54 - Tendering\Profile 54 - Tendering.doc            /TC

Date:  2014-07

TC  WI

/TC

Secretariat:

Business Interoperability Interfaces for public procurement in Europe — Profile BII54 — Tendering

*Einführendes Element — Haupt-Element — Ergänzendes Element*

*Élément introductif — Élément central — Élément complémentaire*

ICS:

Descriptors:

CWA 3456 is a technical agreement, developed and approved by an open, independent Workshop structure within the framework of the CEN-CENELEC system.

CWA 3456 reflects the agreement only of the registered participants responsible for its content, and was developed in accordance with the CEN-CENELEC rules and practices for the development and approval of CEN/CENELEC Workshop Agreements.

CWA 3456 does not have the status of a European Standard (EN) developed by CEN and its national Members. It does not represent the wider level of consensus and transparency required for a European Standard (EN) and is not intended to support legislative requirements or to address issues with significant health and safety implications. For these reasons, CEN are not accountable for the technical content of CWA 3456 or for any possible conflicts with national standards or legislation.

The Workshop participants who drafted and approved CWA 3456 are indicated in the Foreword.

The copyright in CWA 3456 is owned exclusively by CEN. Copies of CWA 3456 are available from the national standards bodies of the following countries: 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 the United Kingdom.

Contents

Page

Foreword 3

Introduction 7

1 Scope 8

1.1 Introduction 8

1.2 Goals 8

1.3 Business environment 8

1.3.1 Introduction 8

1.3.2 Tendering procedures 9

2 Requirements 10

2.1 High level business requirements 10

2.2 Key examples 10

2.2.1 Example 1 10

2.2.2 Example 2 10

3 Profile detailed description 12

3.1 Business processes in scope 12

3.2 Parties and roles involved 13

3.3 Tendering business process 14

3.4 Tendering transaction business requirements 15

3.4.1 Trdm090 Submit Tender transaction 15

3.4.2 Trdm045 Tender Reception Notification transaction 21

4 Implementation 25

5 References 25

Foreword

CWA 3456 part 119, **Profile BII54- Tendering** 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 3456-119 was submitted to CEN for publication on 2015-12-04. 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 (liason)
* 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 (liason)
* Invinet Sistemes 2003, ES
* Laszlo Ketszeri, HU
* Nets Norway AS, NO
* Nexus IT,ES
* Phast, FR
* PIANOo, NL
* Poste Italiane, IT
* Publications Office of the European Union (LU)
* Single face To Industry (SFTI), SE
* SOGEI (former Consip), IT
* Statens og Kommunernes Indkobs 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 3456 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 3456, but this does not guarantee, either explicitly or implicitly, its correctness. Users of CWA 3456 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 3456 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 – CEN WS/BII 3.

CWA 3456 is part of a set of CWAs prepared by CEN WS/BII 3[[1]](#footnote-1):

CWA 1234:2016 Methodology and Architecture

CWA 2345:2016 Notification profiles and transactions

CWA 3456:2016 Tendering profiles and transactions

CWA 4567:2016 Catalogue profiles and transactions

CWA 5678:2016 Post-award profiles and transactions

CWA 3456 part 119 replaces CWA 16560:2013, annex D.

CWA 3456 consists of the following Parts:

*Profiles:*

CWA 3456-1 e-Tendering overview

CWA 3456-101 Profile BII11 Advanced Qualification

CWA 3456-102 Profile BII12 Advanced Tendering

CWA 3456-103 Profile BII22 Advanced Call for Tenders

CWA 3456-104 Profile BII34 Advanced Call for Tenders with Pre-award Catalogue Request

CWA 3456-105 Profile BII35 Advanced Tendering with Pre-award Catalogue

CWA 3456-106 Profile BII37 Open Procedure

CWA 3456-107 Profile BII38 Advanced Invitation to Tender

CWA 3456-108 Profile BII39 Restricted Procedure

CWA 3456-109 Profile BII40 Advanced Invitation to Tender with Pre-award Catalogue Request

CWA 3456-110 Profile BII41 European Single Procurement Document (ESPD)

CWA 3456-111 Profile BII46 Subscribe to Procedure

CWA 3456-112 Profile BII47 Call for Tenders

CWA 3456-113 Profile BII48 Call for Tenders Questions and Answers

CWA 3456-114 Profile BII49 Qualification

CWA 3456-115 Profile BII50 Tender Clarification

CWA 3456-116 Profile BII51 Qualification Rejection

CWA 3456-117 Profile BII52 Invitation to Tender

CWA 3456-118 Profile BII53 Tender Withdrawal

CWA 3456-119 Profile BII54 Tendering

CWA 3456-120 Profile BII56 Virtual Company Dossier

CWA 3456-121 Profile BII58 Notify Awarding

CWA 3456-122 Profile BII59 Contracting

CWA 3456-123 Profile BII60 Tender Status Inquiry

*Transaction syntax implementation guidelines (UBL):*

CWA 3456-201 UBL syntax implementation guideline - Trdm040 Advanced Call for Tenders

CWA 3456-203 UBL syntax implementation guideline - Trdm042 Qualification Reception Confirmation

CWA 3456-204 UBL syntax implementation guideline - Trdm044 Advanced Tender

CWA 3456-205 UBL syntax implementation guideline - Trdm045 Tender Reception Notification

CWA 3456-212 UBL syntax implementation guideline - Trdm083 Call for Tenders

CWA 3456-215 UBL syntax implementation guideline - Trdm087 Qualification Rejection

CWA 3456-216 UBL syntax implementation guideline - Trdm088 Invitation to Tender

CWA 3456-218 UBL syntax implementation guideline - Trdm090 Tender

CWA 3456-221 UBL syntax implementation guideline - Trdm094 Awarding Notification

CWA 3456-224 UBL syntax implementation guideline - Trdm105 Call for Tenders with Pre-award Catalogue Request

CWA 3456-227 UBL syntax implementation guideline - Trdm108 Advanced Invitation to Tender

CWA 3456-228 UBL syntax implementation guideline - Trdm109 Advanced Invitation to Tender with Pre-award Catalogue Request

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

| **Name** | **Affiliation** | **Country** |
| --- | --- | --- |
| Ansgar Mondorf | University of Koblenz-Landau | DE |
| Maria Wimmer | University of Koblenz-Landau | DE |
| Kornelis Drijfhout | PIANOo | NL |
| Chander Khoenkhoen | PIANOo | NL |
| Veit Jahns | BME and University of Duisburg-Essen | DE |
| Frank-Dieter Dorloff | BME and University of Duisburg-Essen | DE |
| Kerstin Wiss-Holmdahl | SFTI/SALAR | SE |
| Thomas Pettersson | SFTI | SE |
| Magnus Matts | SFTI/Swedish Competition Authority | SE |
| Giovanni Paolo Sellitto | ANAC | IT |
| Ana Estelrich | Phast | FR |
| Cécile Guasch | DIGIT - European Commission | BE |
| Marius Juganaru | DIGIT - European Commission | BE |
| Marc Christopher Schmidt | DG GROWTH - European Commission | BE |
| Ole Madsen | DIGST | DK |
| Are Berg | Difi | NO |
| Jan Maeroe | Difi | NO |
| Pål Røynesdal | WNRHA | NO |
| Jerry Dimitriou | UPRC | GR |
| Panagiotis Nicolaou | UPRC | GR |
| Isabella Rapisarda | Consip | IT |
| Samuel Dupont | DILA | FR |
| Sacha Lauzanne | DILA | FR |
| Natalie Muric | The Publications Office of the European Union | LU |
| Claire Noël | The Publications Office of the European Union | LU |
| Christoph Karich | eVergabe | DE |
| Tom Hombergs | eVergabe | DE |
| Laszlo Ketszeri | KELER | HU |

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 |

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[[2]](#footnote-2) 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).

# Scope

## Introduction

Profile BII54 Tendering describes electronic messaging support for the business process of submitting electronic tenders by an economic operator in response of a Call for Tenders.

The key aspects covered by this profile are:

* The economic operator has prepared his tender and sends it to the tendering platform of the contracting body.
* The contracting body confirms that he has received the tender.

In this profile most information about the Tender is included in attachments. In the BII Profile 12 Advanced Tendering, this information can be defined in a structured way.

This profile is identified in the transactions by the ProfileID urn:www.cenbii.eu:profile:bii54:ver3.0

## Goals

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

|  |  |
| --- | --- |
| **ID** | **Description** |
| G54-001 | The profile enables trading partners to communicate without a previous bi-lateral setup or agreements. |
| G54-002 | The electronic Tender allows the contracting body to install a systematic receipt and opening process. |
| G54-003 | By leaving most tendering information unstructured in annexed documents, implementation barriers are low. |
| G54-004 | Tenderers can automatically generate tenders and attach tendering documents. |
| G54-005 | Receipt of tendering information allows for a semi-automated tendering process. |

## Business environment

### Introduction

The intended scope for this profile includes public procurement, but the profile may also be used in Business to Business (B2B) relations.

This profile is intended to support transmission of electronic documents for processing in (semi-)automated processes. The legal requirements that were taken into account are requirements from European legislation, in particular the EU directives, mentioned in section 5 of this profile.

The transactions, specified in this profile are intended to be exchanged between the tendering systems of economic operators and contracting bodies. 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.

The content model of the transactions can also be used in procurement platforms or portals, so that these platforms as well as procurement systems of economic operators and contracting bodies are based on the same information and process models, which makes them more interoperable. Even if platforms are not technically interoperable, the content model facilitates understanding the tendering documents and to participate in the tendering process.

### Tendering procedures

Individual pre-award processes can be put in place using different procedures, depending on the value and the type of the contract to be awarded, on the legal nature of the contracting body and on specific member state national legislation (Directive 2014/24 EU art. 26). In open procedures, any economic operator can access the tender documents (including the call for tenders) and submit a tender before the time expires, without subscribing for interest and without any previous assessment of their capabilities. In restricted and negotiated procedures and in a competitive dialogue the interested economic operators must submit a request to participate in order to be invited in the tendering process by the contracting body. When the contracting body has published a notice, the interested economic operators may subscribe to obtain tendering information using profile BII46. Negotiated procedures require sending the invitation to tender (profile BII52) to identified candidates.

Article 26 to 32 from Directive 2014/24/EU and article 43 to 50 from Directive 2014/25/EU describe the different tendering procedures that can be used by contracting bodies. For the purpose of electronic tendering, some of these procedures have been described in BII profiles BII37 (open procedure) and BII39 (restricted procedure). These profiles are included in CWA 3456 parts 106 and 108.

Official notification through publishing bodies is part of many procedures. eNotification covers the electronic transfer of electronic notices for publication and dissemination services with the ultimate aim of opening market opportunities. Profiles BII14 Prior Information Notice, BII10 Contract Notice and BII43 Contract Award Notice describe the exchange of a notice between a contracting body or his representative and a publisher. Profile BII61 describes the exchange of notices between publishers. The process by which notices can be searched for on a given platform are described in profiles BII62 Exchange of Notice Metadata and BII45 Search Notices. These profiles are included in CWA 2345.

# Requirements

## High level business requirements

| **Req. ID** | **Requirement statement** | **Ref. to goal** |
| --- | --- | --- |
| br54-001 | All tenders shall be linked to a procurement project in order for the contracting body to be able to evaluate. | G54-002 |
| br54-002 | If imposed by the contracting body the economic operator shall sign his tender before submission with the required signature level. | G54-001 |
| br54-004 | All tenders shall be encrypted upon submission. Encryption keys are provided by the contracting body. | G54-001 |
| br54-006 | The receipt notification of a tender shall contain a cryptographic time stamp of the moment the Contracting body or his ervice provider received the complete tender. | G54-002 |
| br54-007 | The economic operator shall receive an acknowledgement that his tender has been received by the contracting body for the purpose of a non-repudiation of receipt. | G54-005 |
| br54-010 | Tenders shall NOT be accessible before the time limit set out in the call for tenders has passed. | G54-002 |
| br54-011 | The contracting body should use the European e-Signature validation services. | G54-001 |
| br54-012 | The contracting body should be able to send the results of the tender evaluation to all economic operators who submitted a tender. | G54-002 |
| br54-016 | Encrypted tenders should be wrapped in an unencrypted envelope. | G54-002 |
| br54-017 | The contracting authority may allow or require that the tender/lot contain variants. Article 45 of the Articles 2014/24/EC and Article .64 of the Directive 2014/25. | G54-002 |

## Key examples

### **Example 1**

An economic operator finds an interesting business opportunity after a search on a platform with published notices. He knows how to respond to the opportunity because he can find all the relevant information in the Contract notice. First he sends a subscription message to the contracting body to let them know he is interested. This puts him on the list of interested economic operators with the result that he receives all call for tenders with unstructured documents.

In his own tendering system the economic operator prepares his bid. He answers all tendering requirements and criteria, adds all the required evidences and he signs his offer. The system encrypts his bid and sends it to the contracting body. In the Tendering light profile the offer contains mainly (unstructured) documents.

### **Example 2**

A contracting body from Sweden starts an open tendering procedure because it needs to procure goods from an economic operator. The contracting body uses an e-Tendering system provided by a commercial service provider to set up the call for tender. The contracting body selected the procedure they wanted to use, the estimated value of the contract, if the contracts split into lots, etc. Based on the selected options (incl. the procedure), the system guides the contracting authority through the process. The call for tender is mainly unstructured and most information is in the attached files.

The economic operators create an electronic tender on the same platform. The economic operator fills in partly the information requested on the web-based procurement platform/system. The real offer is described in uploaded files. After submitting the tender, receive a timestamp stating when the tender was received. When the deadline is past, it is no longer possible to upload in or edit tenders.

# Profile detailed description

## Business processes in scope

Procurement is a complex domain with several key processes, some of which are illustrated in the following figure.



Figure 1 — Procurement

The BII54 Tendering profile is realizing the Submit Tender process, as highlighted in the above figure. The Submit Tender process is part of the Tendering process, which belongs to the Pre-award process area.

## Parties and roles involved

The following parties participate as business partners in this profile, acting in the roles as defined below.

| **Party** | **Description** |
| --- | --- |
| Customer | The customer is the legal person or organization who is in demand of a product, service or works.  Examples of customer roles: buyer, consignee, debtor, contracting body. |
| Supplier | The supplier is the legal person or organization who provides a product, service or works.  Examples of supplier roles: seller, consignor, creditor, economic operator |

| **Role** | **Description** |
| --- | --- |
| Contracting body | The contracting authority or contracting entity who is buying supplies, services or tendering works. |
| Economic operator | Party participating with a bid in a procurement process to sell goods, services or works. |



Figure 2 — Submit tender process

## Tendering business process

The following diagram shows the choreography of the business process implemented by the profile. The choreography of business collaborations defines the sequence of interactions when the profile is run within its context.



Figure 3 — Tendering business process

| **Category** | **Description** |
| --- | --- |
| Description | An economic operator prepares and then submits a tender to a contracting body, as a response to a call for tender. The tender is to be encrypted according to defined business needs, as specified in thhe Call for Tender. The process of encryption and decrypton has to be considered as conformant to the profile.  If the call for tender was issued as part of an open procedure, an (unstructured) ESPD or other qualification document needs to be sent as an attachment to the tender. The contracting body notifies the economic operator of having received the Tender.  The contracting body notifies the economic operator of having received the Tender. |
| Pre-conditions | A contracting body has issued a call for tender to potential applicants. |
| Post-conditions | Tenders have been received by the contracting body and are to be evaluated by him. Tender reception has been notified to the economic operators. |

| **Activity** | **Role involved** | **Description** |
| --- | --- | --- |
| Send Tender | Economic operator | The economic operator has prepared his offer and submits the signed and encrypted tender documents. |
| Receive Tender | Contracting body | The contracting body receives the bid, but doesn’t look at the content of the bid before the deadline for submission has passed. The bid is kept secure in a tender box. |
| Confirm tender reception | Contracting body | The contracting body sends the economic operator an acknowledgement with time stamp of reception and hash code of the bid. |
| Receive tender receipt notification | Economic operator | The economic operator receives the electronic tender reception notification document |

## Tendering transaction business requirements

### Trdm090 Submit Tender transaction

| **Category** | **Description and Values** |
| --- | --- |
| Identifier | Trdm090 |
| CustomizationID | urn:www.cenbii.eu:transaction:biitrdm090:ver3.0 |
| Description | The economic operator sends a bid to the contracting body. The structured part of this document contains metadata, the content is included in unstructured or semi-structured attachments. |
| Partner types | Customer  Supplier |
| Roles | Contracting body  Economic operator |
| Legal implications | The economic operator is legally bound by his bid |
| Initial event | The economic operator sends the bid |
| Terminal event | The contracting body has received the bid |

#### Trdm090 Submit Tender transaction business requirements

*General*

| **ID** | **Requirement** |
| --- | --- |
| tbr90-001 | The CEN/BII profile and transaction names and versions shall be identified. |

*Envelope*

| **ID** | **Requirement** |
| --- | --- |
| tbr90-002 | The economic operator shall be identified. |
| tbr90-003 | The contracting body shall be identified. |
| tbr90-004 | The sending date and time (and time zone) of the message shall be stated. |
| tbr90-005 | The message shall have a message ID and may refer to message ID’s of previously submitted tenders. |

*Metadata*

| **ID** | **Requirement** |
| --- | --- |
| tbr90-006 | The message shall contain the following information about the business opportunity:   * Call for tenders ID and version * Procurement Reference number |
| tbr90-007 | The message shall contain either credentials issued by the Contracting Body (Economic operator ID ), or one or more of the following information elements:   * Economic operator ID type * Economic operator name * Economic operator legal form * Registration number in the professional registry * Economic operator registration country code * Economic operator postal address (standard address elements) * Contacting details (standard contact person elements) |
| tbr90-008 | The message shall contain the following information about the tender:   * Tender ID * Tender signature |
| tbr90-009 | The message may contain one or more (unstructured) tender documents. |
| tbr90-010 | The message may contain the following information about the tender:   * Lot ID * Language |
| tbr90-011 | The message should contain metadata of each of the documents that are attached to the tender   * ID * Document type (Mime code) * Document description * Name * Size * Hash * Hash method * Session Key (Encryption Information) ? * Lot ID (if the document is specific to a lot) |
| tbr90-012 | The message shall identify the tender documents. It may identify the language of the documents. |
| tbr90-013 | If imposed by the contracting body, the tender documents shall be signed as specified by the contracting body |

#### Trdm090 Submit Tender transaction model

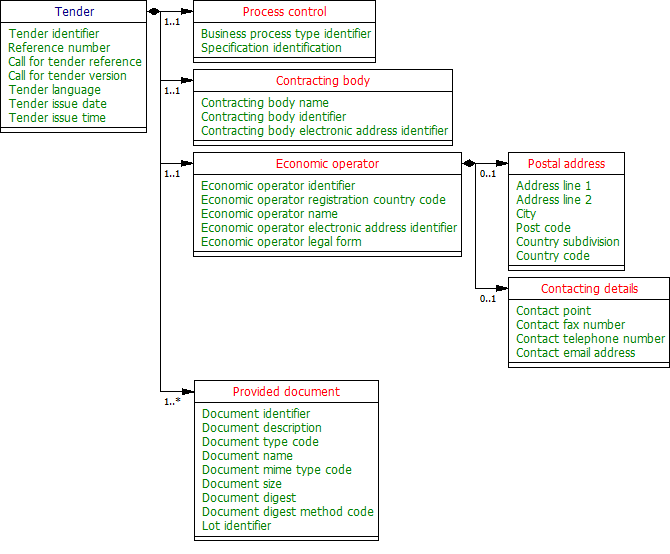


Figure 4 — Submit Tender transaction model

#### Trdm090 Submit Tender transaction information Requirements

| **InfReqID** | **Card** | **Tree and Business term** | | | | | **Usage** | **Data Type** | **BusReqID** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | Tender | | | |  |  |  |
| tir90-001 | 1..1 | |  | Tender identifier | | | Identifier of the tender document. | Identifier | tbr90-005 |
| tir90-002 | 1..1 | |  | Reference number | | | An identifier that is specified by the buyer and used as a reference number for all documents in the procurement process. It is also known as procurement project identifier, procurement reference number or contract folder identifier. | Identifier | tbr90-006 |
| tir90-003 | 1..1 | |  | Call for tender reference | | | A reference to the call for tender as issued by the contracting body. Creates a link between the call for tender and the tender. | Identifier | tbr90-006 |
| tir90-055 | 1..1 | |  | Call for tender version | | | Identifies the version of the call for tenders. | Identifier | tbr90-006 |
| tir90-056 | 0..1 | |  | Tender language | | | The language used to write the tender. | Code | tbr90-010 |
| tir90-004 | 1..1 | |  | Tender issue date | | | The date when the tender is issued by the economic operator. | Date | tbr90-004 |
| tir90-005 | 1..1 | |  | Tender issue time | | | The time when the tender is issued by the economic operator. The time zone has to be informed  following the BII Guideline on Data Formats. | Time | tbr90-004 |
|  | 1..1 | |  | Process control | | | A group of business terms providing information on the business process and rules applicable to the document. |  |  |
| tir90-012 | 1..1 | |  | | Business process type identifier | | Identifies the business process context in which the transaction appears. It enables the buyer to process the document in an appropriate way. | Identifier | tbr00-001  tbr90-001 |
| tir90-013 | 1..1 | |  | | Specification identification | | 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. The identification may include the version of the specification as well as any customizations applied. | Identifier | tbr00-002  tbr90-001 |
| 1 | 1..1 | |  | Contracting body | | | The contracting authority or contracting entity who is buying supplies, services or public works using a tendering procedure as described in the applicable directive (Directives 2014/24/EU, 2014/25/EU). |  |  |
| tir90-016 | 0..1 | |  | | Contracting body name | | The name of the contracting body as it is registered. | Text | tbr90-003 |
| tir90-014 | 0..1 | |  | | Contracting body identifier | | The national identifier of a contracting body as it is legally registered (e.g. VAT identification, such as KBO) | Identifier | tbr90-003 |
| tir90-020 | 0..1 | |  | | Contracting body electronic address identifier | | Electronic address of the contracting body. | Identifier | tbr90-003 |
| 2 | 1..1 | |  | Economic operator | | | Any natural or legal person or public entity or group of such persons and/or entities, including any temporary association of undertakings, which offers the execution of works and/or a work, the supply of products or the provision of services on the market. Information about the economic operator submitting the tender. |  |  |
| tir90-040 | 1..1 | |  | | Economic operator identifier | | An identifier that identifies the economic operator, such as a legal registration identifier. | Identifier | tbr90-002 |
| tir90-041 | 0..1 | |  | | Economic operator registration country code | | The registration country code of the economic operator. | Code | tbr90-007 |
| tir90-042 | 1..1 | |  | | Economic operator name | | The name of the economic operator. | Text | tbr90-007 |
| tir90-060 | 0..1 | |  | | Economic operator electronic address identifier | | Electronic address of the economic operator. | Identifier | tbr90-007 |
| tir90-061 | 0..1 | |  | | Economic operator legal form | | A textual description of the legal form of the economic operator. | Text | tbr90-007 |
|  | 0..1 | |  | | Postal address | | Address information. |  | tbr90-007 |
| tir90-045 | 0..1 | |  | | | Address line 1 | The main address line in an address. Usually the street name and number or post office box. | Text | tbr90-007 |
| tir90-046 | 0..1 | |  | | | Address line 2 | An additional address line in an address that can be used to give further details supplementing the main line. | Text | tbr90-007 |
| tir90-047 | 0..1 | |  | | | City | The common name of a city where the address is located. | Text | tbr90-007 |
| tir90-048 | 0..1 | |  | | | Post code | The identifier for an addressable group of properties according to the relevant postal service, such as a ZIP code or Post Code. | Text | tbr90-007 |
| tir90-049 | 0..1 | |  | | | Country subdivision | The subdivision of a country such as region, county, state, province etc. | Text | tbr90-007 |
| tir90-050 | 0..1 | |  | | | Country code | A code that identifies the country. The lists of valid countries are registered with the ISO 3166-1 | Code | tbr90-007 |
|  |  | |  | | |  | Maintenance agency, "Codes for the representation of names of countries and their subdivisions". It is recommended to use the alpha-2 representation. |  |  |
|  | 0..1 | |  | | Contacting details | | Used to provide contacting information for a party in general or a person. |  |  |
| tir90-051 | 0..1 | |  | | | Contact point | The name of the contact point. | Text | tbr90-007 |
| tir90-052 | 0..1 | |  | | | Contact fax number | A fax number for the contact point. | Text | tbr90-007 |
| tir90-053 | 0..1 | |  | | | Contact telephone number | A phone number for the contact point. | Text | tbr90-007 |
| tir90-054 | 0..1 | |  | | | Contact email address | An e-mail address for the contact point. | Text | tbr90-007 |
| 3 | 1..n | |  | Provided document | | | Document that is provided as part of a  call for tender. |  | tbr90-009 |
| tir90-062 | 1..1 | |  | | Document identifier | | Identifier of a document | Identifier | tbr90-011 |
| tir90-063 | 1..1 | |  | | Document description | | Textual description of the document. | Text | tbr90-011 |
| tir90-064 | 1..1 | |  | | Document type code | | A code specifying the type of the document. Use Code List UN 1001 | Code | tbr90-011 |
| tir90-065 | 1..1 | |  | | Document name | | The file name of the document. | Text | tbr90-011 |
| tir90-070 | 0..1 | |  | | Document mime type code | | Stands for "Multipurpose Internet Mail Extensions". It's a way of identifying files  according to their nature and format. | Code | tbr90-011 |
| tir90-066 | 1..1 | |  | | Document size | | The file size of the document in bytes. | Numeric | tbr90-011 |
| tir90-067 | 1..1 | |  | | Document digest | | Digest of the document. | Text | tbr90-011 |
| tir90-068 | 1..1 | |  | | Document digest method code | | Code that indicates the algorithm used to calculate the hash. | Code | tbr90-011 |
| tir90-069 | 0..1 | |  | | Lot identifier | | An identifier for the lot. | Identifier | tbr90-011 |

#### Trdm090 Submit Tender transaction business rules

| **RuleID** | **rulenote** | **target** | **errorlevel** |
| --- | --- | --- | --- |
| BII3-T90-R001 | A Submit Tender MUST have a customization identifier | Tender | Fatal |
| BII3-T90-R002 | A Submit Tender MUST have a profile identifier | Tender | Fatal |
| BII3-T90-R003 | A Submit Tender MUST have an Economic Operator | Tender | Fatal |
| BII3-T90-R004 | A Submit Tender MUST have a Contracting Authority | Tender | fatal |
| BII3-T90-R005 | A Submit Tender MUST have the issue date | Tender | Fatal |
| BII3-T90-R006 | A Submit Tender MUST have the issue time | Tender | Fatal |
| BII3-T90-R007 | Issue time MUST include timezone information | Tender | Fatal |
| BII3-T90-R008 | A Submit Tender MUST have a tender identifier | Tender | Fatal |
| BII3-T90-R009 | A Submit Tender MUST have the Procurement Reference identifier | Tender | Fatal |
| BII3-T90-R010 | A Submit Tender MUST have the call for tenders reference | Tender | Fatal |
| BII3-T90-R011 | A Submit Tender MUST have the call for tenders version number | Tender | Fatal |
| BII3-T90-R012 | A Submit Tender MUST have attached documents | Tender | Fatal |
| BII3-T90-R013 | An attached document MUST have a document identifier | attachment | Fatal |
| BII3-T90-R014 | An attached document MUST have a document description | attachment | Fatal |
| BII3-T90-R015 | An attached document MUST have a document type code | attachment | Fatal |
| BII3-T90-R016 | An attached document MUST have a document name | attachment | Fatal |
| BII3-T90-R017 | An attached document MUST have a document digest | attachment | Fatal |
| BII3-T90-R018 | An attached document MUST have a document digest method code | attachment | Fatal |
| BII3-T90-R020 | List identifier for country code MUST be 'ISO3166-1:Alpha2' | country | Fatal |
| CL-T90-R001 | A country identification code MUST be coded using ISO 3166, alpha 2 codes | CountryCodeList | fatal |
| CL-T90-R002 | For Mime code MIMEMediaType MUST be used. | BinaryObjectMimeCode | fatal |

### Trdm045 Tender Reception Notification transaction

| **Category** | **Description and Values** |
| --- | --- |
| Identifier | Trdm045 |
| CustomizationID | urn:www.cenbii.eu:transaction:biitrdm045:ver3.0 |
| Description | A structured electronic document sent by the contracting body to an economic operator to confirm the receipt of a tender. |
| Partner Types | Customer  Supplier |
| Authorized Roles | Contracting body  Economic operator |
| Legal Implications | The Tender Reception Notification transaction may not involve any viewing or processing of the tender content nor does it imply any decision, verification or acknowledgement regarding the tenders’ content. It only confirms that the referenced tender has been received at the date and time stated in the transaction.  The contracting body is not allowed to read or act on the tender before the point in time of the tender opening. The acknowledgment of the tender reception shall be communicated to the party based on the electronic envelope of the tender and not the party information within the tender document.. |
| Initial Event | The tender receipt notification is sent to the economic operator. |
| Terminal event | The economic operator has received the tender receipt notification. |
| Scope | To acknowledge the reception of a tender document and noting the date and time of reception. |
| Boundary | Only acknowledges that a tender has been received. |

* + - 1. **Trdm045 Tender Reception Notification transaction business requirements**

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr45-001 | The Tender Reception Notification shall have its own ID, date and time (and timezone) of issue and name or identification of its sender and receiver. |
| tbr45-005 | The Tender Reception Notification shall refer to the Tender documents that were received and to the procurement project. |
| tbr45-002 | The Tender Reception Notification shall state the date and time (and timezone) the tender was received |
| tbr45-003 | The Tender Reception Notification shall NOT give an assessment on completeness or validity of the tender. |
| tbr45-004 | In case the tender document was submitted simultaneously with the Qualification documents and/or the pre-award Catalogue document, the Tender Reception Notification shall notify the reception of those documents as well. |
| tbr45-006 | The Tender Reception Notification may state the object of the tendered contract. |
| tbr45-007 | It shall be possible to check the integrity of the received document(s), e.g. by quoting the hash values. |
| Tbr45-008 | It shall be possible to check the integrity of the Tender Reception Notification |

* + - 1. **Trdm045 Tender Reception notification transaction model**

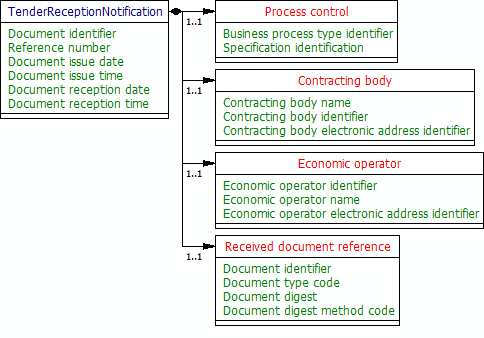


Figure 5 — Tender Reception notification transaction model

* + - 1. **Trdm045 Tender Reception Notification Transaction Information Requirements**

| **InfReqID** | **Card** | **Tree and Business term** | | | | **Usage** | **Data Type** | **BusReqID** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | TenderReceptionNotification | | |  |  |  |
| tir45-001 | 1..1 | |  | Document identifier | | Identifier of a document The identifier enables positive referencing the document instance for various purposes including referencing between transactions that are part of the same process. | Identifier | tbr45-001 |
| tir45-018 | 1..1 | |  | Reference number | | An identifier that is specified by the buyer and used as a reference number for all documents in the procurement process. It is also known as procurement project identifier, procurement reference number or contract folder identifier. | Identifier | tbr45-005 |
| tir45-002 | 1..1 | |  | Document issue date | | Date when the referred document was issued. | Date | tbr45-001 |
| tir45-003 | 1..1 | |  | Document issue time | | Time when the document was issued. | Time | tbr45-001 |
| tir45-022 | 1..1 | |  | Document reception date | | Date when the referred document was received. | Date | tbr45-002 |
| tir45-023 | 1..1 | |  | Document reception time | | The time at which the referenced document was received by the sender of the response. | Time | tbr45-002 |
|  | 1..1 | |  | Process control | | A group of business terms providing information on the business process and rules applicable to the document. |  |  |
| tir45-005 | 1..1 | |  | | Business process type identifier | Identifies the business process context in which the transaction appears. It enables the buyer to process the document in an appropriate way. | Identifier | tbr00-001 |
| tir45-006 | 1..1 | |  | | Specification identification | 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. The identification may include the version of the specification as well as any customizations applied. | Identifier | tbr00-002 |
| 3 | 1..1 | |  | Contracting body | | The contracting authority or contracting entity who is buying supplies, services or public works using a tendering procedure as described in the applicable directive (Directives 2014/24/EU, 2014/25/EU). |  |  |
| tir45-007 | 0..1 | |  | | Contracting body name | The name of the contracting body as it is registered. | Text | tbr45-001 |
| tir45-008 | 0..1 | |  | | Contracting body identifier | The national identifier of a contracting body as it is legally registered (e.g. VAT identification, such as KBO) | Identifier | tbr45-001 |
| tir45-009 | 0..1 | |  | | Contracting body electronic address identifier | Electronic address of the contracting body. | Identifier | tbr45-001 |
| 2 | 1..1 | |  | Economic operator | | Any natural or legal person or public entity or group of such persons and/or entities, including any temporary association of undertakings, which offers the execution of works and/or a work, the supply of products or the provision of services on the market. |  |  |
| tir45-011 | 0..1 | |  | | Economic operator identifier | An identifier that identifies the economic operator, such as a legal registration identifier. | Identifier | tbr45-001 |
| tir45-010 | 0..1 | |  | | Economic operator name | The name of the economic operator. | Text | tbr45-001 |
| tir45-012 | 0..1 | |  | | Economic operator electronic address identifier | Electronic address of the economic operator. A response may contain the party electronic address. The address can be of any format and the format should be identified in the message. | Identifier | tbr45-001 |
| 1 | 1..1 | |  | Received document reference | | References to the business document that the reported decision applies. |  | tbr45-005 |
| tir45-016 | 1..1 | |  | | Document identifier | Identifier of a document | Identifier | tbr45-005 |
| tir45-017 | 1..1 | |  | | Document type code | A code specifying the type of the document. | Code | tbr45-005 |
| tir45-021 | 0..1 | |  | | Document digest | Digest of the document. | Text | tbr45-007 |
| tir45-024 | 0..1 | |  | | Document digest method code | Code that indicates the algorithm used to calculate the hash. | Code | tbr45-007 |

* + - 1. **Trdm045 Tender Reception Notification Transaction Business Rules**

| **RuleID** | **rulenote** | **target** | **errorlevel** |
| --- | --- | --- | --- |
| BII3-T45-R001 | A Tender Receipt Notification MUST have an identifer | tender reception notification | fatal |
| BII3-T45-R002 | A Tender Receipt Notification MUST have an issue date | tender reception notification | fatal |
| BII3-T45-R003 | A Tender Receipt Notification MUST have an issue time | tender reception notification | fatal |
| BII3-T45-R004 | Issue time MUST include timezone information | tender reception notification | fatal |
| BII3-T45-R005 | A Tender Receipt Notification MUST have information about the Contracting Authority | tender reception notification | fatal |
| BII3-T45-R006 | A Tender Receipt Notification MUST have information about the Economic Operator | tender reception notification | fatal |
| BII3-T45-R007 | A Tender Receipt Notification MUST have a procurement project identifier | tender reception notification | fatal |
| BII3-T45-R008 | A Tender Receipt Notification MUST have references to the Tender documents received | tender reception notification | fatal |
| BII3-T45-R009 | A Tender Receipt Notification MUST have a customization identifier | tender reception notification | fatal |
| BII3-T45-R010 | A Tender Receipt Notification MUST have a profile identifier | tender reception notification | fatal |
| BII3-T45-R011 | A Tender Receipt Notification MUST state the date the Tender was received | tender reception notification | fatal |
| BII3-T45-R012 | A Tender Receipt Notification MUST state the time the Tender was received | tender reception notification | fatal |
| BII3-T45-R013 | A document reference MUST have a document identifier | Document Reference | fatal |
| BII3-T45-R014 | A document reference MUST have a document type code | Document Reference | fatal |
| BII3-T45-R016 | A document type code MUST have a list identifier attribute 'UNCL1001' | Document type | fatal |
| BII3-T45-R017 | Reception of tender time MUST include timezone information | tender reception notification | fatal |
| CL-T45-R001 | DocumentTypeCode MUST be from the code list UNCL 1001 | DocumentTypeCode | fatal |

# Implementation

CWA3456 Part 218 contains the UBL syntax implementation guide for Trdm090 Submit Tender.

CWA3456 Part 205 contains the UBL syntax implementation guide for Trdm045 Tender Reception Notification.

# References

* [Directive 2014/23/EU of the European Parliament and of the Council of 26 February 2014 on the award of concession contracts](http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1435830281783&uri=CELEX:32014L0025)
* [Directive 2014/24/EU of the European Parliament and the Council of 26 February 2014 on public procurement and repealing Directive 2004/18/EC](http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1435830281783&uri=CELEX:32014L0024)
* [Directive 2014/25/EU of the European Parliament and of the Council of 26 February 2014 on procurement by entities operating in the water, energy, transport and postal services sectors and repealing Directive 2004/17/ EU](http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1435830281783&uri=CELEX:32014L0025)

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. [↑](#footnote-ref-1)
2. 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) [↑](#footnote-ref-2)