

**Business Interoperability Specification**

**OpenPEPPOL AISBL**

**Post Award Coordinating Community**

**ICT - Models**

**BIS 3A – Order only**

**Version: 4.0**

**Status: In use**

***Statement of copyright***

This PEPPOL Business Interoperability Specification (BIS) document is based on the CEN CWA prepared by the BII workshop specified in the Introduction below.

The original CEN CWA document contains the following copyright notice which still applies:

|  |
| --- |
| © 2012 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members. |

The CEN CWA documents and profiles prepared by the BII workshop are not specific to a business area. Subject to agreement with CEN, customizations have been made by PEPPOL to establish the PEPPOL BIS, detailing and adding further guidance on the use of BII profiles.

OpenPEPPOL AISBL holds the copyright in the customizations made to the original document. The customizations appear from the corresponding conformance statement which is attached to this document. For the purpose of national implementations, customizations covered by the conformance statement may be further refined and detailed by PEPPOL Authorities and/or other entities authorized by OpenPEPPOL AISBL, provided that interoperability with PEPPOL BIS is ensured.

This PEPPOL BIS document may not be modified, re-distributed, sold or repackaged in any other way without the prior consent of CEN and/or OpenPEPPOL AISBL.

**Table of Contents**

[1 Introduction to openPEPPOL and BIS 5](#_Toc373140739)

[1.1 Audience 5](#_Toc373140740)

[2 References 6](#_Toc373140741)

[3 Document history 7](#_Toc373140742)

[3.1 Revision history 7](#_Toc373140743)

[3.2 Contributors 7](#_Toc373140744)

[4 Principles and prerequisites 8](#_Toc373140745)

[4.1 PEPPOL BIS 3A - Scope 8](#_Toc373140746)

[4.2 PEPPOL BIS 3A - Parties and roles 9](#_Toc373140747)

[4.3 PEPPOL BIS 3A - Benefit 10](#_Toc373140748)

[4.4 PEPPOL BIS 3A - Interoperability 10](#_Toc373140749)

[5 Transaction business requirements 12](#_Toc373140750)

[5.1 General requirements 12](#_Toc373140751)

[5.2 Parties 12](#_Toc373140752)

[5.3 Delivery 13](#_Toc373140753)

[5.4 Line requirements 13](#_Toc373140754)

[5.5 Legal requirements 13](#_Toc373140755)

[5.6 Specific OpenPEPPOL requirements 14](#_Toc373140756)

[6 Code lists 15](#_Toc373140757)

[6.1 Code lists for coded elements 15](#_Toc373140758)

[6.1.1 Links to code lists 15](#_Toc373140759)

[6.2 Codelists for identifier schemes 15](#_Toc373140760)

[7 Business Rules 16](#_Toc373140761)

[7.1 Order business rules 16](#_Toc373140762)

[7.2 Codelists business rules 17](#_Toc373140763)

[8 Process and typical use cases 18](#_Toc373140764)

[8.1 Process flow 18](#_Toc373140765)

[8.2 Business process Diagram 19](#_Toc373140766)

[8.2.1 Legend for BPMN diagrams 19](#_Toc373140767)

[8.3 Use case 1 – Ordering of numbered items/articles 20](#_Toc373140768)

[8.4 Use case 2 – Ordering of free text articles 20](#_Toc373140769)

[8.5 Use case 3 – Ordering of services 20](#_Toc373140770)

[8.6 Use case 4 – Complex ordering 21](#_Toc373140771)

[9 Description of selected parts of the order message 22](#_Toc373140772)

[9.1 Parties 22](#_Toc373140773)

[9.1.1 SellerSupplierParty (Seller) 22](#_Toc373140774)

[9.1.2 BuyerCustomerParty (Buyer) 22](#_Toc373140775)

[9.1.3 OriginatorCustomerParty (Originator) 23](#_Toc373140776)

[9.1.4 AccountingCustomerParty (Invoicee) 23](#_Toc373140777)

[9.2 Attachments 24](#_Toc373140778)

[9.3 Product identification 25](#_Toc373140779)

[9.4 Product name and description 25](#_Toc373140780)

[9.5 Quantities and units 26](#_Toc373140781)

[9.6 Prices 26](#_Toc373140782)

[9.7 Allowances and charges 26](#_Toc373140783)

[9.7.1 General rules 26](#_Toc373140784)

[9.7.2 Allowance and Charges on header level. 27](#_Toc373140785)

[9.7.3 Allowance and Charges related to price 27](#_Toc373140786)

[9.8 Calculation of totals (AnticipatedMonetaryTotals) 27](#_Toc373140787)

[9.8.1 Example of calculations: 28](#_Toc373140788)

[9.8.2 Element for rounding amount, the PayableRoundingAmount 29](#_Toc373140789)

[9.9 Tax total 29](#_Toc373140790)

[10 PEPPOL Identifiers 30](#_Toc373140791)

[10.1 Party Identifiers 30](#_Toc373140792)

[10.2 Version ID 30](#_Toc373140793)

[10.3 Profile ID 30](#_Toc373140794)

[10.4 Customization ID 31](#_Toc373140795)

[10.5 Namespaces 31](#_Toc373140796)

[11 XML Schema Guideline and information content of the Order message 32](#_Toc373140797)

[11.1 Structure 32](#_Toc373140798)

[11.2 Details 36](#_Toc373140799)

[12 Appendices 59](#_Toc373140800)

[12.1 Appendix A 59](#_Toc373140801)

[12.2 Appendix B 59](#_Toc373140802)

# Introduction to openPEPPOL and BIS

This BIS is a result of work within openPEPPOL and is published as part of the 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. This PEPPOL BIS is based on the CEN WS/BII2 Profile “BII Profile 03 Order Only”.

**The purpose** of this document is to describe a common format for the order message in the European market, and to facilitate an efficient implementation and increased use of electronic collaboration regarding the ordering process based on this format.



## Audience

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

 Service providers

 Contracting Authorities

 Economic Operators

 Software Developers

More specifically it is addressed towards the following roles:

 ICT Architects

 ICT Developers

 Business Experts

For further information on PEPPOL/OpenPEPPOL please see [COMMON BIS].

# References

[PEPPOL] <http://www.peppol.eu/>

[PEPPOL\_EIA] <http://www.peppol.eu/peppol_components/peppol-eia/eia>

[PEPPOL\_PostAward] [http://www.peppol.eu/peppol\_components/peppol-eia/eia#ict-architecture/post-award- eprocurement/models](http://www.peppol.eu/peppol_components/peppol-eia/eia%23ict-architecture/post-award-%20eprocurement/models)

[PEPPOL\_Transp] <http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/transport-> infrastructure/models

[COMMON BIS] To be developed

[CEN\_BII2] [http://www.cenbii.eu](http://www.cenbii.eu/)

[BII\_Order] <ftp://ftp.cen.eu/public/CWAs/BII2/CWA16562/CWA16562-Annex-A-BII-Profile-03-OrderOnly-V2_0_0.pdf>

[BII\_OrderModel] A browsable HTML version:

<http://spec.cenbii.eu/BII2/fxhtml/Trdm001-Order/g_1.htm?http://spec.cenbii.eu/BII2/fxhtml/Trdm001-Order/g_5.htm>

[UBL] <http://docs.oasis-open.org/ubl/UBL-2.1.html>

[UBL\_Order] <http://docs.oasis-open.org/ubl/os-UBL-2.1/xsd/maindoc/UBL-Order-2.1.xsd>

[Schematron] [http://www.schematron.com](http://www.schematron.com/)

[XSLT] <http://www.w3.org/TR/xslt20/>

[DIR\_2009/101/EC] Council Directive 2009/101/EC of 16 September 2009, Article 5: Member States shall prescribe that letters and order forms, whether they are in paper form or use any other medium , are to state the following particulars…, found at:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT>

[DIR\_2006/112/EC] Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax, found at:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT>

[DIR\_1999/93/EC] Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures, found at:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31999L0093:EN:NOT>

[EIF] European Interoperability Framework 2.0, found at:<http://ec.europa.eu/isa/library/index_en.htm> [http://ec.europa.eu/isa/documents/isa\_annex\_ii\_eif\_en.pdf](%20http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf)

[GS1 Keys] <http://www.gs1.org/barcodes/technical/id_keys>

# Document history

## Revision history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Organisation** | **Description** |
| 1.0 | 30.04.2010 | Klaus V. Pedersen | Difi | First version (pending EC approval) |
| 1.1 | 29.09.2010 | Sverre Bauck | Difi | Proposed further development of version |
| 1.2 | 12.10.2010 | Sverre Bauck | Difi | Incorporation of commented proposals |
| 1.3 | 28.10.2012 | Klaus V. Pedersen  Andrea Leutgeb | Difi  PEPPOL.AT | Updated chapter 1 |
| 2.0 | 29.11.2010 | Andrea Leutgeb | PEPPOL.AT | Second version (pending EC approval) |
| 2.02 | 05.09.2011 | Bergthor Skulason | NITA | Approved by EC |
| 2.10 | 30.11.2011 | Bergthor Skulason | NITA | Update business rules and codelists.  Setup guideline as separate document. |
| 3.0 | 20.11.2011 | Bergthor Skulason | NITA | 3rd version. |
| 4.0 | 25.11.2013 | Erik Gustavsen | Difi/Edisys Consulting AS | 4th version. |

## Contributors

Are Berg, Difi, NO

Jan Mærøe, Difi, NO

Olav Kristiansen, Difi, NO

Martin Forsberg, SFTI, SE

Thomas Pettersson, SFTI, SE

Sven Rostgaard Rasmussen, DIGST, DK

Ole Ellerbæk Madsen, DIGST, DK

Arianna Brutti, Intercent-ER, IT

Oriol Bausà, Invinet ES

Christian Druschke, Capgemini, NO

Anders Kingstedt, OpenPEPPOL

Jaroslav Flejberk, GS1

Jostein Frømyr, Difi, NO

Erik Gustavsen, Difi, NO

# Principles and prerequisites

This chapter describes the principles and assumptions that underlie the use of PEPPOL Ordering. It is based on the CEN BII 03 Order Only. See [BII\_Ordering]

## PEPPOL BIS 3A - Scope

This BIS describes a process comprising a Buyer to issue an electronic order without an order confirmation by the Seller.

The main activities supported by this profile are:

***Structured Ordering***

The Order transaction should support the structured ordering of goods or services, using free text or use of identifiers. The information source of the ordered products may be a (paper or electronic) catalogue.

***Accounting***

The ordering process must support the allocation of budgets, so the value amounts of the ordered products may be stated. The buyer may provide some information that the seller is required to place on the invoice for aiding and automation of invoice processing.

***Invoice Verification***

The buyer may provide some information that the seller is required to place on the invoice for aiding and automation of invoice approval.

***VAT reporting***

VAT reporting is not a general requirement on orders. The level of support in orders is to

* Enable VAT reporting in invoices by providing VAT number of buyer in case of reverse charges.
* VAT can be stated as an estimate to enable buyers to state expected value of order. This can be helpful in automated matching of orders and invoices. VAT information is informative and does not affect the terms of trade.

***Transport and delivery***

Only limited support is in scope for transport related information, but it is recognized that the buyer needs to be able to provide some information about requested delivery location, some basic term, time and contact persons for a delivery of an order.

***Inventory***

Supporting inventory management is not in scope, but structured orders based on catalogues can be used to automate picking at supplier warehouses.

## PEPPOL BIS 3A - Parties and roles

The table below gives the definitions of the parties and roles of the ordering process.

|  |  |  |
| --- | --- | --- |
| **Business partners** | **Description** | |
| Customer | The customer is the legal person or organization who is in demand of a product or service.  Examples of customer roles: buyer, consignee/delivery part, debtor, contracting authority, originator. | |
| Supplier | The supplier is the legal person or organization who provides a product or service.  Examples of supplier roles: seller, consignor, creditor, economic operator. | |
| **Role/actor** | | **Description** | |
| Buyer  (BuyerCustomerParty) | | The buyer is the legal person or organization acting on behalf of the customer and who buys or purchases the goods or services. | |
| Seller  (SellerSupplierParty) | | The seller is the legal person or organization acting on behalf of the supplier and who sells goods or services to the customer. | |
| Originator  (OriginatorCustomerParty) | | A person or unit that initiates an order. | |
| Invoicee  (AccountingCustomerParty) | | A person or unit that receives the invoice (invoicee) on behalf of the customer. | |

The following diagram links the business processes to the roles performed by the Business Partners.



## PEPPOL BIS 3A - Benefit

Based on success with automation of invoicing, there is a growing interest in automation of ordering also. This approach has two dimensions: Support further automation of invoicing and using structured catalogues as basis for ordering. Implementing this BIS is an important step for many companies and government agencies towards full procurement automation.

For the sellers, the approval, picking and invoicing can be automated significantly.

For the procuring agency, approval and accounting of invoices can be automated and ordering can be structured by use of catalogues.

Other potential benefits of using this BIS are, among others:

* Can be used by procuring agencies as step towards automation of procurement The flexibility of the specifications allows the buyers to gradually automate and structure ordering, based on a cost/benefit approach.
* SME can offer their trading partners the option of exchanging standardized documents in a uniform way and thereby move all orders into electronic form.
* Large companies can implement this BIS as standardized documents for general operations and implement custom designed bi-lateral connections for large trading partners.
* Can be used as basis for restructuring of in-house processes of orders and invoices.
* Significant saving can be realized by the procuring agency by automating and streamlining in-house processing.
* Significant saving can be realized by the sellers by automating and streamlining in-house processing. Linking to picking and invoicing can be improved significantly based on increased order quality, restructuring of invoice dispute resolution and shorter payment cycles.
* For the procuring agency, invoice automation and ordering can be structured.

## PEPPOL BIS 3A - Interoperability

This PEPPOL BIS structure is based on the European Interoperability Framework 2.0. PEPPOL BIS applies the Framework as follows:

1. **Organizational interoperability**

* Organization (Organization/Business):
  + This PEPPOL BIS supports B2B and B2G
  + This PEPPOL BIS supports cross border, regional and domestic ordering in EU and EEA
  + This PEPPOL BIS can function as a component in an EDI agreement within a trading community
  + This PEPPOL BIS supports linking of business processes within the sending and receiving organization. The process of order transmission in electronic form can be linked into internal processes of both sender and receiver, which may differ for various reasons.
* Organization (Process):
  + This PEPPOL BIS supports a set of “common business processes” that are assumed to be supported by most enterprises whether public or private. These are processes that are used widely or understood as being relevant for most companies.

1. **Semantic interoperability**

* Semantic:

The set of information elements is assumed to be sufficient to support organizational business and processing requirements stated above.

* + A CORE Order:
    - Data model, a set of elements that the receiver MUST be able to process.
    - Business rules, a set of business rules that ensure a common way of processing the information elements. The rules are stated in a way that allows for automated validation of document instances. Issuers and receivers can verify that the exchanged document conformes to the rules of this BIS.

PEPPOL adds business rules on top of the data model to clarify certain design choices left open by the CEN BII. These choices are intended to lower the implementation threshold by limiting options for implementers and thereby increase interoperability of PEPPOL invoices.

1. **Technical interoperability**

* Technical Interaction (Process and semantic implementation):
  + Binding to OASIS UBL 2.1, see [UBL]
  + ISO/IEC 19757-3 Schematron, for automation of document validation, see [Schematron] XSLT Stylesheet for presentation of content, see [XSLT]
* Technical Interaction (eSignature Validation):
  + Not mandatory in this PEPPOL BIS. Not supported.

# Transaction business requirements

## General requirements

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr01-001 | To control the validation and processing of an order; information that identifies the data model customization used and the business process that the order is part of |
| tbr01-002 | An order must provide information about its identity, type (purchase order or consignment order), issue date and validity |
| tbr01-003 | To provide flexibility in ordering an order must provide for free text notes on document level as well as on individual order lines. |
| tbr01-004 | An order must provide for information about the value of items ordered and what prices, charges and totals (including estimate of VAT) are expected to be paid in a way that can be matched against an invoice. |
| tbr01-005 | The order must enable the buyer to send information that can be reported back in a resulting invoice with the purpose of automating the processing of the invoice. |
| tbr01-006 | The order must enable the buyer to reference contract and documents that are relevant to prices and terms, including terms of delivery. |
| tbr01-030 | The order must support information needed to specify estimated allowance and charges on document level that apply to the order as a whole. |
| tbr01-031 | All amounts in the Order must be stated in the same currency. |
| tbr01-032 | Order should only contain non-negative prices and quantities |

## Parties

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr01-010 | An electronic order must provide for the identification of the electronic address from which the buyer sent the message and the electronic address to which it should be sent. |
| tbr01-011 | For supporting reverse charge VAT invoicing the order must provide for the buyers VAT number in order to enable the seller to issue legally valid invoices. In some cases the buyer’s legal registration ID should also be provided. The legal registration ID may be used for identification purposes in the invoicing process and to verify the identity of parties for commercial purposes. |
| tbr01-012 | An order must provide for legal information for the buyer. Ref. [DIR\_2009/101/EC] |
| tbr01-013 | An order must provide for contact information for the buyer and the seller including structured name, phone, fax and email and job title. |
| tbr01-009 | An order must provide for identifying the buyer and seller with name and address as well as identifiers, including the sellers’ legal registration ID. Use of published identifiers is common for identifying parties. Each party should be free to choose the scheme from which the own identification is derived. |
| tbr01-020 | An order must provide for contact details of the party who originated the order as a whole or for individual order lines (i.e. the end user of the items). |

## Delivery

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr01-021 | An order must provide for details about delivery location (address and ID), some basic delivery terms, delivery time and contact person for a delivery of an order. |
| tbr01-022 | An order must provide for information about the dates before and/or after which the order as whole or individual order lines must be delivered. |
| tbr01-033 | An order line must provide for indication on whether the buyer accepts partial deliveries of that line. |
| tbr01-038 | Basic delivery terms for transport   * Transport location * Transport terms |

## Line requirements

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr01-025 | Each line in an order must be clearly identified to enable referencing from other documents. |
| tbr01-027 | An order must provide for information about the final price that the buyer expects to pay exclusive of any VAT. This makes it possible for the seller to verify against his price lists and contracts. An order must provide for giving the base quantity to which the price applies. |
| tbr01-028 | An order line must provide for information about the quantity ordered and its unit of measure. |
| tbr01-029 | An order line must provide for detailed identification of the ordered item or variant of the item including name, identifiers, description as well as the values for different item properties, diagrams and specifications. |
| tbr01-034 | An order line must provide for seller identifiers and standard identifiers for products |
| tbr01-035 | It must be possible to state informative price discounts and amounts already paid. |

## Legal requirements

This chapter describes the legal scope for adoption of PEPPOL Business Interoperability Specifications (BIS) 3a – Order only. These requirements apply to Businesses and Governments (B2G) who reside in countries whose eProcurement legal frameworks are aligned with requirements as stated in this specification.

Legal requirements to be supported by this BIS. Ref. [DIR\_2009/101/EC]

* the information necessary in order to identify the register in which the file mentioned in Article 3 is kept, together with the number of the company in that register;
* the legal form of the company, the location of its registered office and, where appropriate, the fact that the company is being wound up.
* Where, in those documents, mention is made of the capital of the company, the reference shall be to the capital subscribed and paid up.
* Member States shall prescribe that company websites are to contain at least the particulars mentioned in the first paragraph and, if applicable, a reference to the capital subscribed and paid up.

## Specific OpenPEPPOL requirements

|  |  |  |
| --- | --- | --- |
| **ID:** | **Business term:** | **Description:** |
|  | **HEADER LEVEL:** |  |
| OP-T01-010 | **Buyers contact ID** | An order must support the use of ID for buyers contact person. On the order the information is mandatory in Norwegian markets, and recommended in others. Normally used for “Your reference”. |
| OP-T01-011 | **Invoicee** | An order must support the use of invoicee information. Content will be the same as for buyer except contact information.  Norwegian, Swedish and Danish requirement. |
| OP-T01-014 | **Payment instructions and terms** | An order must support specification of payment terms as plain text.  Italian requirement. |
|  | **LINE LEVEL:** |  |
| OP-T01-012 | **Item specification reference** | There is a need to refer to an external document (ID) when it is necessary to specify the details of the item. This could be an instruction on how an item should be assembled or configured.  Swedish requirement. |
| OP-T01-013 | **AdditionalItemProperty:Value quantity and value qualifier** | Value quantity and value qualifier has been added to the AdditionalItemProperty element to harmonize with PEPPOL BIS Catalogue. |

# Code lists

## Code lists for coded elements

Table of the code lists used in the order transaction:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Term** | **Source** | **Subset** | **Xpath** | **listID** |
| Order Type Code | Subset of UN/ECE D1001 for order types | PEPPOL | cbc:OrderTypeCode | UNCL1001  Values  227 – Consignment Order |
| Currency Code | [ISO 4217](http://www.currency-iso.org/dam/downloads/dl_iso_table_a1.xml) |  | cbc:DocumentCurrencyCode  @currencyID | ISO4217 |
| MIME Media Type Code | [IANA](ftp://ftp.cen.eu/public/CWAs/BII2/CWA16558/CWA16558-Annex-G-BII-CodeLists-V2_0_4.pdf%20) |  | @mimeCode |  |
| Country Code | [ISO 3166-1 alpha2](http://www.iso.org/iso/home/standards/country_codes.htm) |  | cac:Country/cbc:Identificationcode | ISO3166-1:Alpha2 |
| Unit Of Measure | [UN/ECE Rec 20](http://www.unece.org/cefact/recommendations/rec20/Rec20_Rev6e_2009.xls) |  | @unitCode | UNECERec20  Note: Use this list identifier in the attribute unitCodeListID |

### Links to code lists

**CEN BII2 subsets**

<ftp://ftp.cen.eu/public/CWAs/BII2/CWA16558/CWA16558-Annex-G-BII-CodeLists-V2_0_4.pdf>

**ISO 4217**

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

**IANA**

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

**ISO 3166-1 alpha2:**

<http://www.iso.org/iso/home/standards/country_codes.htm>

**UN/ECE Rec 20:**

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

**UN ECE 1225:**

http://www.unece.org/trade/untdid/d08a/tred/tred1225.htm

## Codelists for identifier schemes

Table of the code lists used to constrain the values of schemeID for identifiers in the order transaction:

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Term** | **Allowed SchemeID** | **Applicable Xpath** | **Note** |
| **Party Identifier** | See “PEPPOL Policy for using Identifiers” | cbc:EndpointID/@schemeID  cac:PartyIdentification/cbc:ID/@schemeID  cac:PartyLegalEntity/cbc:CompanyID/@schemeID  cac:PartyTaxScheme/cbc:CompantID/@schemeID | Mandatory  Mandatory  Optional  Optional |
| **Tax Category Identifier** | Use [UNECE5305 CEN BII2](ftp://ftp.cen.eu/public/CWAs/BII2/CWA16558/CWA16558-Annex-G-BII-CodeLists-V2_0_4.pdf) subset. | cac:TaxCategory/cbc:ID  cac:ClassifiedTaxCategory/cbc:ID | Note: Validate the ID with the code list provided by CEN BII2. **SchemeID** attribute must be UNCL5305 |

# Business Rules

## Order business rules

|  |  |  |
| --- | --- | --- |
| **RuleID** | **Rule** | **error level** |
| BII2-T01-R001 | An order MUST have a customization identifier | fatal |
| BII2-T01-R002 | An order MUST have a profile identifier | fatal |
| BII2-T01-R003 | Each order line MUST have a document line identifier that is unique within the order | fatal |
| BII2-T01-R004 | An order MUST have a document issue date | fatal |
| BII2-T01-R005 | An order SHOULD provide information about its validity end date | warning |
| BII2-T01-R006 | An order MUST have a document identifier | fatal |
| BII2-T01-R007 | Allowances and charges MUST have a reason | fatal |
| BII2-T01-R009 | An order MUST be stated in a single currency | fatal |
| BII2-T01-R010 | Each order line ordered quantity MUST not be negative | fatal |
| BII2-T01-R011 | Each order line item net price MUST not be negative | fatal |
| BII2-T01-R012 | Expected total amount for payment MUST NOT be negative | fatal |
| BII2-T01-R013 | Expected total sum of line amounts MUST NOT be negative | fatal |
| BII2-T01-R014 | Expected total sum of line amounts MUST equal the sum of the order line amounts at order line level | fatal |
| BII2-T01-R015 | Expected total sum of allowance at document level MUST be equal to the sum of allowance amounts at document level | fatal |
| BII2-T01-R016 | Expected total sum of charges at document level MUST be equal to the sum of charges at document level | fatal |
| BII2-T01-R017 | Expected total amount for payment MUST be equal to the sum of line amounts minus sum of allowances at document level plus sum of charges at document level and VAT total amount | fatal |
| BII2-T01-R018 | VAT total amount SHOULD be the sum of order line tax amounts, if order line tax amounts are provided | warning |
| BII2-T01-R019 | Each item property MUST have a data name, if item property is provided | fatal |
| BII2-T01-R020 | Each item property MUST have a data value, if item property is provided | fatal |
| BII2-T01-R021 | An order MUST have the buyer party name or a buyer party identifier | fatal |
| BII2-T01-R022 | An order MUST have the seller party name or a seller party identifier | fatal |
| BII2-T01-R029 | Each order line SHOULD have an ordered quantity | warning |
| BII2-T01-R030 | Each order line ordered quantity MUST have an associated unit of measure | fatal |
| BII2-T01-R031 | Each order line MUST have an item identifier and/or an item name | fatal |
| EUGEN-T01-R011 | An endpoint identifier MUST have a scheme identifier attribute | fatal |
| EUGEN-T01-R012 | A party identifier MUST have a scheme identifier attribute | fatal |
| EUGEN-T01-R013 | An order type code MUST have a list identifier attribute “UNCL1001” | fatal |
| EUGEN-T01-R014 | A document currency code MUST have a list identifier attribute “ISO4217” | fatal |
| EUGEN-T01-R015 | A country identification code MUST have a list identifier attribute “ISO3166-1:Alpha2” | fatal |
| EUGEN-T01-R016 | A unit code attribute MUST have a unit code list identifier attribute “UNECERec20” | fatal |
| EUGEN-T01-R017 | A tax category identifier MUST have a scheme identifier attribute “UNCL5305” | fatal |

## Codelists business rules

| **Identifier** | **Business Rule** |
| --- | --- |
| OP-T01-001 | OrderTypeCode in an order MUST be from UN/ECE 1001 code list PEPPOL Subset |
| OP-T01-002 | DocumentCurrencyCode MUST be coded using ISO code list 4217 |
| OP-T01-003 | A Binary Object MIME code attribute MUST be coded using MIME Code Type version 2008 code list |
| OP-T01-004 | An Endpoint Identifier Scheme identifier MUST be from the code list PEPPOL Party Identifier |
| OP-T01-005 | An Party Identifier Scheme identifier MUST be from the code list PEPPOL Party Identifier |
| OP-T01-006 | Country codes in an order MUST be coded using ISO code list 3166-1 |
| OP-T01-007 | currencyID MUST be coded using ISO code list 4217 |
| OP-T01-008 | A tax category identifier MUST be coded using UN/ECE 5305 BII2 Subset |
| OP-T01-009 | Unit code MUST be coded according to the UN/ECE Recommendation 20 (2009) |

# Process and typical use cases

The Order only profile includes the sending of Orders from a Buyer to a Seller.

## Process flow

The Order process flow can be described as follows:

* A Buyer submits an Order to the Seller requesting for delivery of goods or services
* An Order may refer to a framework agreement for its terms and conditions; otherwise the Buyer’s terms and conditions apply.
* An Order may contain items (goods or services) with item identifiers or items with free text description.

## Business process Diagram

### Legend for BPMN diagrams

The diagrams are expressed in the BPMN notation. The diagram below serves as an explanation for the diagrams used in the process descriptions.



The following diagram shows the choreography of the business process implemented by the profile.



## Use case 1 – Ordering of numbered items/articles

This use case contains an order of numbered items/articles.

|  |  |
| --- | --- |
| **Use Case number** | 1 |
| **Use Case Name** | Ordering of numbered items/articles |
| **Use Case Description** | An order of numbered articles. The order instructs the seller of the delivery address.The seller can deliver some of the items but not all. One item needs to be replaced. |
| **Parties involved** | Buyer  Seller |
| **Assumptions** | The buyer has a catalogue or list of products to order. The catalogue contains the item numbers, names and type of unit of measure. |
| **The flow** | The buyer creates the order with 3 different lines and items.  The seller receives the order. |
| **Result** | The buyer and the seller has reached an agreement. If the invoice has an order reference, the invoice can be matched automatically. |
| **XML example file** | See Appendix A for a sample file illustrating Use Case 1. |

## Use case 2 – Ordering of free text articles

This use case contains an order of free text articles.

|  |  |
| --- | --- |
| **Use Case number** | 2 |
| **Use Case Name** | Ordering of free text articles |
| **Use Case Description** | An order with item/articles described in free text and attribute/value pairs. |
| **Parties involved** | Buyer  Seller  Originator |
| **Assumptions** | The buyer does not have structured item information. The buyer must specify the items in a way that ensures that the seller can properly identify the requested items. |
| **The flow** | The buyer creates the order with 2 different lines and items.  The seller receives the order. |
| **Result** | The buyer and the seller has reached an agreement. If the invoice has an order reference, the invoice can be matched automatically. |
| **XML example file** | See Appendix A for a sample file illustrating Use Case 2. |

## Use case 3 – Ordering of services

This use case contains an order of services.

|  |  |
| --- | --- |
| **Use Case number** | 3 |
| **Use Case Name** | Ordering of services |
| **Use Case Description** | An order of translation services. Delivery location and period is specified. |
| **Parties involved** | Buyer  Seller |
| **Assumptions** | The buyer is using a form with pre-defined and agreed properties for this service. |
| **The flow** | The buyer creates the order with one line requesting translation between Swedish and Spanish.  The seller receives the order. |
| **Result** | The buyer and the seller has reached an agreement. If the invoice has an order reference, the invoice can be matched automatically. |
| **XML example file** | See Appendix A for a sample file illustrating Use Case 3. |

## Use case 4 – Complex ordering

This use case contains an order with almost all elements in the order message used.

|  |  |
| --- | --- |
| **Use Case number** | 4 |
| **Use Case Name** | Complex ordering |
| **Use Case Description** | An order for numbered items with allowance and charges both on order level, line level and price. |
| **Parties involved** | Buyer  Seller  Originator |
| **Assumptions** | The buyer has a catalogue or list of products to order. The catalogue contains the item numbers, names and type of unit of measure. The buyer has reached a special agreement with the seller regarding discounts on the order, orderlines and price. |
| **The flow** | The buyer creates the order with 4 different lines and items.  The seller receives the order. |
| **Result** | The buyer and the seller has reached an agreement. If the invoice has an order reference, the invoice can be matched automatically. |
| **XML example file** | See Appendix A for a sample file illustrating Use Case 4. |

# Description of selected parts of the order message

## Parties

The following parties/roles may be specified in the message:

### SellerSupplierParty (Seller)

The seller is the legal person or organization acting on behalf of the supplier and who sells goods or services to the buyer. The seller is mandatory in the PEPPOL BIS Order message.

**Example:**

<cac:SellerSupplierParty>  
        <cac:Party>  
            <cbc:EndpointID schemeID="NO:ORGNR">965678996</cbc:EndpointID>  
            <cac:PartyIdentification>  
                <cbc:ID schemeID="GLN">5790000435951</cbc:ID>  
            </cac:PartyIdentification>  
            <cac:PartyName>  
                <cbc:Name>The Sellercompany AS</cbc:Name>  
            </cac:PartyName>  
            <cac:PostalAddress>  
                <cbc:StreetName>Address line 1</cbc:StreetName>

<cbc:AdditionalStreetName>Address Line 2</cbc: cbc:AdditionalStreetName >

                <cbc:CityName>BERGEN</cbc:CityName>  
                <cbc:PostalZone>5000</cbc:PostalZone>

<cbc:CountrySubentity>Region B</cbc: cbc:CountrySubentity >  
                <cac:Country>  
                    <cbc:IdentificationCode listID=”ISO3166-1:Alpha2”>NO</cbc:IdentificationCode>  
                </cac:Country>  
            </cac:PostalAddress>  
   <cac:Contact>  
                <cbc:Name>Doe, John</cbc:Name>  
                <cbc:Telephone>915043212</cbc:Telephone>

   <cbc:Telefax>915043213</cbc:Telefax>  
                <cbc:ElectronicMail>john.doe@sellercompany.no</cbc:ElectronicMail>  
            </cac:Contact>  
        </cac:Party>  
    </cac:SellerSupplierParty>

### BuyerCustomerParty (Buyer)

The buyer is the legal person or organization acting on behalf of the customer and who buys or purchases the goods or services. The buyer is mandatory in the PEPPOL BIS Order message.

**Example:**

<cac:BuyerCustomerParty>  
        <cac:Party>  
            <cbc:EndpointID schemeID="NO:ORGNR">984661185</cbc:EndpointID>  
            <cac:PartyIdentification>  
                <cbc:ID schemeID="GLN">5790000435944</cbc:ID>  
            </cac:PartyIdentification>  
            <cac:PartyName>  
                <cbc:Name>The Buyercompany</cbc:Name>  
            </cac:PartyName>  
            <cac:PostalAddress>  
                <cbc:StreetName>Address line 1</cbc:StreetName>

<cbc:AdditionalStreetName>Address Line 2</cbc: cbc:AdditionalStreetName >

                <cbc:CityName>OSLO</cbc:CityName>  
                <cbc:PostalZone>0185</cbc:PostalZone>

<cbc:CountrySubentity>Region A</cbc: cbc:CountrySubentity >  
                <cac:Country>  
                    <cbc:IdentificationCode listID=”ISO3166-1:Alpha2”>NO</cbc:IdentificationCode>  
                </cac:Country>  
            </cac:PostalAddress>  
           <cac:PartyTaxScheme>

<cbc:CompanyID>984661185MVA</cbc:CompanyID>

<cac:TaxScheme>

<cbc:ID>VAT</cbc:ID>

</cac:TaxScheme>

</cac:PartyTaxScheme>

</cac:PartyLegalEntity>

</cbc:RegistrationName>The BuyerCompany ASA</cbc:RegistrationName>

</cbc:CompanyID>984661185</cbc:CompanyID>

<cac:RegistrationAddress>

<cbc:CityName>Oslo</cbc:CityName>

<cac:Country>

<cbc:IdentificationCode listID=”ISO3166-1:Alpha2”>NO</cbc:IdentificationCode>

</cac:Country>

</cac:RegistrationAddress>

</cac:PartyLegalEntity>

  <cac:Contact>  
                <cbc:ID>3150bdn </cbc:ID>  
                <cbc:Name>Johansen, Pat</cbc:Name>  
                <cbc:Telephone>91508465</cbc:Telephone>

   <cbc:Telefax>91508466</cbc:Telefax>  
                <cbc:ElectronicMail>pat.johansen@buyercompany.no</cbc:ElectronicMail>  
            </cac:Contact>  
        </cac:Party>  
    </cac:BuyerCustomerParty>

### OriginatorCustomerParty (Originator)

The unit initiating the order. Most often the end user. The originator information is optional in the PEPPOL BIS Order message.

**Example:**

<cac:OriginatorCustomerParty>  
        <cac:Party>  
            <cac:PartyName>  
                <cbc:Name>Purchasing department</cbc:Name>  
            </cac:PartyName>  
            <cac:Contact>  
                <cbc:Name>Smith, John</cbc:Name>  
                <cbc:Telephone>92005761</cbc:Telephone>

   <cbc:Telefax>92005762</cbc:Telefax>  
                <cbc:ElectronicMail>john.smith@sellercompany.no</cbc:ElectronicMail>  
            </cac:Contact>  
        </cac:Party>  
    </cac:OriginatorCustomerParty>

### AccountingCustomerParty (Invoicee)

The invoicee is the legal person or organization acting on behalf of the customer and who receives the invoice for the order. The invoicee information is optional in the PEPPOL BIS Order message.

**Example:**

<cac:AccountingCustomerParty>

<cac:Party>

<cbc:EndpointID schemeID="SE:ORGNR">5544332211</cbc:EndpointID>

<cac:PartyIdentification>

<cbc:ID schemeID="SE:ORGNR">5544332211</cbc:ID>

</cac:PartyIdentification>

<cac:PartyName>

<cbc:Name>Swedish Hospitals</cbc:Name>

</cac:PartyName>

<cac:PostalAddress>

<cbc:StreetName>Main street 4</cbc:StreetName>

<cbc:AdditionalStreetName>Back door</cbc:AdditionalStreetName>

<cbc:CityName>Eurocity</cbc:CityName>

<cbc:PostalZone>11155</cbc:PostalZone>

<cbc:CountrySubentity>Region A</cbc:CountrySubentity>

<cac:Country>

<cbc:IdentificationCode listID="ISO3166-1:Alpha2">SE</cbc:IdentificationCode>

</cac:Country>

</cac:PostalAddress>

<cac:PartyTaxScheme>

<cbc:CompanyID>SE554127771101</cbc:CompanyID>

<cac:TaxScheme>

<cbc:ID>VAT</cbc:ID>

</cac:TaxScheme>

</cac:PartyTaxScheme>

<cac:PartyLegalEntity>

<cbc:RegistrationName>Swedish Hospitals AB</cbc:RegistrationName>

<cbc:CompanyID>5544332211</cbc:CompanyID>

<cac:RegistrationAddress>

<cbc:CityName>Stockholm</cbc:CityName>

<cac:Country>

<cbc:IdentificationCode listID="ISO3166-1:Alpha2">SE</cbc:IdentificationCode>

</cac:Country>

</cac:RegistrationAddress>

</cac:PartyLegalEntity>

</cac:Party>

</cac:AccountingCustomerParty>

Note that in order to facilitate the invoicee information to be used in the invoice it is recommended to include as much information as possible, ie. PostalAddress, PartyTaxScheme and PartyLegalEntity in addition to PartyName and PartyIdentification.

## Attachments

Non-XML documents can be sent as attachments to the PEPPOL BIS Order. This could be drawings or timesheets or other documents relevant for the order. The attachment can either be sent as a binary object encoded in Base64 embedded in the message or as a URI to an external address as a link.

**It is recommended to send attachments as embedded, binary objects and not as external references.**

|  |  |
| --- | --- |
| **Element** | **Description** |
| Coding | Base64 |
| File name | File name and extension should be sent in the filename attribute to the EmbeddedDocumentBinaryObject element.  **Note that the filename attribute is not included in** [**11.1.2**](#_Details) **regarding the full content of the Order message. This is due to a problem in the tool used for producing the table in 11.1.2.** |
| Document format | Recommended Mine-types:   * PDF – application/pdf * TXT – text/txt * XML – text/xml * GIF – image/gif * TIFF – image/tiff * JPEG, JPG – image/jpeg * PNG – image/png   Use of other mime-types can be agreed |
| Size | Recommended maximum message size is 5MB including attachments. |
| Description | It is recommended to use element cac:AdditionalDocumentReference/cbc:DocumentType to send a short description of the content of the attachment.  NB: Attachments should be used for additional information and not as order copies. |

Example of attachment as an embedded, binary object in an PEPPOL BIS Order message.

    <cac:AdditionalDocumentReference>  
        <cbc:ID>Specification 123</cbc:ID>

        <cbc:DocumentType>Order details</cbc:DocumentType>  
        <cac:Attachment>  
            <cbc:EmbeddedDocumentBinaryObject mimeCode="application/pdf" filename="specification.pdf”>PD94bWwgdm… +PC9PcmRlcj4=

</cbc:EmbeddedDocumentBinaryObject>  
        </cac:Attachment>  
    </cac:AdditionalDocumentReference>

## Product identification

Product identification must be done using the identifiers described below:

* Sellers ID
* Standard ID, e.g. the GS1 Global Trade Item Number (GTIN)

Which identifier to use depends on what is known at the time ordering or what is commonly used in the relevant business sector.

**Each order line MUST have an item identifier and/or an item name (Ref. 9.1.4)**

Example of an PEPPOL BIS Order item using both Sellers ID and Standard ID (GTIN):

<cac:Item

….

        <cac:SellersItemIdentification>  
          <cbc:ID>541706</cbc:ID>  
       </cac:SellersItemIdentification>  
       <cac:StandardItemIdentification>  
          <cbc:ID schemeID="GTIN">05704368124358</cbc:ID>  
        </cac:StandardItemIdentification>

…..  
 </cac:Item>

## Product name and description

The Product name shall be sent in tag Item/Name on line level. Description of a product can be sent in Item/Description.

The Product name is often sent in the order from buyer to seller.

Example in an PEPPOL BIS Order message:

<cac:Item>

<cbc:Name>Wet tissues for children </cbc:Name>  
 ….

 </cac:Item>

## Quantities and units

Various Quantities and Units can be stated in the PEPPOL BIS Order. These are both related to the ordering process and the logistics process.

The table below lists quantities and units in the format. To all quantities there must be a valid Unit according to the Code list.

|  |  |
| --- | --- |
| **Element name / (Tag name)** | **Description** |
| Price Quantity /  (BaseQuantity) | Quantity related to Price. |
| Order Quantity /  (Quantity) | Quantity that is ordered, e.g. number of pieces or volume in litre . |

Example of an order line with a quantity of 120 litre (cbc:Quantity) and price is given per litre.

      <cbc:ID>1</cbc:ID>  
      <cbc:Quantity unitCode="LTR" unitCodeListID=”UNECERec20”>120</cbc:Quantity>  
      <cbc:LineExtensionAmount currencyID="NOK">6000</cbc:LineExtensionAmount>  
      <cbc:PartialDeliveryIndicator>false</cbc:PartialDeliveryIndicator>  
      <cbc:AccountingCostCode>ProjectID123</cbc:AccountingCostCode>   
      <cac:Price>  
        <cbc:PriceAmount currencyID="NOK">50</cbc:PriceAmount>  
      </cac:Price>

## Prices

Prices may be exchanged in the Ordering process both for products with or without item identifiers and free text orders. This also allows for the seller to change the price in the Order response.   
If prices are not sent in the order the normal process is to do price matching during the billing process comparing prices in the Invoice to prices in the Catalogue.

Price sent is related to the articles or services within this order. The following price can be stated:

* Prices should include allowances and/or charges but exclude VAT amounts

Example of price information in an Order message:

      …

<cac:Price>  
       <cbc:PriceAmount currencyID="NOK">50</cbc:PriceAmount>  
      </cac:Price>

## Allowances and charges

### General rules

Elements for allowance and charges are found on two levels:

1. The header level applies to the whole order and is included in the calculation of the order total amount.
2. The line level Price element. Data on this level may be provided to inform the buyer how the price is calculated. The price itself is always the net price, i.e. the Price Amount reduced/increased with allowancecharge/amount.

* Several allowances and charges may be supplied on header-level. For the Price-element only one occurrence of the Allowance and Charge element can be present. The element AllowanceCharge with sub element ChargeIndicator indicates whether the instance is a charge (true) or an allowance (false).
* The sum of all allowances and charges on the header level must be specified in AllowanceTotalAmount and ChargeTotalAmount respectively.
* Allowances and charges related to Price is for information only and not part of any other calculations.
* Allowances and charges related to Price may specify amount (AllowanceCharge/Amount) and base amount

### Allowance and Charges on header level.

This example shows a charge related to packing costs:

<cac:AllowanceCharge>

<cbc:ChargeIndicator>true</cbc:ChargeIndicator>

<cbc:AllowanceChargeReason>Packing cost</cbc:AllowanceChargeReason>

<cbc:Amount currencyID="EUR">100.00</cbc:Amount>

</cac:AllowanceCharge>

This example shows an allowance related to a discount on the order:

<cac:AllowanceCharge>

<cbc:ChargeIndicator>false</cbc:ChargeIndicator>

<cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>

<cbc:Amount currencyID="EUR">100.00</cbc:Amount>

</cac:AllowanceCharge>

### Allowance and Charges related to price

This example shows a discount of EUR 10:

<cac:AllowanceCharge>

<cbc:ChargeIndicator>false</cbc:ChargeIndicator>

<cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>

<cbc:Amount currencyID="EUR">10.00</cbc:Amount>

<cbc:BaseAmount currencyID="EUR">100.00</cbc:BaseAmount>

</cac:AllowanceCharge>

## Calculation of totals (AnticipatedMonetaryTotals)

The following elements show the anticipated monetary totals for an order:

|  |  |
| --- | --- |
| **Element:** | **Description:** |
| <cbc:LineExtensionAmount> | Sum of line amounts |
| <cbc:AllowanceTotalAmount> | Allowances on document level |
| <cbc:ChargeTotalAmount> | Charges on document level |
| <cbc:TaxExclusiveAmount> | Order total amount without VAT |
| <cbc:TaxInclusiveAmount> | Order total amount included VAT |
| <cbc:PrepaidAmount> | Any amounts that have been paid a-priory |
| <cbc:PayableRoundingAmount> | Rounding of Order total |
| <cbc:PayableAmount> | The amount that is expected to be paid |

* Amounts MUST be given to a precision of two decimals except for Price where maximum number of decimals are four.
* Expected total payable amount MUST NOT be negative.
* Expected total sum of line amounts MUST NOT be negative.

**Note that the AnticipatedMonetaryTotals class is optional. If the class is included in the message, the only mandatory elements are the LineExtensionAmount and the PayableAmount elements. All other elements are optional. When optional elements are used, the content MUST be according to the rules below.**

Formulas for the calculations of totals are as follows:

|  |  |
| --- | --- |
| **Element:** | **Formula:** |
| <cbc:LineExtensionAmount> | ∑ LineExtensionAmount (at line level) |
| <cbc:ChargeTotalAmount> | ∑ Charge Amount (where ChargeIndicator = ”true”) |
| <cbc:AllowanceTotalAmount> | ∑ Allowance Amount (where ChargeIndicator = ”false”) |
| <cbc:TaxExclusiveAmount> | LineExtensionAmount  – AllowanceTotalAmount  + ChargeTotalAmount |
| <cbc:TaxInclusiveAmount> | TaxExclusiveAmount  + TaxTotal /TaxAmount  + PayableRoundingAmount |
| <cbc:PayableAmount> | TaxInclusiveAmount – PrepaidAmount |

### Example of calculations:

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Sample amounts** | **Element** |
| Sum of line amounts | + | 1436.50 | LineExtensionAmount |
| Allowance on document level | - | 100.00 | Allowances(Total) |
| Charges on document level | + | 200.00 | Charges(Total) |
| Order total amount without VAT | = | 1536.50 | TaxExclusiveAmount |
| VAT total amount | + | 384.13 | TaxAmount |
| Rounding of Order total | + | 0.37 | PayableRoundingAmount |
| Order total with VAT (value of purchase) | = | 1921.00 | TaxInclusiveAmount |
| Paid amounts | - | 1000.00 | PrepaidAmount |
| Amount expected to be paid | = | 921.00 | Payable amount |

The above example is presented in the order in the following way:

<cac:AnticipatedlMonetaryTotal>

<cbc:LineExtensionAmount currencyID="EUR">1436.50</cbc:LineExtensionAmount>

<cbc:TaxExclusiveAmount currencyID="EUR">1536.50</cbc:TaxExclusiveAmount>

<cbc:TaxInclusiveAmount currencyID="EUR">1921</cbc:TaxInclusiveAmount>

<cbc:AllowanceTotalAmount currencyID="EUR">100</cbc:AllowanceTotalAmount>

<cbc:ChargeTotalAmount currencyID="EUR">200</cbc:ChargeTotalAmount>

<cbc:PrepaidAmount currencyID="EUR">1000</cbc:PrepaidAmount>

<cbc:PayableRoundingAmount currencyID="EUR">0.37</cbc:PayableRoundingAmount>

<cbc:PayableAmount currencyID="EUR">921.00</cbc:PayableAmount>

</cac:AnticipatedMonetaryTotal>

### Element for rounding amount, the PayableRoundingAmount

It is possible to round the expected payable amount. The rule for this is according to the standard rule regarding rounding, ie. greater than or equal to 0.5 is rounded up, all other values are rounded down.

The element AnticipatedMonetaryTotal/PayableRoundingAmount is used for this purpose and is specified on the header level.

This value must be added to the value in AnticipatedMonetaryTotal/TaxInclusiveAmount.

Example: Amount 999.81 rounded to 1000. PayableRounding Amount = 0.19.

## Tax total

If is possible to state the tax total of the order on the header level of the order and also on line level.

Header level:

<cac:TaxTotal>

<cbc:TaxAmount currencyID="EUR">5</cbc:TaxAmount>

</cac:TaxTotal>

Line level:

<cac:LineItem>

<cbc:ID>1</cbc:ID>

<cbc:Quantity unitCode="NAR">50</cbc:Quantity>

<cbc:LineExtensionAmount currencyID="EUR">50</cbc:LineExtensionAmount>

<cbc:TotalTaxAmount currencyID="EUR">5</cbc:TotalTaxAmount>

…

# PEPPOL Identifiers

PEPPOL has defined a “Policy for Using Identifiers” [PEPPOL\_Transp] that specifies how to use identifiers in both its transport infrastructure and within the documents exchanged across that infrastructure. It also introduces principles for any identifiers used in the PEPPOL environment. The policies that apply to this BIS are the following:

## Party Identifiers

The “schemeID” attribute must be populated in all instances of the “ID” element when used within a “PartyIdentification”-container and in all instances of the “EndpointID” element when used within a “Party”-container.

Examples of usage in PartyIdentification:

<cac:PartyIdentification>

<cbc:ID schemeID="GLN">5790000435968</cbc:ID>

</cac:PartyIdentification>

The following examples denote that the Issuing Agency is DK:CVR in the PEPPOL set of Issuing Agency

Codes. This means that the party has the Danish CVR identifier DK87654321.

Examples of usage in PartyIdentification and Endpoint ID:

<cbc:EndpointID schemeID="DK:CVR">DK87654321</cbc:EndpointID>

<cac:PartyIdentification>

<cbc:ID schemeID="DK:CVR">DK87654321</cbc:ID>

</cac:PartyIdentification>

## Version ID

This BIS is using the UBL 2.1 syntax. The namespace of the XML-message does only communicate the major version number. Since it is important for the receiver to also know what minor version of the syntax that is used, the element UBLVersionID must be stated with the value **2.1:**

<cbc:UBLVersionID>2.1</cbc:UBLVersionID>

## Profile ID

The ProfileID identifies the process that the business document is part of. PEPPOL BIS uses the identification system according to BII:

As an example the following process identifier is used for ―BII03 – Order Only:

**ProfileID**: urn:www.cenbii.eu:profile:bii03:ver2.0

## Customization ID

The PEPPOL Customization ID identifies the specification of content and rules that apply to the transaction.

This BIS has required some minor additions and changes to the CEN BII transaction. Following the CENBII methodology any extension must be communicated by adding an extension ID onto the Customization ID. The full syntax is: <transactionId>:(restrictive|extended|partly):<extensionId>[(restrictive|extended|partly):<extensionId>].

Where:

* Transaction ID: urn:www.cenbii.eu:transaction:biitrns001:ver2.0
* Extension ID: urn:www.peppol.eu:bis:peppol03a:ver2.0

**CustomizationID to use:**

urn:www.cenbii.eu:transaction:biitrns001:ver2.0**:extended:**urn:www.peppol.eu:bis:peppol03a:ver2.0

Example of usage:

<cbc:CustomizationID>

urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol03a:ver2.0

</cbc:CustomizationID>

## Namespaces

The target namespace for the UBL2.1 Order is:

**urn:oasis:names:specification:ubl:schema:xsd:Order-2**

# XML Schema Guideline and information content of the Order message

## Structure

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Bus. req.** | | | | | | |
|  | | | | | | | | | | |
|  |  | | **Order** | | | | | | | |
|  | 1 **..** 1 | |  | | **cbc:UBLVersionID** UBL Version | | | | | |
|  | 1 **..** 1 | |  | | **cbc:CustomizationID** Customization identifier tir01-001 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:ProfileID** Profile identifier tir01-002 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:ID** Order identifier tir01-003 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:IssueDate** Order issue date tir01-004 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:IssueTime** Order issue time tir01-005 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:OrderTypeCode** Consignment order indication tir01-153 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:Note** Document level textual note tir01-006 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:DocumentCurrencyCode** Currency tir01-007 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:AccountingCost** Buyers accounting string tir01-008 | | | | | |
|  | **0** **..** **1** | |  | | **cac:ValidityPeriod** | | | | | |
|  | 0 **..** 1 | |  | | | **cbc:EndDate** Order validity end date tir01-009 | | | | |
|  | **0** **..** **1** | |  | | **cac:QuotationDocumentReference** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Quotation document reference tir01-010 | | | | |
|  | **0** **..** **1** | |  | | **cac:OrderDocumentReference** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Order document reference tir01-011 | | | | |
|  | **0** **..** **1** | |  | | **cac:OriginatorDocumentReference** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Originator document reference tir01-012 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:DocumentType** Originator document description tir01-013 | | | | |
|  | **0** **..** **unbounded** | |  | | **cac:AdditionalDocumentReference** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Document identifier tir01-154 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:DocumentType** Document description tir01-016 | | | | |
|  | **0** **..** **1** | |  | | | **cac:Attachment** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EmbeddedDocumentBinaryObject** Attached binary object tir01-017 | | | |
|  | **0** **..** **1** | |  | | | | **cac:ExternalReference** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:URI** External document URI tir01-018 | | |
|  | **0** **..** **1** | |  | | **cac:Contract** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Reference identifier tir01-019 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:ContractType** Reference type tir01-020 | | | | |
|  | **1** **..** **1** | |  | | **cac:BuyerCustomerParty** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:Party** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndpointID** Buyer party endpoint identifier tir01-021 | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Buyer party identification tir01-022 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** | | |
|  | **0** **..** **1** | |  | | | | **cac:PostalAddress** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-032 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-027 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CityName** City tir01-031 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-024 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CountrySubentity** Country subdivision tir01-141 | | |
|  | **0** **..** **1** | |  | | | | | **cac:Country** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:IdentificationCode** Country code tir01-033 | |
|  | **0** **..** **1** | |  | | | | **cac:PartyTaxScheme** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:CompanyID** Buyer VAT identifier tir01-034 | | |
|  | **1** **..** **1** | |  | | | | | **cac:TaxScheme** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Identifier | |
|  | **0** **..** **1** | |  | | | | **cac:PartyLegalEntity** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:RegistrationName** Buyers legal registration name tir01-044 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CompanyID** Buyers legal registration identifier tir01-043 | | |
|  | **0** **..** **1** | |  | | | | | **cac:RegistrationAddress** | | |
|  | 0 **..** 1 | |  | | | | | | **cbc:CityName** Buyers legal registration address city tir01-045 | |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Bus. req.** | | | | | | |
|  | | | | | | | | | | |
|  |  | |  | | | | | | Name | |
|  | **0** **..** **1** | |  | | | | | | **cac:Country** | |
|  | 1 **..** 1 | |  | | | | | | | **cbc:IdentificationCode** Buyers legal registration address tir01-046  country code |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ID** Contact identifier OP-T01-010 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Contact person name tir01-050 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telephone** Contact telephone number tir01-047 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telefax** Contact fax number tir01-048 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ElectronicMail** Contact email address tir01-049 | | |
|  | **1** **..** **1** | |  | | **cac:SellerSupplierParty** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:Party** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndpointID** Seller party endpoint identifier tir01-058 | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Seller party identification tir01-059 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Seller party name tir01-060 | | |
|  | **0** **..** **1** | |  | | | | **cac:PostalAddress** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-063 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-064 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CityName** City tir01-065 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-068 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CountrySubentity** Country subdivision tir01-142 | | |
|  | **0** **..** **1** | |  | | | | | **cac:Country** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:IdentificationCode** Country code tir01-069 | |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Contact person name tir01-074 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telephone** Contact telephone number tir01-077 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telefax** Contact fax number tir01-075 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ElectronicMail** Contact email address tir01-076 | | |
|  | **0** **..** **1** | |  | | **cac:OriginatorCustomerParty** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:Party** | | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Originator identifier tir01-081 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Originator name tir01-082 | | |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Contact person name tir01-086 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telephone** Contact telephone number tir01-083 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telefax** Contact fax number tir01-084 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ElectronicMail** Contact email address tir01-085 | | |
|  | **0** **..** **1** | |  | | **cac:AccountingCustomerParty** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:Party** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndpointID** Endpoint identifier tir01-157 | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Party identification tir01-156 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Party name tir01-155 | | |
|  | **0** **..** **1** | |  | | | | **cac:PostalAddress** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 OP-T01-010 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 OP-T01-010 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CityName** City OP-T01-010 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:PostalZone** Post code OP-T01-010 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CountrySubentity** Country subdivision OP-T01-010 | | |
|  | **0** **..** **1** | |  | | | | | **cac:Country** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:IdentificationCode** Country OP-T01-010 | |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Bus. req.** | | | | | | |
|  | | | | | | | | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyTaxScheme** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:CompanyID** Invoicee VAT identifier OP-T01-010 | | |
|  | **1** **..** **1** | |  | | | | | **cac:TaxScheme** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Identifier OP-T01-010 | |
|  | **0** **..** **1** | |  | | | | **cac:PartyLegalEntity** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:RegistrationName** Legal registration name tir01-159 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CompanyID** Company ID tir01-158 | | |
|  | **0** **..** **1** | |  | | | | | **cac:RegistrationAddress** | | |
|  | 0 **..** 1 | |  | | | | | | **cbc:CityName** City name tir01-160 | |
|  | **0** **..** **1** | |  | | | | | | **cac:Country** | |
|  | 1 **..** 1 | |  | | | | | | | **cbc:IdentificationCode** Country code tir01-161 |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ID** Contact identifier OP-T01-010 | | |
|  | **0** **..** **1** | |  | | **cac:Delivery** | | | | | |
|  | **0** **..** **1** | |  | | | **cac:DeliveryLocation** | | | | |
|  | **0** **..** **1** | |  | | | | **cac:Address** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ID** Delivery location ID tir01-169 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-092 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-093 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CityName** City tir01-096 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-097 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:CountrySubentity** Country subdivision tir01-144 | | |
|  | **0** **..** **1** | |  | | | | | **cac:Country** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:IdentificationCode** Country code tir01-098 | |
|  | **0** **..** **1** | |  | | | **cac:RequestedDeliveryPeriod** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:StartDate** Period start date tir01-099 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndDate** Period end date tir01-100 | | | |
|  | **0** **..** **1** | |  | | | **cac:DeliveryParty** | | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Delivery party ID tir01-101 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Delivery party name tir01-102 | | |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Contact person name tir01-103 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telephone** Contact telephone number tir01-104 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telefax** Contact fax number tir01-105 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ElectronicMail** Contact email address tir01-106 | | |
|  | **0** **..** **1** | |  | | **cac:DeliveryTerms** | | | | | |
|  | 0 **..** 1 | |  | | | **cbc:ID** Delivery terms tir01-107 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:SpecialTerms** Delivery special terms tir01-108 | | | | |
|  | **0** **..** **1** | |  | | | **cac:DeliveryLocation** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:ID** Delivery terms location tir01-109 | | | |
|  | **0** **..** **1** | |  | | **cac:PaymentTerms** | | | | | |
|  | 0 **..** 1 | |  | | | **cbc:Note** Payment terms OP-T01-014 | | | | |
|  | **0** **..** **unbounded** | |  | | **cac:AllowanceCharge** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ChargeIndicator** AllowanceChargeIndicator | | | | |
|  | 1 **..** 1 | |  | | | **cbc:AllowanceChargeReason** Allowance and charges reason tir01-112 | | | | |
|  | 1 **..** 1 | |  | | | **cbc:Amount** Allowance and charge amount tir01-113 | | | | |
|  | **0** **..** **1** | |  | | **cac:TaxTotal** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:TaxAmount** VAT total amount tir01-114 | | | | |
|  | **0** **..** **1** | |  | | **cac:AnticipatedMonetaryTotal** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:LineExtensionAmount** Sum of line amounts tir01-115 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:TaxExclusiveAmount** Document total without VAT tir01-145 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:TaxInclusiveAmount** Document total including VAT tir01-147 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:AllowanceTotalAmount** Sum of allowances on document tir01-116  level | | | | |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Bus. req.** | | | | | | |
|  | | | | | | | | | | |
|  | 0 **..** 1 | |  | | | **cbc:ChargeTotalAmount** Sum of charges on document level tir01-117 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:PrepaidAmount** Paid amounts tir01-148 | | | | |
|  | 0 **..** 1 | |  | | | **cbc:PayableRoundingAmount** Rounding of document total tir01-146 | | | | |
|  | 1 **..** 1 | |  | | | **cbc:PayableAmount** Amount for payment tir01-118 | | | | |
|  | **1** **..** **unbounded** | |  | | **cac:OrderLine** | | | | | |
|  | 0 **..** 1 | |  | | | **cbc:Note** Order line note tir01-123 | | | | |
|  | **1** **..** **1** | |  | | | **cac:LineItem** | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:ID** Document line identifier tir01-120 | | | |
|  | 1 **..** 1 | |  | | | | **cbc:Quantity** Ordered quantity tir01-132 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:LineExtensionAmount** Order line amount tir01-128 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:TotalTaxAmount** Order line tax amount tir01-129 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:PartialDeliveryIndicator** Partial Delivery Allowed Indicator tir01-124 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:AccountingCost** Buyers accounting string tir01-125 | | | |
|  | **0** **..** **1** | |  | | | | **cac:Delivery** | | | |
|  | **0** **..** **1** | |  | | | | | **cac:RequestedDeliveryPeriod** | | |
|  | 0 **..** 1 | |  | | | | | | **cbc:StartDate** Period start date tir01-126 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:EndDate** Period end date tir01-127 | |
|  | **0** **..** **1** | |  | | | | **cac:OriginatorParty** | | | |
|  | **0** **..** **1** | |  | | | | | **cac:PartyIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Order line originator party ID tir01-121 | |
|  | **0** **..** **1** | |  | | | | | **cac:PartyName** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Name** Order line originator party name tir01-122 | |
|  | **0** **..** **1** | |  | | | | **cac:Price** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:PriceAmount** Iitem price tir01-130 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:BaseQuantity** Item price base quantity tir01-131 | | |
|  | **0** **..** **1** | |  | | | | | **cac:AllowanceCharge** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ChargeIndicator** AllowanceChargeIndicator | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Amount** Amount | |
|  | 0 **..** 1 | |  | | | | | | **cbc:BaseAmount** Item list price tir01-152 | |
|  | **1** **..** **1** | |  | | | | **cac:Item** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Description** Item description as text tir01-133 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Item name tir01-134 | | |
|  | **0** **..** **1** | |  | | | | | **cac:SellersItemIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item sellers identifier tir01-135 | |
|  | **0** **..** **1** | |  | | | | | **cac:StandardItemIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item standard identifier tir01-136 | |
|  | **0** **..** **unbounded** | |  | | | | | **cac:ItemSpecificationDocumentReference** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Document reference OP-T01-012 | |
|  | **0** **..** **unbounded** | |  | | | | | **cac:CommodityClassification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ItemClassificationCode** Item commodity classification tir01-149 | |
|  | **0** **..** **1** | |  | | | | | **cac:ClassifiedTaxCategory** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item VAT category code tir01-150 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:Percent** Item VAT rate tir01-170 | |
|  | **1** **..** **1** | |  | | | | | | **cac:TaxScheme** | |
|  | 1 **..** 1 | |  | | | | | | | **cbc:ID** Identifier |
|  | **0** **..** **unbounded** | |  | | | | | **cac:AdditionalItemProperty** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Name** Name tir01-138 | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Value** Value tir01-139 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:ValueQuantity** Quantity OP-T01-013 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:ValueQualifier** Qualification of qty OP-T01-013 | |

## Details

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
| **Order** | | | | | | | | **Type** OrderType |  |
|  | **cbc:UBLVersionID** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:UBLVersionIDType  **Info req.ID** 2  **Example** 2.1 | **Term name** **UBL Version**  **BII Usage** *The version of UBL the message is based on (2.1)* |
|  | **cbc:CustomizationID** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:CustomizationIDType  **Info req.ID** tir01-001  **Bus req.ID** tbr01-001  **Example** urn:www.cenbii.eu:transaction:biitrns001:ver2.0:  extended:urn:www.peppol.eu:bis:peppol03a:ver2.0 | **Term name** **Customization identifier**  **BII Usage** *Identifies the specification of content and rules that apply to the*  *transaction.*    **Rules** BII2-T01-R001 - An order MUST have a customization identifier |
|  | **cbc:ProfileID** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:ProfileIDType  **Info req.ID** tir01-002  **Bus req.ID** tbr01-001  **Example** urn:www.cenbii.eu:profile:bii03:ver2.0 | **Term name** **Profile identifier**  **BII Usage** *Identifies the BII profile or business process context in which the*  *transaction appears.*    **Rules** BII2-T01-R002 - An order MUST have a profile identifier |
|  | **cbc:ID** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-003  **Bus req.ID** tbr01-001 | **Term name** **Order identifier**  **BII Usage** *A transaction instance must have an identifier. The identifier*  *enables referencing the transaction  for various purposes such as*  *from other transactions that are part of the same process.*    **Rules** BII2-T01-R006 - An order MUST have a document identifier |
|  | **cbc:IssueDate** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IssueDateType  **Info req.ID** tir01-004  **Bus req.ID** tbr01-002 | **Term name** **Order issue date**  **BII Usage** *The date on which the transaction instance was issued.*    **Rules** BII2-T01-R004 - An order MUST have a document issue date |
|  | **cbc:IssueTime** | | | | | | | **Occurence** 0 **..** 1  **Type** cbc:IssueTimeType  **Info req.ID** tir01-005  **Bus req.ID** tbr01-002 | **Term name** **Order issue time**  **BII Usage** *The time assigned by the buyer on which the order was issued.* |
|  | **cbc:OrderTypeCode** | | | | | | | **Occurence** 0 **..** 1  **Type** cbc:OrderTypeCodeType  **Info req.ID** tir01-153  **Bus req.ID** tbr01-002 | **Term name** **Consignment order indication**  **BII Usage** *"Indicates wether the order is a purchase order or consignement*  *order. Default is purchase order.*    **Rules** Only to be used for Consignment orders, Code=227.  EUGEN-  T01-R013 An order type code MUST have a list identifier attribute  “UNCL1001”.  OP-T01-001 OrderTypeCode in an order MUST be  from UN/ECE 1001 code list PEPPOL Subset |
|  | | *listID* | | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNCL1001* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | **cbc:Note** | | | | | | | **Occurence** 0 **..** 1  **Type** cbc:NoteType  **Info req.ID** tir01-006  **Bus req.ID** tbr01-003 | **Term name** **Document level textual note**  **BII Usage** *Free form text applying to the Order. This element may contain*  *notes or any other similar information that is not contained*  *explicitly in another structure.* |
|  | **cbc:DocumentCurrencyCode** | | | | | | | **Occurence** 1 **..** 1  **Type** cbc:DocumentCurrencyCodeType  **Info req.ID** tir01-007  **Bus req.ID** tbr01-004 | **Term name** **Currency**  **BII Usage** *The default currency for the order.*    **Rules** OP-T01-002 - DocumentCurrencyCode MUST be coded using  ISO code list 4217 EUGEN-T01-R014 - A document currency  code MUST have a list identifier attribute "ISO4217" |
|  | | *listID* | | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-002 - The document currency code list identifier MUST*  *be “ISO4217”*  *Code List ID:* *ISO4217* |
|  | **cbc:AccountingCost** | | | | | | | **Occurence** 0 **..** 1  **Type** cbc:AccountingCostType  **Info req.ID** tir01-008  **Bus req.ID** tbr01-005 | **Term name** **Buyers accounting string**  **BII Usage** *Used by the buyer to specify a reference that should be repeated*  *in e.g. invoice to enable the buyer to automatically book e.g. to*  *the right project, or account.* |
|  | ***cac:ValidityPeriod*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:PeriodType |  |
|  | | **cbc:EndDate** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:EndDateType  **Info req.ID** tir01-009  **Bus req.ID** tbr01-002 | **Term name** **Order validity end date**  **BII Usage** *The end date for when the order is valid. The end date for the*  *time period within which the seller must respond.*    **Rules** BII2-T01-R005 - An order MUST provide information about its  validity end date |
|  | ***cac:QuotationDocumentReference*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:DocumentReferenceType |  |
|  | | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-010  **Bus req.ID** tbr01-006 | **Term name** **Quotation document reference**  **BII Usage** *A requirement to give a unique reference to the quotation that is*  *the base for the order.* |
|  | ***cac:OrderDocumentReference*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:DocumentReferenceType |  |
|  | | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-011  **Bus req.ID** tbr01-006 | **Term name** **Order document reference**  **BII Usage** *Used to reference the initial order that was rejected and a new*  *order is issued.* |
|  | ***cac:OriginatorDocumentReference*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:DocumentReferenceType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-012  **Bus req.ID** tbr01-006 | **Term name** **Originator document reference**  **BII Usage** *A reference to Originator Document. To be able to give a*  *reference to the internal requesition on the buyer site on which*  *the order is based.* |
|  | | **cbc:DocumentType** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:DocumentTypeType  **Info req.ID** tir01-013  **Bus req.ID** tbr01-006 | **Term name** **Originator document description**  **BII Usage** *Originator document description.* |
|  | ***cac:AdditionalDocumentReference*** | | | | | | | **Occurence** 0 **..** unbounded  **Type** cac:DocumentReferenceType |  |
|  | | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-154  **Bus req.ID** tbr01-006 | **Term name** **Document identifier**  **BII Usage** *An identifier for the referenced document.* |
|  | | **cbc:DocumentType** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:DocumentTypeType  **Info req.ID** tir01-016  **Bus req.ID** tbr01-006 | **Term name** **Document description**  **BII Usage** *A short description of the document type.* |
|  | | ***cac:Attachment*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:AttachmentType |  |
|  | | | **cbc:EmbeddedDocumentBinaryObject** | | | | | **Occurence** 0 **..** 1  **Type** cbc:EmbeddedDocumentBinaryObjectType  **Info req.ID** tir01-017  **Bus req.ID** tbr01-006 | **Term name** **Attached binary object**  **BII Usage** *The attached document embeded as binary object.* |
|  | | | | *mimeCode* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-003 - A Binary Object MIME code attribute MUST be*  *coded using MIME Code Type code list*  *Code List ID:* *MIMEMediaTypes* |
|  | | | ***cac:ExternalReference*** | | | | | **Occurence** 0 **..** 1  **Type** cac:ExternalReferenceType |  |
|  | | | | **cbc:URI** | | | | **Occurence** 1 **..** 1  **Type** cbc:URIType  **Info req.ID** tir01-018  **Bus req.ID** tbr01-006 | **Term name** **External document URI**  **BII Usage** *The Uniform Resource Identifier (URI) that identifies where the*  *external document is located.* |
|  | ***cac:Contract*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:ContractType |  |
|  | | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-019  **Bus req.ID** tbr01-006 | **Term name** **Reference identifier**  **BII Usage** *Positive identification of the reference such as a unique identifier.* |
|  | | **cbc:ContractType** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:ContractTypeType  **Info req.ID** tir01-020  **Bus req.ID** tbr01-006 | **Term name** **Reference type**  **BII Usage** *The short description of what is reference such as contract type,*  *document type , meter etc.*  *The type of Contract, expressed as text.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | ***cac:BuyerCustomerParty*** | | | | | | | **Occurence** 1 **..** 1  **Type** cac:CustomerPartyType |  |
|  | | ***cac:Party*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | | **Occurence** 0 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-021  **Bus req.ID** tbr01-010 | **Term name** **Buyer party endpoint identifier**  **BII Usage** *Identifies the end point of the routing service.*    **Rules** EUGEN-T01-R011 - An endpoint identifier MUST have a scheme  identifier attribute |
|  | | | | *schemeID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-004 - An Enpoint Identifier Scheme MUST be from the*  *code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyIdentification*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-022  **Bus req.ID** tbr01-009 | **Term name** **Buyer party identification**  **BII Usage** *An identification for the buyer party.*    **Rules** BII2-T01-R021 - An order MUST have the buyer party name or a  buyer party identifier EUGEN-T01-R012 - A party identifier MUST  have a scheme identifier attribute |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType |  |
|  | | | ***cac:PostalAddress*** | | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:StreetNameType  **Info req.ID** tir01-032  **Bus req.ID** tbr01-009 | **Term name** **Address line 1**  **BII Usage** *The main address line in a postal address usually the street name*  *and number.* |
|  | | | | **cbc:AdditionalStreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:AdditionalStreetNameType  **Info req.ID** tir01-027  **Bus req.ID** tbr01-009 | **Term name** **Address line 2**  **BII Usage** *An additional address line in a postal address that can be used to*  *give further details supplementing the main line. Common use are*  *secondary house number in a complex or in a building.* |
|  | | | | **cbc:CityName** | | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** tir01-031  **Bus req.ID** tbr01-009 | **Term name** **City**  **BII Usage** *The common name of the city where the postal address is. The*  *name is written in full rather than as a code.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:PostalZone** | | | | **Occurence** 0 **..** 1  **Type** cbc:PostalZoneType  **Info req.ID** tir01-024  **Bus req.ID** tbr01-009 | **Term name** **Post code**  **BII Usage** *The identifier for an addressable group of properties according to*  *the relevant national postal service, such as a ZIP code or Post*  *Code.* |
|  | | | | **cbc:CountrySubentity** | | | | **Occurence** 0 **..** 1  **Type** cbc:CountrySubentityType  **Info req.ID** tir01-141  **Bus req.ID** tbr01-009 | **Term name** **Country subdivision**  **BII Usage** *For specifying a region, county, state, province etc. within a*  *country by using text.* |
|  | | | | ***cac:Country*** | | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
|  | | | | | **cbc:IdentificationCode** | | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** tir01-033  **Bus req.ID** tbr01-009 | **Term name** **Country code**  **BII Usage** *The country where the address is. The country should always be*  *given by using ISO code 3166 alpha 2*    **Rules** OP-T01-006 - Country codes in an order MUST be coded using  ISO code list 3166-1 EUGEN-T01-R015 - A country identification  code MUST have a code list identifier attribute "ISO3166-1:  Alpha2" |
|  | | | | | | *listID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | | ***cac:PartyTaxScheme*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyTaxSchemeType |  |
|  | | | | **cbc:CompanyID** | | | | **Occurence** 1 **..** 1  **Type** cbc:CompanyIDType  **Info req.ID** tir01-034  **Bus req.ID** tbr01-011 | **Term name** **Buyer VAT identifier**  **BII Usage** *The buyers registered  Value Added Tax identifier. To be stated in*  *case reverse charge is to apply to the purchase.* |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *optional* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | | ***cac:TaxScheme*** | | | | **Occurence** 1 **..** 1  **Type** cac:TaxSchemeType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** 3  **Example** VAT | **Term name** **Identifier**  **BII Usage** *Code for TaxScheme.  VAT is the only allowed value* |
|  | | | ***cac:PartyLegalEntity*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyLegalEntityType |  |
|  | | | | **cbc:RegistrationName** | | | | **Occurence** 0 **..** 1  **Type** cbc:RegistrationNameType  **Info req.ID** tir01-044  **Bus req.ID** tbr01-012 | **Term name** **Buyers legal registration name**  **BII Usage** *The official name of the party as registered with the relevant fiscal*  *authority.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:CompanyID** | | | | **Occurence** 0 **..** 1  **Type** cbc:CompanyIDType  **Info req.ID** tir01-043  **Bus req.ID** tbr01-012  **Example** 931186755 | **Term name** **Buyers legal registration identifier**  **BII Usage** *Identifies a company as registered with the company registration*  *scheme.* |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *optional* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | | ***cac:RegistrationAddress*** | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | | **cbc:CityName** | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** tir01-045  **Bus req.ID** tbr01-012 | **Term name** **Buyers legal registration address city name**  **BII Usage** *Associates with the registered address of the party within a*  *Corporate Registration Scheme. The name of a city, town, or*  *village.* |
|  | | | | | ***cac:Country*** | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
|  | | | | | | **cbc:IdentificationCode** | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** tir01-046  **Bus req.ID** tbr01-012 | **Term name** **Buyers legal registration address country code**  **BII Usage** *Buyers legal registration address country ID*    **Rules** OP-T01-006 - Country codes in an order MUST be coded using  ISO code list 3166-1 |
|  | | | | | | | *listID* | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | | ***cac:Contact*** | | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** OP-T01-010 | **Term name** **Contact identifier**  **BII Usage** *Reference to buyer contact, "Your ref."* |
|  | | | | **cbc:Name** | | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-050  **Bus req.ID** tbr01-014 | **Term name** **Contact person name**  **BII Usage** *The name of the contact person.* |
|  | | | | **cbc:Telephone** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelephoneType  **Info req.ID** tir01-047  **Bus req.ID** tbr01-013 | **Term name** **Contact telephone number**  **BII Usage** *A phone number for the contact person. If the person has a direct*  *number, this is that number.* |
|  | | | | **cbc:Telefax** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelefaxType  **Info req.ID** tir01-048  **Bus req.ID** tbr01-013 | **Term name** **Contact fax number**  **BII Usage** *A fax number for the contact persons.* |
|  | | | | **cbc:ElectronicMail** | | | | **Occurence** 0 **..** 1  **Type** cbc:ElectronicMailType  **Info req.ID** tir01-049  **Bus req.ID** tbr01-013 | **Term name** **Contact email address**  **BII Usage** *The e-mail address for the contact person. If the person has a*  *direct e-mail this is that email.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | ***cac:SellerSupplierParty*** | | | | | | | **Occurence** 1 **..** 1  **Type** cac:SupplierPartyType |  |
|  | | ***cac:Party*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | | **Occurence** 0 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-058  **Bus req.ID** tbr01-010 | **Term name** **Seller party endpoint identifier**  **BII Usage** *Identifies the end point of the routing service.*    **Rules** EUGEN-T01-R011 - An endpoint identifier MUST have a scheme  identifier attribute |
|  | | | | *schemeID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-004 - An Enpoint Identifier Scheme MUST be from the*  *code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyIdentification*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-059  **Bus req.ID** tbr01-009 | **Term name** **Seller party identification**  **BII Usage** *Identifies a party.*    **Rules** BII2-T01-R022 - An order MUST have the seller party name or a  seller party identifier  EUGEN-T01-R012 - A party identifier MUST  have a scheme identifier attribute |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-060  **Bus req.ID** tbr01-017 | **Term name** **Seller party name**  **BII Usage** *The name of the party.*    **Rules** BII2-T01-R022 - An order MUST have the seller party name or a  seller party identifier |
|  | | | ***cac:PostalAddress*** | | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:StreetNameType  **Info req.ID** tir01-063  **Bus req.ID** tbr01-017 | **Term name** **Address line 1**  **BII Usage** *The main address line in a postal address usually the street name*  *and number.* |
|  | | | | **cbc:AdditionalStreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:AdditionalStreetNameType  **Info req.ID** tir01-064  **Bus req.ID** tbr01-017 | **Term name** **Address line 2**  **BII Usage** *An additional address line in a postal address that can be used to*  *give further details supplementing the main line. Common use are*  *secondary house number in a complex or in a building.* |
|  | | | | **cbc:CityName** | | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** tir01-065  **Bus req.ID** tbr01-017 | **Term name** **City**  **BII Usage** *The common name of the city where the postal address is. The*  *name is written in full rather than as a code.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:PostalZone** | | | | **Occurence** 0 **..** 1  **Type** cbc:PostalZoneType  **Info req.ID** tir01-068  **Bus req.ID** tbr01-017 | **Term name** **Post code**  **BII Usage** *The identifier for an addressable group of properties according to*  *the relevant national postal service, such as a ZIP code or Post*  *Code.* |
|  | | | | **cbc:CountrySubentity** | | | | **Occurence** 0 **..** 1  **Type** cbc:CountrySubentityType  **Info req.ID** tir01-142  **Bus req.ID** tbr01-017 | **Term name** **Country subdivision**  **BII Usage** *For specifying a region, county, state, province etc. within a*  *country by using text.* |
|  | | | | ***cac:Country*** | | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
|  | | | | | **cbc:IdentificationCode** | | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** tir01-069  **Bus req.ID** tbr01-017 | **Term name** **Country code**  **BII Usage** *The country where the address is. The country should always be*  *given by using ISO code 3166 alpha 2*    **Rules** OP-T01-006 - Country codes in an order MUST be coded using  ISO code list 3166-1  EUGEN-T01-R015 - A country identification  code MUST have a code list identifier attribute "ISO3166-1:  Alpha2" |
|  | | | | | | *listID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | | ***cac:Contact*** | | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-074  **Bus req.ID** tbr01-014 | **Term name** **Contact person name**  **BII Usage** *The name of the contact person.* |
|  | | | | **cbc:Telephone** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelephoneType  **Info req.ID** tir01-077  **Bus req.ID** tbr01-014 | **Term name** **Contact telephone number**  **BII Usage** *A phone number for the contact person. If the person has a direct*  *number, this is that number.* |
|  | | | | **cbc:Telefax** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelefaxType  **Info req.ID** tir01-075  **Bus req.ID** tbr01-014 | **Term name** **Contact fax number**  **BII Usage** *A fax number for the contact persons.* |
|  | | | | **cbc:ElectronicMail** | | | | **Occurence** 0 **..** 1  **Type** cbc:ElectronicMailType  **Info req.ID** tir01-076  **Bus req.ID** tbr01-014 | **Term name** **Contact email address**  **BII Usage** *The e-mail address for the contact person. If the person has a*  *direct e-mail this is that email.* |
|  | ***cac:OriginatorCustomerParty*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:CustomerPartyType |  |
|  | | ***cac:Party*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:PartyType |  |
|  | | | ***cac:PartyIdentification*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyIdentificationType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-081  **Bus req.ID** tbr01-0 | **Term name** **Originator identifier**  **BII Usage** *Identifies a party.*    **Rules** EUGEN-T01-R012 - A party identifier MUST have a scheme  identifier attribute |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-082  **Bus req.ID** tbr01-0 | **Term name** **Originator name**  **BII Usage** *The name of the party.* |
|  | | | ***cac:Contact*** | | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-086  **Bus req.ID** tbr01-020 | **Term name** **Contact person name**  **BII Usage** *The name of the contact person.* |
|  | | | | **cbc:Telephone** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelephoneType  **Info req.ID** tir01-083  **Bus req.ID** tbr01-020 | **Term name** **Contact telephone number**  **BII Usage** *A phone number for the contact person. If the person has a direct*  *number, this is that number.* |
|  | | | | **cbc:Telefax** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelefaxType  **Info req.ID** tir01-084  **Bus req.ID** tbr01-020 | **Term name** **Contact fax number**  **BII Usage** *A fax number for the contact persons.* |
|  | | | | **cbc:ElectronicMail** | | | | **Occurence** 0 **..** 1  **Type** cbc:ElectronicMailType  **Info req.ID** tir01-085  **Bus req.ID** tbr01-020 | **Term name** **Contact email address**  **BII Usage** *The e-mail address for the contact person. If the person has a*  *direct e-mail this is that email.* |
|  | ***cac:AccountingCustomerParty*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:CustomerPartyType |  |
|  | | ***cac:Party*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | | **Occurence** 0 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-157 | **Term name** **Endpoint identifier**  **BII Usage** *Identifies the end point of the routing service.*    **Rules** EUGEN-T01-R011 - An endpoint identifier MUST have a scheme  identifier attribute |
|  | | | | *schemeID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-004 - An Endpoint Identifier Scheme MUST be from the*  *list of PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyIdentification*** | | | | | **Occurence** 0 **..** 1 |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | |  | | | | | **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-156 | **Term name** **Party identification**  **BII Usage** *An identification for the invoicee party.*    **Rules** EUGEN-T01-R012 - A party identifier MUST have a scheme  identifier attribute |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-155 | **Term name** **Party name**  **BII Usage** *The name of the party who should be invoiced for the ordered*  *items.* |
|  | | | ***cac:PostalAddress*** | | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:StreetNameType  **Info req.ID** OP-T01-010  **Example** The main address line in the postal address, usually the  street name and number | **Term name** **Address line 1**  **BII Usage** *The main address line in a postal address usually the street name*  *and number.* |
|  | | | | **cbc:AdditionalStreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:AdditionalStreetNameType  **Info req.ID** OP-T01-010 | **Term name** **Address line 2**  **BII Usage** *An additional address line in a postal address that can be used to*  *give further details supplementing the main line. Common use are*  *secondary house number in a complex or in a building.* |
|  | | | | **cbc:CityName** | | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** OP-T01-010 | **Term name** **City**  **BII Usage** *The common name of the city where the postal address is. The*  *name is written in full rather than as a code.* |
|  | | | | **cbc:PostalZone** | | | | **Occurence** 0 **..** 1  **Type** cbc:PostalZoneType  **Info req.ID** OP-T01-010 | **Term name** **Post code**  **BII Usage** *The identifier for an addressable group of properties according to*  *the relevant national postal service, such as a ZIP code or Post*  *Code.* |
|  | | | | **cbc:CountrySubentity** | | | | **Occurence** 0 **..** 1  **Type** cbc:CountrySubentityType  **Info req.ID** OP-T01-010 | **Term name** **Country subdivision**  **BII Usage** *For specifying a region, county, state, province etc. within a*  *country by using text.* |
|  | | | | ***cac:Country*** | | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | | **cbc:IdentificationCode** | | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** OP-T01-010 | **Term name** **Country**  **BII Usage** *The country where the address is. The country should always be*  *given by using ISO code 3166 alpha 2*    **Rules** OP-T01-006 - Country codes in an order MUST be coded using  ISO code list 3166-1  EUGEN-T01-R015 - A country identification code MUST have a  code list identifier attribute "ISO3166-1:Alpha2" |
|  | | | | | | *listID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | | ***cac:PartyTaxScheme*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyTaxSchemeType |  |
|  | | | | **cbc:CompanyID** | | | | **Occurence** 1 **..** 1  **Type** cbc:CompanyIDType  **Info req.ID** OP-T01-010 | **Term name** **Invoicee VAT identifier**  **BII Usage** *The invoicees registered  Value Added Tax identifier* |
|  | | | | ***cac:TaxScheme*** | | | | **Occurence** 1 **..** 1  **Type** cac:TaxSchemeType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** OP-T01-010  **Example** VAT | **Term name** **Identifier**  **BII Usage** *Code for TaxScheme.  VAT is the only allowed value* |
|  | | | ***cac:PartyLegalEntity*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyLegalEntityType |  |
|  | | | | **cbc:RegistrationName** | | | | **Occurence** 0 **..** 1  **Type** cbc:RegistrationNameType  **Info req.ID** tir01-159 | **Term name** **Legal registration name**  **BII Usage** *The official name of the party as registered with the relevant fiscal*  *authority.* |
|  | | | | **cbc:CompanyID** | | | | **Occurence** 0 **..** 1  **Type** cbc:CompanyIDType  **Info req.ID** tir01-158 | **Term name** **Company ID**  **BII Usage** *Identifies a company as registered with the company registration*  *scheme.* |
|  | | | | ***cac:RegistrationAddress*** | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | | **cbc:CityName** | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** tir01-160 | **Term name** **City name**  **BII Usage** *Associates with the registered address of the party within a*  *Corporate Registration Scheme. The name of a city, town, or*  *village.* |
|  | | | | | ***cac:Country*** | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | | | **cbc:IdentificationCode** | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** tir01-161 | **Term name** **Country code**  **BII Usage** *Invoicee legal registration address country ID*    **Rules** OP-T01-006 - Country codes in an order MUST be coded using  ISO code list 3166-1  EUGEN-T01-R015 - A country identification code MUST have a  code list identifier attribute "ISO3166-1:Alpha2" |
|  | | | | | | | *listID* | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | | ***cac:Contact*** | | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** OP-T01-010 | **Term name** **Contact identifier**  **BII Usage** *Reference to invoicee contact* |
|  | ***cac:Delivery*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:DeliveryType |  |
|  | | ***cac:DeliveryLocation*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:LocationType |  |
|  | | | ***cac:Address*** | | | | | **Occurence** 0 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-169  **Bus req.ID** tbr01-021 | **Term name** **Delivery location ID**  **BII Usage** *An identifer for the location to where the ordered items should be*  *delivered.* |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:StreetNameType  **Info req.ID** tir01-092  **Bus req.ID** tbr01-021 | **Term name** **Address line 1**  **BII Usage** *The main address line in a postal address usually the street name*  *and number.* |
|  | | | | **cbc:AdditionalStreetName** | | | | **Occurence** 0 **..** 1  **Type** cbc:AdditionalStreetNameType  **Info req.ID** tir01-093  **Bus req.ID** tbr01-021 | **Term name** **Address line 2**  **BII Usage** *An additional address line in a postal address that can be used to*  *give further details supplementing the main line. Common use are*  *secondary house number in a complex or in a building.* |
|  | | | | **cbc:CityName** | | | | **Occurence** 0 **..** 1  **Type** cbc:CityNameType  **Info req.ID** tir01-096  **Bus req.ID** tbr01-021 | **Term name** **City**  **BII Usage** *The common name of the city where the postal address is. The*  *name is written in full rather than as a code.* |
|  | | | | **cbc:PostalZone** | | | | **Occurence** 0 **..** 1  **Type** cbc:PostalZoneType  **Info req.ID** tir01-097  **Bus req.ID** tbr01-021 | **Term name** **Post code**  **BII Usage** *The identifier for an addressable group of properties according to*  *the relevant national postal service, such as a ZIP code or Post*  *Code.* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:CountrySubentity** | | | | **Occurence** 0 **..** 1  **Type** cbc:CountrySubentityType  **Info req.ID** tir01-144  **Bus req.ID** tbr01-021 | **Term name** **Country subdivision**  **BII Usage** *For specifying a region, county, state, province etc. within a*  *country by using text.* |
|  | | | | ***cac:Country*** | | | | **Occurence** 0 **..** 1  **Type** cac:CountryType |  |
|  | | | | | **cbc:IdentificationCode** | | | **Occurence** 1 **..** 1  **Type** cbc:IdentificationCodeType  **Info req.ID** tir01-098  **Bus req.ID** tbr01-021 | **Term name** **Country code**  **BII Usage** *The country where the address is. The country should always be*  *given by using ISO code 3166 alpha 2*    **Rules** OP-T01-006 - Country codes in an invoice MUST be coded using  ISO code list 3166-1 EUGEN-T01-R015 - A country identification  code MUST have a code list identifier attribute "ISO3166-1:  Alpha2" |
|  | | | | | | *listID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO3166-1:Alpha2* |
|  | | ***cac:RequestedDeliveryPeriod*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:PeriodType |  |
|  | | | **cbc:StartDate** | | | | | **Occurence** 0 **..** 1  **Type** cbc:StartDateType  **Info req.ID** tir01-099  **Bus req.ID** tbr01-023 | **Term name** **Period start date**  **BII Usage** *The date on which the period starts. The start dates counts as*  *part of the period.* |
|  | | | **cbc:EndDate** | | | | | **Occurence** 0 **..** 1  **Type** cbc:EndDateType  **Info req.ID** tir01-100  **Bus req.ID** tbr01-023 | **Term name** **Period end date**  **BII Usage** *The date on which the period ends. The end date counts as part*  *of the period.* |
|  | | ***cac:DeliveryParty*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyType |  |
|  | | | ***cac:PartyIdentification*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-101  **Bus req.ID** tbr01-021 | **Term name** **Delivery party ID**  **BII Usage** *An identifier for the party that should deliver the ordered items.*  *In this BIS: The identifier of the party that should receive the*  *ordered items* |
|  | | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - An Party Identifier Scheme MUST be from the list*  *of PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-102  **Bus req.ID** tbr01-021 | **Term name** **Delivery party name**  **BII Usage** *The name of the party that should handle the delivery.*  *In this BIS: The name of the party that should receive the delivery* |
|  | | | ***cac:Contact*** | | | | | **Occurence** 0 **..** 1 |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | |  | | | | | **Type** cac:ContactType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-103  **Bus req.ID** tbr01-021 | **Term name** **Contact person name**  **BII Usage** *The name of the contact person.* |
|  | | | | **cbc:Telephone** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelephoneType  **Info req.ID** tir01-104  **Bus req.ID** tbr01-021 | **Term name** **Contact telephone number**  **BII Usage** *A phone number for the contact person. If the person has a direct*  *number, this is that number.* |
|  | | | | **cbc:Telefax** | | | | **Occurence** 0 **..** 1  **Type** cbc:TelefaxType  **Info req.ID** tir01-105  **Bus req.ID** tbr01-021 | **Term name** **Contact fax number**  **BII Usage** *A fax number for the contact persons.* |
|  | | | | **cbc:ElectronicMail** | | | | **Occurence** 0 **..** 1  **Type** cbc:ElectronicMailType  **Info req.ID** tir01-106  **Bus req.ID** tbr01-021 | **Term name** **Contact email address**  **BII Usage** *The e-mail address for the contact person. If the person has a*  *direct e-mail this is that email.* |
|  | ***cac:DeliveryTerms*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:DeliveryTermsType |  |
|  | | **cbc:ID** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-107  **Bus req.ID** tbr01-038 | **Term name** **Delivery terms**  **BII Usage** *The ability for the buyer to specify what shipping terms should*  *apply the delivery of the order.* |
|  | | | *schemeID* | | | | | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | **cbc:SpecialTerms** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:SpecialTermsType  **Info req.ID** tir01-108  **Bus req.ID** tbr01-038 | **Term name** **Delivery special terms**  **BII Usage** *A description of special conditions relating to the Delivery Terms.* |
|  | | ***cac:DeliveryLocation*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:LocationType |  |
|  | | | **cbc:ID** | | | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-109  **Bus req.ID** tbr01-038 | **Term name** **Delivery terms location**  **BII Usage** *An association to Location, e.g., a port. The unique identifier for*  *the location.* |
|  | ***cac:PaymentTerms*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:PaymentTermsType |  |
|  | | **cbc:Note** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:NoteType  **Info req.ID** OP-T01-014 | **Term name** **Payment terms**  **BII Usage** *Payment terms for the order described in text* |
|  | ***cac:AllowanceCharge*** | | | | | | | **Occurence** 0 **..** unbounded  **Type** cac:AllowanceChargeType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | **cbc:ChargeIndicator** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:ChargeIndicatorType  **Info req.ID** 4  **Example** False | **Term name** **AllowanceChargeIndicator**  **BII Usage** *True = Charge, False = Allowance* |
|  | | **cbc:AllowanceChargeReason** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:AllowanceChargeReasonType  **Info req.ID** tir01-112  **Bus req.ID** tbr01-030 | **Term name** **Allowance and charges reason**  **BII Usage** *A textual reason for the allowance or the charge. Can also be its*  *name.*    **Rules** BII2-T01-R007 - Allowances and charges MUST have a reason |
|  | | **cbc:Amount** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:AmountType  **Info req.ID** tir01-113  **Bus req.ID** tbr01-030 | **Term name** **Allowance and charge amount**  **BII Usage** *The net amount of the allowance or the charge exluding VAT.* |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | ***cac:TaxTotal*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:TaxTotalType |  |
|  | | **cbc:TaxAmount** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:TaxAmountType  **Info req.ID** tir01-114  **Bus req.ID** tbr01-024 | **Term name** **VAT total amount**  **BII Usage** *The total VAT amount that is "added to the document total w/o*  *VAT". This is the sum of all VAT subcategory amounts.*  *An association to the total tax amount of the Order (as calculated*  *by the Buyer). The expected Tax Total in the corresponding*  *invoice.. The total tax amount for particular tax scheme e.g. VAT;*  *the sum of each of the tax subtotals for each tax category within*  *the tax scheme. Sum of line tax amounts. An association to the*  *total tax amount of the Order (as calculated by the Buyer). The*  *expected Tax Total in the corresponding invoice.*    **Rules** BII2-T01-R018 - VAT total amount SHOULD be the sum of order  line tax amounts, if order line tax amounts are provided |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | ***cac:AnticipatedMonetaryTotal*** | | | | | | | **Occurence** 0 **..** 1  **Type** cac:MonetaryTotalType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | **cbc:LineExtensionAmount** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:LineExtensionAmountType  **Info req.ID** tir01-115  **Bus req.ID** tbr01-024 | **Term name** **Sum of line amounts**  **BII Usage** *Sum of line amounts in the document.*  *The total of Line Extension Amounts net of tax and settlement*  *discounts, but inclusive of any applicable rounding amount.*    **Rules** BII2-T01-R013 - Expected total sum of line amounts MUST NOT  be negative, if expected total sum of line amounts is provided.  BII2-T01-R014 - Expected total sum of line amounts MUST equal  the sum of the order line amounts at order line level, if expected  total sum of line amounts is provided |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:TaxExclusiveAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:TaxExclusiveAmountType  **Info req.ID** tir01-145  **Bus req.ID** tbr01-004 | **Term name** **Document total without VAT**  **BII Usage** *The "Sum of line amounts" plus "sum of allowances on document*  *level" plus "sum of charges on document level".* |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:TaxInclusiveAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:TaxInclusiveAmountType  **Info req.ID** tir01-147  **Bus req.ID** tbr01-004 | **Term name** **Document total including VAT**  **BII Usage** *The total value including VAT* |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:AllowanceTotalAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:AllowanceTotalAmountType  **Info req.ID** tir01-116  **Bus req.ID** tbr01-024 | **Term name** **Sum of allowances on document level**  **BII Usage** *Sum of all allowances on header level in the document.*  *Allowances on line level are included in the line amount and*  *summed up into the "sum of line amounts"*    **Rules** BII2-T01-R015 - Expected total sum of allowance at document  level MUST be equal to the sum of allowance amounts at  document level, if expected total sum of allowance at document  level is provided |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | **cbc:ChargeTotalAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:ChargeTotalAmountType  **Info req.ID** tir01-117  **Bus req.ID** tbr01-024 | **Term name** **Sum of charges on document level**  **BII Usage** *Sum of all charge on header level in the document. Charges on*  *line level are included in the line amount and summed up into the*  *"sum of line amounts"*    **Rules** BII2-T01-R016 - Expected total sum of charges at document level  MUST be equal to the sum of charges at document level, if  expected total sum of charges at document level is provided |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:PrepaidAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:PrepaidAmountType  **Info req.ID** tir01-148  **Bus req.ID** tbr01-035 | **Term name** **Paid amounts**  **BII Usage** *Any amounts that have been paid a-priory.* |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:PayableRoundingAmount** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:PayableRoundingAmountType  **Info req.ID** tir01-146  **Bus req.ID** tbr01-004 | **Term name** **Rounding of document total**  **BII Usage** *Any rounding of the "Document total including VAT"* |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | **cbc:PayableAmount** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:PayableAmountType  **Info req.ID** tir01-118  **Bus req.ID** tbr01-024 | **Term name** **Amount for payment**  **BII Usage** *The amount that is expected to be paid based on the document.*  *This amount is the "Document total including VAT" less the "paid*  *amounts" that have been paid a-priori.*  *The total amount to be paid. Estimated total amount of order*  *including VAT*    **Rules** BII2-T01-R017 - Expected total amount for payment MUST be  equal to the sum of line amounts minus sum of allowances at  document level plus sum of charges at document level and VAT  total amount, if expected total amount for payment is provided,  BII2-T01-R012 - Expected total amount for payment MUST NOT  be negative, if expected total amount for payment is provided |
|  | | | *currencyID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | ***cac:OrderLine*** | | | | | | | **Occurence** 1 **..** unbounded  **Type** cac:OrderLineType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | **cbc:Note** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:NoteType  **Info req.ID** tir01-123  **Bus req.ID** tbr01-003 | **Term name** **Order line note**  **BII Usage** *Free-form text applying to the Order Line. This element may*  *contain notes or any other similar information that is not contained*  *explicitly in another structure. Is to capture any free form*  *description related to the order line as a whole.* |
|  | | ***cac:LineItem*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:LineItemType |  |
|  | | | **cbc:ID** | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-120  **Bus req.ID** tbr01-025 | **Term name** **Document line identifier**  **BII Usage** *Identifies the Line Item assigned by the buyer.*    **Rules** BII2-T01-R003 - Each order line MUST have a document line  identifier that is unique within the order |
|  | | | **cbc:Quantity** | | | | | **Occurence** 1 **..** 1  **Type** cbc:QuantityType  **Info req.ID** tir01-132  **Bus req.ID** tbr01-028 | **Term name** **Ordered quantity**  **BII Usage** *The quantity of Items for the Line Item. The quantity for the order*  *line.*    **Rules** BII2-T01-R010 - Each order line ordered quantity MUST not be  negative,  BII2-T01-R029 - Each order line SHOULD have an  ordered quantity, BII2-T01-R030 - Each order line ordered  quantity MUST have an assosiated unit of measure. |
|  | | | | *unitCode* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-009 - Unit code MUST be coded according to the UN/*  *ECE Recommendation 20 (2009)  EUGEN-T01-R016 - A unit*  *code attribute MUST have a unit code list identifier attribute*  *"UNECREC20"* |
|  | | | | *unitCodeListID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
|  | | | **cbc:LineExtensionAmount** | | | | | **Occurence** 0 **..** 1  **Type** cbc:LineExtensionAmountType  **Info req.ID** tir01-128  **Bus req.ID** tbr01-024 | **Term name** **Order line amount**  **BII Usage** *The total amount for the Line Item, including Allowance Charges*  *but net of taxes. The expected line amount excluding VAT but*  *inclusive of other charges, allowances and taxes.* |
|  | | | | *currencyID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | | **cbc:TotalTaxAmount** | | | | | **Occurence** 0 **..** 1  **Type** cbc:TotalTaxAmountType  **Info req.ID** tir01-129  **Bus req.ID** tbr01-024 | **Term name** **Order line tax amount**  **BII Usage** *The total tax amount for the Line Item. The total amounts of taxes*  *on the line.* |
|  | | | | *currencyID* | | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | **cbc:PartialDeliveryIndicator** | | | | | **Occurence** 0 **..** 1  **Type** cbc:PartialDeliveryIndicatorType  **Info req.ID** tir01-124  **Bus req.ID** tbr01-033  **Default** True | **Term name** **Partial Delivery Allowed Indicator**  **BII Usage** *Indicates if the line items must be delivered in a single shipment.*  *Default that partial delivery is allowed.* |
|  | | | **cbc:AccountingCost** | | | | | **Occurence** 0 **..** 1  **Type** cbc:AccountingCostType  **Info req.ID** tir01-125  **Bus req.ID** tbr01-0 | **Term name** **Buyers accounting string**  **BII Usage** *The buyer's accounting information applied to the Line Item,*  *expressed as text.* |
|  | | | ***cac:Delivery*** | | | | | **Occurence** 0 **..** 1  **Type** cac:DeliveryType |  |
|  | | | | ***cac:RequestedDeliveryPeriod*** | | | | **Occurence** 0 **..** 1  **Type** cac:PeriodType |  |
|  | | | | | **cbc:StartDate** | | | **Occurence** 0 **..** 1  **Type** cbc:StartDateType  **Info req.ID** tir01-126  **Bus req.ID** tbr01-022 | **Term name** **Period start date**  **BII Usage** *The date on which the period starts. The start dates counts as*  *part of the period.* |
|  | | | | | **cbc:EndDate** | | | **Occurence** 0 **..** 1  **Type** cbc:EndDateType  **Info req.ID** tir01-127  **Bus req.ID** tbr01-022 | **Term name** **Period end date**  **BII Usage** *The date on which the period ends. The end date counts as part*  *of the period.* |
|  | | | ***cac:OriginatorParty*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyType |  |
|  | | | | ***cac:PartyIdentification*** | | | | **Occurence** 0 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-121  **Bus req.ID** tbr01-020 | **Term name** **Order line originator party ID**  **BII Usage** *The party who originated Order.* |
|  | | | | | | *schemeID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-005 - A Party Identifier Scheme MUST be from the list of*  *PEPPOL Party Identifiers.*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | | ***cac:PartyName*** | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | | **cbc:Name** | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-122  **Bus req.ID** tbr01-020 | **Term name** **Order line originator party name**  **BII Usage** *The party who originated Order.* |
|  | | | ***cac:Price*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PriceType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | **cbc:PriceAmount** | | | | **Occurence** 1 **..** 1  **Type** cbc:PriceAmountType  **Info req.ID** tir01-130  **Bus req.ID** tbr01-0  tbr01-027 | **Term name** **Iitem price**  **BII Usage** *The net price of an item including discounts or surcharges that*  *apply to the price.*  *Although price is an optional element in an order it recommended*  *as best practice to either state the price or provide reference to an*  *appropriate source from which the price can be identified such as*  *a contract, catalogue or a quote.. The price amount. The net price*  *of the item including all allowances, charges and taxes but*  *exluding VAT.*    **Rules** BII2-T01-R011 - Each order line item net price MUST not be  negative |
|  | | | | | *currencyID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | | | **cbc:BaseQuantity** | | | | **Occurence** 0 **..** 1  **Type** cbc:BaseQuantityType  **Info req.ID** tir01-131  **Bus req.ID** tbr01-027 | **Term name** **Item price base quantity**  **BII Usage** *The actual quantity to which the price applies.* |
|  | | | | | *unitCode* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-009 - Unit code MUST be coded according to the UN/*  *ECE Recommendation 20 (2009)  EUGEN-T01-R016 - A unit*  *code attribute MUST have a unit code list identifier attribute*  *"UNECREC20"* |
|  | | | | | *unitCodeListID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
|  | | | | ***cac:AllowanceCharge*** | | | | **Occurence** 0 **..** 1  **Type** cac:AllowanceChargeType |  |
|  | | | | | **cbc:ChargeIndicator** | | | **Occurence** 1 **..** 1  **Type** cbc:ChargeIndicatorType  **Info req.ID** 4  **Example** False | **Term name** **AllowanceChargeIndicator**  **BII Usage** *True = Charge, False = Allowance* |
|  | | | | | **cbc:Amount** | | | **Occurence** 1 **..** 1  **Type** cbc:AmountType  **Info req.ID** 6 | **Term name** **Amount**  **BII Usage** *The net amount for the allowance charge connected to the price* |
|  | | | | | | *currencyID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | | | | **cbc:BaseAmount** | | | **Occurence** 0 **..** 1  **Type** cbc:BaseAmountType  **Info req.ID** tir01-152  **Bus req.ID** tbr01-035 | **Term name** **Item list price**  **BII Usage** *The gross price of the item before subtracting discounts. E.g. list*  *price.* |
|  | | | | | | *currencyID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*  *4217*  *Code List ID:* *ISO4217* |
|  | | | ***cac:Item*** | | | | | **Occurence** 1 **..** 1 |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | |  | | | | | **Type** cac:ItemType |  |
|  | | | | **cbc:Description** | | | | **Occurence** 0 **..** 1  **Type** cbc:DescriptionType  **Info req.ID** tir01-133  **Bus req.ID** tbr01-029 | **Term name** **Item description as text**  **BII Usage** *Free-form field that can be used to give a text description of the*  *item. A detailed description of the item. Use one description per*  *language.*  *Test text for capturing notes* |
|  | | | | **cbc:Name** | | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-134  **Bus req.ID** tbr01-029 | **Term name** **Item name**  **BII Usage** *A short name for an item.*  *A short name optionally given to an item, such as a name from a*  *Catalogue, as distinct from a description.*    **Rules** BII2-T01-R031 - Each order line MUST have an item identifier  and/or an item name |
|  | | | | ***cac:SellersItemIdentification*** | | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-135  **Bus req.ID** tbr01-029 | **Term name** **Item sellers identifier**  **BII Usage** *The sellers identifier for the item.*  *Associates the item with its identification according to the seller's*  *system. The sellers ID for the item.*    **Rules** BII2-T01-R031 - Each order line MUST have an item identifier  and/or an item name |
|  | | | | ***cac:StandardItemIdentification*** | | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-136  **Bus req.ID** tbr01-029 | **Term name** **Item standard identifier**  **BII Usage** *A item identifier based on a registered schema.*  *Associates the item with its identification according to a standard*  *system. Standarized ID for the item*    **Rules** BII2-T01-R031 - Each order line MUST have an item identifier  and/or an item name. |
|  | | | | | | *schemeID* | | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | | | ***cac:***  ***ItemSpecificationDocumentReferenc***  ***e*** | | | | **Occurence** 0 **..** unbounded  **Type** cac:DocumentReferenceType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** OP-T01-012 | **Term name** **Document reference**  **BII Usage** *Reference to an external document (ID) when it is necessary to*  *specify the details of the item.* |
|  | | | | ***cac:CommodityClassification*** | | | | **Occurence** 0 **..** unbounded  **Type** cac:CommodityClassificationType |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | | **cbc:ItemClassificationCode** | | | **Occurence** 1 **..** 1  **Type** cbc:ItemClassificationCodeType  **Info req.ID** tir01-149  **Bus req.ID** tbr01-0 | **Term name** **Item commodity classification**  **BII Usage** *A classification code for classifying the item by its type or nature.* |
|  | | | | | | *listID* | | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | | | ***cac:ClassifiedTaxCategory*** | | | | **Occurence** 0 **..** 1  **Type** cac:TaxCategoryType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-150  **Bus req.ID** tbr01-0 | **Term name** **Item VAT category code**  **BII Usage** *The VAT code that indicates what VAT details apply to the item.*    **Rules** EUGEN-T01-R017 - A tax category identifier MUST have a  scheme identifier attribute “UNECE5305” |
|  | | | | | | *schemeID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T01-008 - A tax category identifier scheme MUST be*  *“UNCL5305”*  *Code List ID:* *UNCL5305* |
|  | | | | | **cbc:Percent** | | | **Occurence** 0 **..** 1  **Type** cbc:PercentType  **Info req.ID** tir01-170  **Bus req.ID** tbr01-004 | **Term name** **Item VAT rate**  **BII Usage** *The VAT percentage rate that applies to the ordered item.* |
|  | | | | | ***cac:TaxScheme*** | | | **Occurence** 1 **..** 1  **Type** cac:TaxSchemeType |  |
|  | | | | | | **cbc:ID** | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** 3  **Example** VAT | **Term name** **Identifier**  **BII Usage** *Code for TaxScheme.  VAT is the only allowed value* |
|  | | | | ***cac:AdditionalItemProperty*** | | | | **Occurence** 0 **..** unbounded  **Type** cac:ItemPropertyType |  |
|  | | | | | **cbc:Name** | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir01-138  **Bus req.ID** tbr01-029 | **Term name** **Name**  **BII Usage** *The name of the information.*    **Rules** BII2-T01-R019 - Each item property MUST have a data name, if  item property is provided |
|  | | | | | **cbc:Value** | | | **Occurence** 1 **..** 1  **Type** cbc:ValueType  **Info req.ID** tir01-139  **Bus req.ID** tbr01-029 | **Term name** **Value**  **BII Usage** *The value of the information.*    **Rules** BII2-T01-R020 - Each item property MUST have a data value, if  item property is provided |
|  | | | | | **cbc:ValueQuantity** | | | **Occurence** 0 **..** 1  **Type** cbc:ValueQuantityType  **Info req.ID** OP-T01-013 | **Term name** **Quantity**  **BII Usage** *Property quantity* |
|  | | | | | | *unitCode* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *Must be a valid code according to code list UN/ECE Rec 20* |
|  | | | | | | *unitCodeListID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | | | | **cbc:ValueQualifier** | | | **Occurence** 0 **..** 1  **Type** cbc:ValueQualifierType  **Info req.ID** OP-T01-013 | **Term name** **Qualification of qty**  **BII Usage** *Description of the quantity* |

# Appendices

## Appendix A

Sample XML files illustrating Use Case 1.

Sample XML files illustrating Use Case 2.

Sample XML files illustrating Use Case 3.

Sample XML files illustrating Use Case 4.

## Appendix B

Conformance statement.