**Business Interoperability Specification**

**UK** **Department of Health**

**Customization Implementation specification**

**ICT - Models**

**BIS 28A – Ordering**

**Original version by**

**OpenPEPPOL AISBL**

**Post Award Coordinating Community**

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# 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 28 Ordering”.

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



## 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\_BII] [www.cen.eu/cwa/bii/specs](http://www.cen.eu/cwa/bii/specs)

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

[BII\_Ordering] <ftp://ftp.cen.eu/public/CWAs/BII2/CWA16562/CWA16562-Annex-G-BII-Profile-28-Ordering-V1_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/cos1-UBL-2.1/UBL-2.1.html>

[UBL\_Order] <http://docs.oasis-open.org/ubl/cos1-UBL-2.1/xsd/maindoc/UBL-Order-2.1.xsd>

[UBL\_Order\_Response] <http://docs.oasis-open.org/ubl/cos1-UBL-2.1/xsd/maindoc/UBL-OrderResponse-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://GBP-lex.GBPopa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT](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://GBP-lex.GBPopa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT](http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT)

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

[http://GBP-lex.GBPopa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31999L0093:EN:NOT](http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31999L0093:EN:NOT)

[EIF] GBPopean Interoperability Framework 2.0, found at: [http://ec.GBPopa.eu/isa/library/index\_en.htm](http://ec.europa.eu/isa/library/index_en.htm) [http://ec.GBPopa.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 | 15.10.2013 | Erik Gustavsen | Difi | First version |
| 1.01 | 10.03.2016 | Siw Midtgård Meckelborg | Difi/Edisys Consulting AS | Minor editorial changes, see release notes |
| 1.1 | 25.01.2018 | Edmund Gray | DH/Celeris Group | DH Localisation |
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# Principles and prerequisites

This chapter describes the principles and assumptions that underlie the use of PEPPOL Ordering. It is based on the CEN BII 28 Ordering profile. See [BII\_Ordering]

## PEPPOL BIS 28A - Scope

This BIS describes a process comprising a Buyer to issue an electronic order, whereby the Seller may accept the order, accept with changes or reject. In his rejection the Seller may indicate reasons, so the Buyer may issue a new order that may be acceptable. The Seller may accept the order with changes, only if in a previously concluded contract the scope of such changes was agreed. The order that is agreed upon by acceptance has the commercial and legal status of a contract.

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 28A - 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 or requisitions 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 28A - 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 28A - Interoperability

This PEPPOL BIS structure is based on the GBPopean 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 and Order response:
    - 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.
* Technical Transport:
  + PEPPOL Transport Infrastructure (BusDox 1.0), see [PEPPOL\_Transp].

# Business requirements

## Order Submission 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. |

## Order Response transaction business requirements

### General requirements

|  |  |
| --- | --- |
| **ID** | **Requirement** |
| tbr76-010 | An order response must provide information about its identity, issue date and validity and of the entities of the seller and buyer. |
| tbr76-001 | The Order Response must refer to the Order it is responding to. |
| tbr76-002 | The seller may respond to the order as a whole with accept, reject or accept with changes. |
| tbr76-003 | The Order Response may state a reason for rejecting the order. |
| tbr76-004 | The seller may accept or reject individual order lines. |
| tbr76-005 | A partial accept/reject MUST refer to ALL order lines with no implicit accept/reject. |
| tbr76-006 | The lines in an Order Response must refer to the corresponding order line number and to the corresponding item identification. |
| tbr76-008 | Information elements that may be changed in the Order Response with respect to the order are:   * Quantity * Delivery date/period (header and line level) * Article (substitute) * Price |
| tbr76-009 | If the Order Response is rejecting or changing the Order, the Order Response should carry seller contact information for the Buyer to use when resolving issues with the Order Response. |

## Legal requirements

This chapter describes the legal scope for adoption of PEPPOL Business Interoperability Specifications (BIS) 28a – Ordering. 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 and order response 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. |

## Department of Health requirements

Suppliers will be sent a customized Purchase Order based on PEPPOL BIS 28A and Suppliers may send a Despacth Advice and must send an Invoice. The Despatch and Invoice are out of scope for this document.

The Department of Health (DH) PEPPOL requirements are part of the Scan4Safety programme, providing a range of measures to enable transparency and efficiency in NHS procurement to help support patient safety – "setting standards for safer care". Scan4Safety is taking learnings from other sectors, such as retail, to improve traceability and efficiency in the NHS through the use of international barcoding standards (GS1 standards) and common ways of doing business (PEPPOL).

Adoption is mandatory for both NHS Trusts and their Suppliers through conditions of contract, as follows:

for NHS Trusts through the NHS Standard Contract; and for Suppliers through the NHS Standard Terms and Conditions of Contract for the Supply of Goods and Services, due to be published in September 2016.

The Department of Health published its eProcurement strategy in 2014. It set out a range of measures to enable transparency and efficiency in NHS procurement to help support patient safety.

The strategy includes a mandate that means any service or product procured by an NHS Acute Trust in England must be compliant with GS1 standards i.e. using GLNs for Party and Location Identifiers and GTINs for Product Identifiers.

|  |  |  |
| --- | --- | --- |
| **ID:** | **Business term:** | **Description:** |
|  | **HEADER LEVEL:** |  |
| **DH-T01-010** | **Order Type Code** | To facilitate warehousing, this customized PEPPOL Order message supports three different types of orders: -  • Direct to Buyer: Code 220  • Cross-Dock: Code 402  • Purchase to Stock: Code 105  Consignment Orders use code 227 |
| **DH-T01-011** | **Order Response Codes** | Due to the time sensitive nature of many of the supplies to the Hospital Trusts, it is a requirement that they should be notified when the Supplier has been sent the Order. This is designated by using the Order Response Code 11 in the header. This code must be used if the Seller cannot send one of the other codes. In this case the Seller's Service Provider may send the Response with Code 11 in the header with no lines on behalf of their client |
| **DH-T01-012** | **Party Identifiers** | SellerSupplierParty, AccountingCustomerParty and BuyerCustomerParty mandatory element groups must contain an EndpointID and Party Identification ID. The Party Identification ID must be a GLN. For example;  <cac:Party>  <cbc:EndpointID schemeID="GLN">1234567890123</cbc:EndpointID>  <cac:PartyIdentification>  <cbc:ID schemeID="GLN">5790000435975</cbc:ID>  </cac:PartyIdentification> |
| **DH-T01-013** | **Delivery Location Address Identifier** | The Delivery Location ID cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:ID) is mandatory and must use a GLN.  For example;  <cac:DeliveryLocation>  <cbc:ID schemeID="GLN">5790000436118</cbc:ID> |
|  | **LINE LEVEL:** |  |
| **DH-T01-014** | **Standard Item Identification** | A Standard Item Identification must be provided on each line item. |
| **DH-T01-015** | **Buyers Item Identification** | A Buyers Item Identification may optionally be provided on each line item. |

# Code lists

## Code lists for coded elements

Table of the code lists used in the order and order response transaction:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Term** | **Source** | **Subset** | **Xpath** | **listID** |
| Order Type Code | Subset of UN/ECE D1001 for order types | PEPPOL | cbc:OrderTypeCode | UNCL1001  Values  105 Purchase Order – for Stock  220 eDirect Order  227 Consignment Order  402 Cross Docked - Blue Diamond |
| 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 |
| Status Code | UN/ECE | PEPPOL | cbc:OrderResponseCode  cac:OrderLine/cac:LineItem/cbc:LineStatusCode | UNCL1225  Values:  11 – Receiving AP has delivered the Order to the Seller.  12 – Seller has received the Order but not yet processed it  27 – Not Accepted  29 – Accepted  30 – Accepted with amendment in detail section |

### 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 and order response 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 |

## Order response business rules

|  |  |  |
| --- | --- | --- |
| **RuleID** | **Rule** | **error level** |
| BII2-T76-R001 | A order response MUST have a customization identifier | fatal |
| BII2-T76-R002 | A order response MUST have a profile identifier | fatal |
| BII2-T76-R003 | Each order response line MUST have a document line identifier that is unique within the order response | fatal |
| BII2-T76-R004 | A order response MUST have a document issue date | fatal |
| BII2-T76-R006 | A order response MUST have a document identifier | fatal |
| BII2-T76-R021 | A order response MUST have the buyer party name or a buyer party identifier | fatal |
| BII2-T76-R022 | A order response MUST have the seller party name or a seller party identifier | fatal |
| BII2-T76-R032 | A order response MUST have a reference to an order | fatal |
| BII2-T76-R033 | A order response MUST have a response code | fatal |
| BII2-T76-R034 | An order response line MUST contain a reference to its corresponding order line. | fatal |
| EUGEN-T76-R001 | An endpoint identifier MUST have a scheme identifier attribute | fatal |
| EUGEN-T76-R002 | A party identifier MUST have a scheme identifier attribute | fatal |
| EUGEN-T76-R003 | A response code MUST have a list identifier attribute “UNCL1225” | fatal |
| EUGEN-T76-R004 | A response line status code MUST have a list identifier attribute “UNCL1225” | 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) |
| OP-T76-001 | An order response code MUST be coded according to the code list UNCL1225. |
| OP-T76-002 | An order response line status code MUST be coded according to the code list UNCL1225. |
| OP-T76-003 | DocumentCurrencyCode MUST be coded using ISO code list 4217 |
| OP-T76-004 | An Enpoint Identifier Scheme identifier MUST be from the code list PEPPOL Party Identifier |
| OP-T76-005 | An Party Identifier Scheme identifier MUST be from the code list PEPPOL Party Identifier |
| OP-T76-006 | Unit code MUST be coded according to the UN/ECE Recommendation 20 (2009) |
| OP-T76-007 | CurrencyID MUST be coded using ISO code list 4217 |
| OP-T76-008 | A tax category identifier MUST be coded using UN/ECE 5305 BII2 Subset |

## DH business rules

|  |  |  |
| --- | --- | --- |
| **RuleID** | **Rule** | **error level** |
| DH-T01-R001 | An Order must have a valid Order Type code | fatal |
| DH-T01-R002 | An Order must have a Buyers electronic address (EndPoint) | fatal |
| DH-T01-R003 | An Order must have a Sellers electronic address (EndPoint) | fatal |
| DH-T01-R004 | An Order must have a Accounting Party electronic address (EndPoint) | fatal |
| DH-T01-R005 | An Order must have the Buyers Party Identification ID. | fatal |
| DH-T01-R006 | An Order must have the Sellers Party Identification ID. | fatal |
| DH-T01-R007 | An Order must have the Accounting Party Identification ID. | fatal |
| DH-T01-R008 | An Order must have the Delivery Location Address ID | fatal |
| DH-T01-R009 | An Order Line Item must have a Standard Identification ID. | fatal |
| DH-T01-R010 | An Order must use the DH Ordering Customization ID | fatal |
| DH-T01-R011 | An Order must have the Buyers Party Identification SchemeID set to GLN | warning |
| DH-T01-R012 | An Order must have the Sellers Party Identification ID SchemeID set to GLN | warning |
| DH-T01-R013 | An Order Line Item must have the Standard Identification ID SchemeID set to GTIN | warning |
| DH-T76-R001 | An Order Response must have an OrderTypeCode | fatal |

# Process and typical use cases

The Ordering process includes the sending of Orders from a Buyer to a Seller and the response of the Seller.

## Process flow

The Ordering 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.
* The Seller may accept the Order, committing himself to the conditions stated therein by means of an Order Response transaction.
* Alternatively, the Seller may reject the Order by means of the Order Response transaction.
* An order rejection may contain reasons for rejection.
* If contractually agreed, the Seller also may respond to the order, changing details that are acceptable by the Buyer.
* If the order was accepted or accepted with change, a contract is concluded. If the order was rejected, no contract and no residual obligations exist.
* After the receipt of an Order Response that rejects the order, the Buyer may start a new ordering process, taking into account the reasons for the rejection by the Seller.

## Process Business requirements

A seller may either:

* Accept the Order in full
* Reject the entire Order
* Accept the Order partially
* Accept the Order with changes
* There may be several Order Responses for one Order
* One Order Response may only refer to one Order

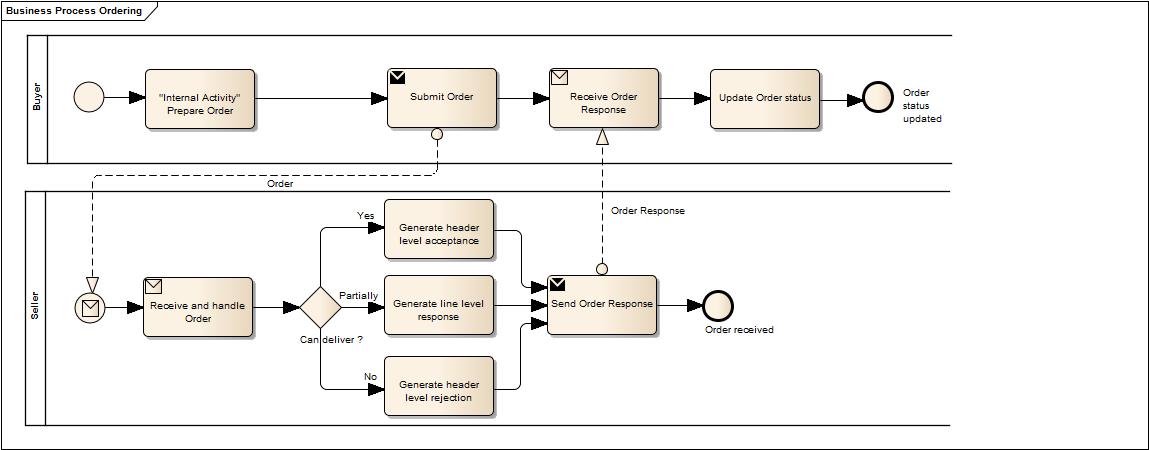
## Business process Diagram

### 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 with partial acceptance.

|  |  |
| --- | --- |
| **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:  Accepts to deliver one item.  Rejects one item.  Replaces one item. |
| **Result** | The buyer and the seller has reached an agreement. The buyer has updated the order information based on the response. 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 with full acceptance.

|  |  |
| --- | --- |
| **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.  The seller responds with the proper item names. All lines are accepted. |
| **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:  Accepts to deliver all items  Full item information is returned in the response. |
| **Result** | The buyer and the seller has reached an agreement. The buyer has updated the order information based on the response. 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 with rejection.

|  |  |
| --- | --- |
| **Use Case number** | 3 |
| **Use Case Name** | Ordering of services |
| **Use Case Description** | An order of translation services. Delivery location and period is specified.  The seller rejects the order. |
| **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 rejects the order. |
| **Result** | The buyer and the seller has not reached any agreement. |
| **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. The order is fully accepted by the seller.

|  |  |
| --- | --- |
| **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 accepts to deliver all 4 items. |
| **Result** | The buyer and the seller has reached an agreement. The buyer has updated the order information based on the response. 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 messages

## 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:PartyLegalEntity>

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

<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: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="GLN">5790000435944</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>Building name</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: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 (Requisitions)

The unit initiating the order. Most often the end user. This may be in the form of a Requisition that is referred to in the Order. The originator information is optional in the PEPPOL BIS Order message.

**Example:**

<cac:OriginatorCustomerParty>  
        <cac:Party>

<cac:PartyIdentification>  
                <cbc:ID schemeID="ZZZ">12345</cbc:ID>  
        </cac:PartyIdentification>  
  
            <cac:PartyName>  
                <cbc:Name>Purchasing department</cbc:Name>  
            </cac:PartyName>

</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="GLN">5790000435944</cbc:EndpointID>

<cac:PartyIdentification>

<cbc:ID schemeID="GLN">5790000435944</cbc:ID>

</cac:PartyIdentification>

<cac:PartyName>

<cbc:Name>UKHospitals</cbc:Name>

</cac:PartyName>

<cac:PostalAddress>

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

<cbc:AdditionalStreetName>Building name</cbc:AdditionalStreetName>

<cbc:CityName>GBPocity</cbc:CityName>

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

<cbc:CountrySubentity>County</cbc:CountrySubentity>

<cac:Country>

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

</cac:Country>

</cac:PostalAddress>

</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="GBP">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="GBP">100.00</cbc:Amount>

</cac:AllowanceCharge>

#### Allowance and Charges related to price

This example shows a discount of GBP 10:

<cac:AllowanceCharge>

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

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

<cbc:BaseAmount currencyID="GBP">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="GBP">1436.50</cbc:LineExtensionAmount>

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

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

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

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

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

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

<cbc:PayableAmount currencyID="GBP">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="GBP">5</cbc:TaxAmount>

</cac:TaxTotal>

Line level:

<cac:LineItem>

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

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

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

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

…

### Scheduled Orders (Requested Delivery Period)

Orders can be scheduled to be delivered using Header or Line level groups. It is a business decision whether to facilitate this at line level. If two line items have different delivery dates then it should be a consideration to split into separate Orders that contain the same delivery dates. If a schedule is stated at line level, then the schedule only applies to that specific line item, whereas in he header it applies to all line items. As the Delivery element group is repeated in the Header and Line Item the RequestedDeliveryPeriod item group looks the same.

Scheduled Orders at Header Levelexample;

<Order …

<cac:Delivery>

…

<cac:RequestedDeliveryPeriod>

<cbc:StartDate>2018-03-15</cbc:StartDate>

<cbc:EndDate>2018-03-15</cbc:EndDate>

</cac:RequestedDeliveryPeriod>

Scheduled Orders at Line Item level:

<cac:LineItem>

<cac:Delivery>

…

<cac:RequestedDeliveryPeriod>

<cbc:StartDate>2018-03-15</cbc:StartDate>

<cbc:EndDate>2018-03-15</cbc:EndDate>

</cac:RequestedDeliveryPeriod>

<cac:Item>

<!-- ... -->

</cac:Item>

</cac:LineItem>

## Order response message

The Order response message is sent from the Seller to the Buyer stating the sellers ability to fulfill the order. The following rules applies to the PEPPOL BIS Order Response:

* The Order response must refer to an Order.
* Seller may accept or reject the entire Order.
* The Order response should contain a reason for rejection.
* Seller may accept or reject the separate order lines.
* Lines in the Order response must refer to corresponding lines in the Order 1 to 1.
* The following information may be changed in the Order response:
  + Quantity
  + Delivery period
  + Replacement item
  + Price
* If the Order is rejected or changed, the Order response may contain contact information to Seller.

### Response code

The Response code states the Sellers ability to fulfill the order.

Only Response Code 30 (Order is accepted with amendment) requires line items to be sent.

Code 11 is introduced to allow the Receiving AP (corner 3 of a 4 corner model) to indicate that they have delivered the Order to the Seller. This will indicate to the Buyer that the Seller is now responsible for handling/processing the Order and any related issues should be referred directly to the Seller.

Rules for use:

* Response code must be sent on header level.
* Response code must be sent on line level if lines are sent.
* Response code may have 5 values: 11, 12, 27, 29 and 30.
* If the Seller can return codes 27,29 or 30 within a reasonable amount of time then codes 11 or 12 are not required. Otherwise the AP must send code 11.

**Response code on Header level:**

|  |  |
| --- | --- |
| **Response code** | **Action** |
| 11 | The Access Point has delivered the Order to the Supplier and has a receipt confirming this. No lines should be sent. |
| 12 | The Seller has received the Order but has not yet processed it. No lines should be sent. |
| 27 | The Order is rejected. No lines should be sent. |
| 29 | The Order is accepted wihout amendment. No lines should be sent. |
| 30 | The Order is accepted with amendment on line level. All lines must be sent. |

Example of Response code on Header level in an Order Response message:

.....

<cbc:ID>34</cbc:ID>

<cbc:IssueDate>2012-10-01</cbc:IssueDate>

<cbc:IssueTime>12:30:00</cbc:IssueTime>

<cbc:OrderResponseCode listID=”UNCL1225”>30</cbc:OrderResponseCode>

<cbc:Note>Changes in 2 orderlines</cbc:Note>

cac:OrderLine>

….

**Response code on Line level:**

|  |  |
| --- | --- |
| **Response code** | **Action** |
| 27 | The Order line is rejected. |
| 29 | The Order line is accepted without changes. |
| 30 | The Order line is accepted with change. |

Example of Response code on Line level in an Order Response message:

….

<cac:OrderLine>

<cbc: LineStatusCode listID=”UNCL1225”>27</cbc: LineStatusCode >

<cbc:Note>Sold out</cbc:Note>

<cac:LineItem>

….

### Order reference

Reference to the related order must be done on Header level.

Example of Order reference on Header level in a PEPPOL BIS Order Response message:

….

<cbc:ID>12</cbc:ID>

<cbc:IssueDate>2012-10-01</cbc:IssueDate>

<cbc:IssueTime>12:30:00</cbc:IssueTime>

<cbc:OrderResponseCode listID=”UNCL1225”>30</cbc:OrderResponseCode>

<cbc:Note>Changes in 1 orderline</cbc:Note>

<cac:OrderReference>

<cbc:ID>34</cbc:ID>

</cac:OrderReference>

….

If lines are sent in the Order Response Message, reference to the related order line must be sent.

Example of Order line reference on Line level:

….

<cac:OrderLine>

<cac:LineItem>

<cbc:ID>2</cbc:ID>

<cbc:LineStatusCode listID=”UNCL1225”>29</cbc:LineStatusCode>

<cac:Item>

<cbc:Description>Wet tissues for children</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

</cac:Item>

</cac:LineItem>

<cac:OrderLineReference>

<cac:LineID>2</cac:LineID>

</cac:OrderLineReference>

</cac:OrderLine>

….

### Order response with changes

When Seller accepts an order with changes, the response code «30» must be sent on header level. On line level there may be a mix of different response codes. Some lines may have been accepted (response code 29), some rejected (response code 27) and some changed (response code 30).

In addition the elements to be changed must be sent with new values.

The following elements can be changed:

* Quantity
* Delivery period
* Replacement item
* Price

Example of change of quantity in an Order Response message:

….

<cac:OrderLine>

<cac:LineItem>

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

<cbc:LineStatusCode listID=”UNCL1225”>30</cbc:LineStatusCode>

<cbc:Quantity unitCode="EA" unitCodeListID=”UNECERec20”>18</cbc:Quantity>

<cac:Item>

<cbc:Description>Wet tissues for children</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

</cac:Item>

</cac:LineItem>

<cac:OrderLineReference>

<cbc:LineID>3</cbc:LineID>

</cac:OrderLineReference>

</cac:OrderLine>

Example of change of quantity and delivery period in an Order Response message:

….

<cac:OrderLine>

<cac:LineItem>

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

<cbc:LineStatusCode listID=”UNCL1225”>30</cbc:LineStatusCode>

<cbc:Quantity unitCode="EA" unitCodeListID=”UNECERec20”>18</cbc:Quantity>

<cac:Delivery>

<cac:PromisedDeliveryPeriod>

<cbc:StartDate>2013-07-15</cbc:StartDate>

<cbc:EndDate>2013-07-15</cbc:EndDate>

</cac:PromisedDeliveryPeriod>

</cac:Delivery>

<cac:Item>

<cbc:Description>Wet tissues for children</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

</cac:Item>

</cac:LineItem>

<cac:OrderLineReference>

<cbc:LineID>3</cbc:LineID>

</cac:OrderLineReference>

</cac:OrderLine>

**Note that it is possible to send more than one Order Response line per Order line.**

Example of change of quantity and delivery period for the same Order line as in the example above.

….

<cac:OrderLine>

<cac:LineItem>

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

<cbc:LineStatusCode listID=”UNCL1225”>30</cbc:LineStatusCode>

<cbc:Quantity unitCode="EA" unitCodeListID=”UNECERec20”>12</cbc:Quantity>

<cac:Delivery>

<cac:PromisedDeliveryPeriod>

<cbc:StartDate>2013-08-15</cbc:StartDate>

<cbc:EndDate>2013-08-15</cbc:EndDate>

</cac:PromisedDeliveryPeriod>

</cac:Delivery>

<cac:Item>

<cbc:Description>Wet tissues for children</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

</cac:Item>

</cac:LineItem>

<cac:OrderLineReference>

<cbc:LineID>3</cbc:LineID>

</cac:OrderLineReference>

</cac:OrderLine>

The effect of the two Order response lines above should be interpreted as follows:

Order line 3 will be delivered on two dates: 18 pieces on 15th of july and 12 pieces on the 15th of august.

Example of Replacement item in an Order Response message:

….

<cac:OrderLine>

<cac:LineItem>

<cbc:ID>2</cbc:ID>

<cbc:LineStatusCode listID=”UNCL1225”>30</cbc:LineStatusCode>

<cac:Item>

<cbc:Description>Wet tissues for children</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

<cac:SellersItemIdentification>

<cbc:ID>SItemNo011</cbc:ID>

</cac:SellersItemIdentification>

<cac:StandardItemIdentification>

<cbc:ID schemeID="GTIN">05704368876486</cbc:ID>

</cac:StandardItemIdentification>

<cac:CommodityClassification>

<cbc:ItemClassificationCode

listID="UNSPSC">

56789</cbc: ItemClassificationCode >

</cac:CommodityClassification>

</cac:Item>

</cac:LineItem>

<cac:SellerSubstitutedLineItem>

<cbc:ID>2</cbc:ID>

<cac:Item>

<cbc:Description>Wet tissues for adults</cbc:Description>

<cbc:Name>Wet tissues</cbc:Name>

<cac:SellersItemIdentification>

<cbc:ID>SItemNo012</cbc:ID>

</cac:SellersItemIdentification>

<cac:StandardItemIdentification>

<cbc:ID schemeID="GTIN">05704368643453</cbc:ID>

</cac:StandardItemIdentification>

<cac:CommodityClassification>

<cbc: ItemClassificationCode

listID="UNSPSC">

675634</cbc: ItemClassificationCode >

</cac:CommodityClassification>

</cac:Item>

</cac:SellerSubstitutedLineItem>

<cac:OrderLineReference>

<cbc:LineID>3</cbc:LineID>

</cac:OrderLineReference>

</cac:OrderLine>

# 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.

Example of usage in PartyIdentification:

<cac:PartyIdentification>

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

</cac:PartyIdentification>

The following Endpoint example denotes that the SchemeID is DK:CVR from the PEPPOL set of Issuing Agency

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

Example of usage in Endpoint ID:

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

## 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 ―BII28 - Ordering:

**ProfileID**: urn:www.cenbii.eu:profile:bii28: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 (Order)

urn:www.cenbii.eu:transaction:biitrns076:ver2.0 (Order Response)

* Extension ID: urn:www.peppol.eu:bis:peppol28a:ver1.0

**Customizationid to use in this extension:**

Order:

urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver2.0:extended:urn:peppol-authority.co.uk:spec:ordering:ver2.1

Example usage:

<cbc:CustomizationID>urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver2.0:extended:urn:peppol-authority.co.uk:spec:ordering:ver2.1</cbc:CustomizationID>

Order Response:

urn:www.cenbii.eu:transaction:biitrns076:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0: extended:urn:peppol-authority.co.uk:spec:ordering:ver2.1

Example usage:

<cbc:CustomizationID> urn:www.cenbii.eu:transaction:biitrns076:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0: extended:urn:peppol-authority.co.uk:spec:ordering:ver2.1</cbc:CustomizationID>

## Namespaces

The target namespace for the UBL2.1 Order is:

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

The target namespace for the UBL2.1 Order Response is:

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

# XML Schema Guideline and information content

## 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 | | | | | | | |
|  | 1 **..** 1 | |  | | **cbc:OrderTypeCode** Order Type tir01-153, DH-T01-010 | | | | | | | |
|  | 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** | | | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:EndpointID** | | | | Buyer party endpoint ID | tir01-021, DH-T01-012, |
|  | **1** **..** **1** | |  | | | | **cac:PartyIdentification** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Buyer party identification tir01-022, DH-T01-012 | | | | |
|  | **1** **..** **1** | |  | | | | **cac:PartyName** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** | | | | |
|  | **1** **..** **1** | |  | | | | **cac:PostalAddress** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-032 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-027 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:CityName** City tir01-031 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-024 | | | | |
|  | 1 **..** 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** | | | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:EndpointID** Seller party endpoint ID tir01-058, DH-T01-012 | | | | | |
|  | **1** **..** **1** | |  | | | | **cac:PartyIdentification** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Seller party identification tir01-059, DH-T01-012 | | | | |
|  | **1** **..** **1** | |  | | | | **cac:PartyName** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Seller party name tir01-060 | | | | |
|  | **1** **..** **1** | |  | | | | **cac:PostalAddress** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-063 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-064 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:CityName** City tir01-065 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-068 | | | | |
|  | 1 **..** 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, DH-T01-012 | | | | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyIdentification** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Party identification tir01-156, DH-T01-012 | | | | |
|  | **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 | | | | |
|  | **1** **..** **1** | |  | | **cac:Delivery** | | | | | | | |
|  | **1** **..** **1** | |  | | | **cac:DeliveryLocation** | | | | | | |
|  | **1** **..** **1** | |  | | | | **cac:Address** | | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Delivery location ID tir01-169, DH-T01-012 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:StreetName** Address line 1 tir01-092 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:AdditionalStreetName** Address line 2 tir01-093 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:CityName** City tir01-096 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:PostalZone** Post code tir01-097 | | | | |
|  | 1 **..** 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 | | | | | | |
|  | **1** **..** **1** | |  | | **cac:AnticipatedMonetaryTotal** | | | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:LineExtensionAmount** Sum of line amounts tir01-115 | | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:TaxExclusiveAmount** Document total without VAT tir01-145 | | | | | | |
|  | 1 **..** 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 | | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:LineExtensionAmount** Order line amount tir01-128 | | | | | |
|  | 1 **..** 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 | | | |
|  | **1** **..** **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 | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Item name tir01-134 | | | | |
|  | **0** **..** **1** | |  | | | | | **cac:BuyersItemIdentification** | | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Buyers Identifier | | | | |
|  | **0** **..** **1** | |  | | | | | **cac:SellersItemIdentification** | | | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item sellers identifier tir01-135 | | | |
|  | **1** **..** **1** | |  | | | | | **cac:StandardItemIdentification** | | | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item standard identifier tir01-136, DH-T01-015 | | | |
|  | **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 | | | |
|  | **1** **..** **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:peppol28a:ver1.0 | **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:bii28: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** 1 **..** 1  **Type** cbc:OrderTypeCodeType  **Info req.ID** DH-T01-010  **Bus req.ID** DH-T01-R001, | **Term name** **Order Type**    **Rules** Code=220, 105, 402 or 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 SHOULD 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** 1 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-021, DH-T01-012  **Bus req.ID** tbr01-010, DH-T01-R002 | **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** 1 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-022, DH-T01-012  **Bus req.ID** tbr01-009, DH-T01-R005, DH-T01-R011 | **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** 1 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | | **Occurence** 1 **..** 1  **Type** cbc:NameType |  |
|  | | | ***cac:PostalAddress*** | | | | | **Occurence** 1 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-058, DH-T01-012  **Bus req.ID** tbr01-010, DH-T01-R003 | **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** 1 **..** 1  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-059, DH-T01-012  **Bus req.ID** tbr01-009, DH-T01-R006, DH-T01-R012 | **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** 1 **..** 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** 1 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 1  **Type** cac:CustomerPartyType |  |
|  | | ***cac:Party*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | | **Occurence** 1 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir01-157  **Bus req.ID** DH-T01-R004 | **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** 1 **..** 1 |  |
| **Element/Attribute** | | | | | | | | **Description** | **Usage** |
|  | | | | | | | |  |  |
|  | | |  | | | | | **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-156, DH-T01-012  **Bus req.ID** DH-T01-R007 | **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** 1 **..** 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** 1 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:StreetName** | | | | **Occurence** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 1  **Type** cac:DeliveryType |  |
|  | | ***cac:DeliveryLocation*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:LocationType |  |
|  | | | ***cac:Address*** | | | | | **Occurence** 1 **..** 1  **Type** cac:AddressType |  |
|  | | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-169, DH-T01-013  **Bus req.ID** tbr01-021, DH-T01-R008 | **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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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** 1 **..** 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:BuyersItemIdentification*** | | | | **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 buyers identifier**  **DH Usage** *The buyers identifier for the item.*  *Associates the item with its identification according to the buyer's*  *system. The buyers ID for the item.*    **Rules** BII2-T01-R031 - Each order line MUST have an item identifier  and/or an item name |
|  | | | |  | | | | **Info req.ID**  **Bus req.ID** tbr01-029, DH-T01-015 | *Associates the item with its identification according to the buyer's*  *system. The buyers ID for the item.*    **Rules** BII2-T01-R031 - Each order line MUST have an item identifier  and/or an item name |
|  | | | |  | | | |  | **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** 1 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir01-136, DH-T01-014  **Bus req.ID** tbr01-029, DH-T01-R009, DH-T01-R013 | **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* | *SchemeID must be GTIN* |
|  | | | | ***cac:***  ***ItemSpecificationDocumentReference***  ***e*** | | | | **Occurence** 1 **..** 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** 1 **..** 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** 1 **..** 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* |

## Order response message

### Structure

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Business**  **req.** | | | | | | |
|  | | | | | | | | | | |
|  |  | | **OrderResponse** | | | | | | | |
|  | 1 **..** 1 | |  | | **cbc:UBLVersionID** UBLVersionID | | | | | |
|  | 1 **..** 1 | |  | | **cbc:CustomizationID** Customization identifier tir76-001 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:ProfileID** Profile identifier tir76-002 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:ID** Order response identifier tir76-003 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:IssueDate** Order response issue date tir76-004 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:IssueTime** Order response issue time tir76-005 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:OrderResponseCode** Response code tir76-20, DH-T01-011 | | | | | |
|  | 0 **..** 1 | |  | | **cbc:Note** Response clarification tir76-006 | | | | | |
|  | 1 **..** 1 | |  | | **cbc:DocumentCurrencyCode** Document currency tir76-007 | | | | | |
|  | **1** **..** **1** | |  | | **cac:OrderReference** | | | | | |
|  | 1 **..** 1 | |  | | | **cbc:ID** Order document reference tir76-011 | | | | |
|  | **1** **..** **1** | |  | | **cac:SellerSupplierParty** | | | | | |
|  | **0** **..** **1** | |  | | | **cac:Party** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndpointID** Seller party endpoint identifier tir76-058 | | | |
|  | **0** **..** **unbounded** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Seller party identification tir76-059 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Seller party name tir76-060 | | |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Contact person name tir76-074 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telephone** Contact telephone number tir76-077 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Telefax** Conatct fax number tir76-075 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ElectronicMail** Contact email address tir76-076 | | |
|  | **1** **..** **1** | |  | | **cac:BuyerCustomerParty** | | | | | |
|  | **0** **..** **1** | |  | | | **cac:Party** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndpointID** Buyer party endpoint identifier tir76-021 | | | |
|  | **0** **..** **unbounded** | |  | | | | **cac:PartyIdentification** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:ID** Buyer party identification tir76-022 | | |
|  | **0** **..** **1** | |  | | | | **cac:PartyName** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:Name** Buyer party name tir76-023 | | |
|  | **0** **..** **1** | |  | | | | **cac:Contact** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:ID** Contact identifier OP-T01-010 | | |
|  | **0** **..** **1** | |  | | **cac:Delivery** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:PromisedDeliveryPeriod** | | | | |
|  | 0 **..** 1 | |  | | | | **cbc:StartDate** Period start date tir76-099 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:EndDate** Period end date tir76-100 | | | |
|  | **0** **..** **unbounded** | |  | | **cac:OrderLine** | | | | | |
|  | **1** **..** **1** | |  | | | **cac:LineItem** | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:ID** Document line identifier tir76-120 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:Note** Response clarification tir76-204 | | | |
|  | 1 **..** 1 | |  | | | | **cbc:LineStatusCode** Response code tir76-202 | | | |
|  | 0 **..** 1 | |  | | | | **cbc:Quantity** Quantity tir76-132 | | | |
|  | **0** **..** **1** | |  | | | | **cac:Delivery** | | | |
|  | **1** **..** **1** | |  | | | | | **cac:PromisedDeliveryPeriod** | | |
|  | 0 **..** 1 | |  | | | | | | **cbc:StartDate** Period start date tir76-126 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:EndDate** Period end date tir76-127 | |
|  | **0** **..** **1** | |  | | | | **cac:Price** | | | |
|  | 1 **..** 1 | |  | | | | | **cbc:PriceAmount** Item price tir76-130 | | |
|  | 0 **..** 1 | |  | | | | | **cbc:BaseQuantity** Item price base quantity tir04-131 | | |
|  | **1** **..** **1** | |  | | | | **cac:Item** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Item name tir76-205 | | |
|  | **0** **..** **1** | |  | | | | | **cac:SellersItemIdentification** | | |
|  | | **Occurrence** | | **Element/Attribute** **BII Business Term** **Business**  **req.** | | | | | | |
|  | | | | | | | | | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item sellers identifier tir76-206 | |
|  | **0** **..** **1** | |  | | | | | **cac:StandardItemIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item standard identifier tir76-207 | |
|  | **0** **..** **1** | |  | | | **cac:SellerSubstitutedLineItem** | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:ID** Substituted Line Item Identifier | | | |
|  | **1** **..** **1** | |  | | | | **cac:Item** | | | |
|  | 0 **..** 1 | |  | | | | | **cbc:Name** Item name tir76-134 | | |
|  | **0** **..** **1** | |  | | | | | **cac:SellersItemIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item sellers identifier tir76-135 | |
|  | **0** **..** **1** | |  | | | | | **cac:StandardItemIdentification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item standard identifier tir76-136 | |
|  | **0** **..** **unbounded** | |  | | | | | **cac:CommodityClassification** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ItemClassificationCode** Item commodity classification tir76-149 | |
|  | **0** **..** **1** | |  | | | | | **cac:ClassifiedTaxCategory** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:ID** Item VAT category code tir76-150 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:Percent** Item VAT rate tir04-170 | |
|  | **1** **..** **1** | |  | | | | | | **cac:TaxScheme** | |
|  | 1 **..** 1 | |  | | | | | | | **cbc:ID** |
|  | **0** **..** **unbounded** | |  | | | | | **cac:AdditionalItemProperty** | | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Name** Name tir76-138 | |
|  | 1 **..** 1 | |  | | | | | | **cbc:Value** Value tir76-139 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:ValueQuantity** Quantity OP-T01-013 | |
|  | 0 **..** 1 | |  | | | | | | **cbc:ValueQualifier** Qualification of qty OP-T01-013 | |
|  | **1** **..** **1** | |  | | | **cac:OrderLineReference** | | | | |
|  | 1 **..** 1 | |  | | | | **cbc:LineID** Order line reference tir76-201 | | | |

### Details

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
| **OrderResponse** | | | | | | | **Type** OrderResponseType |  |
|  | **cbc:UBLVersionID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:UBLVersionIDType  **Info req.ID**  **Example** 2.1 | **Term name** **UBLVersionID**  **BII Usage** *The version of UBL the message is based on (2.1)* |
|  | **cbc:CustomizationID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:CustomizationIDType  **Info req.ID** tir76-001  **Example** urn:www.cenbii.eu:transaction:biitrns076:ver2.0:  extended:urn:www.peppol.eu:bis:peppol28a:ver1.0 | **Term name** **Customization identifier**  **BII Usage** *Identifies the specification of content and rules that apply to the*  *transaction.*  **Rules** BII2-T76-R001 - An order response MUST have a  customization identifier |
|  | **cbc:ProfileID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:ProfileIDType  **Info req.ID** tir76-002  **Example** urn:www.cenbii.eu:profile:bii28:ver2.0 | **Term name** **Profile identifier**  **BII Usage** *Identifies the BII profile or business process context in which*  *the transaction appears.*  **Rules** BII2-T76-R002 - An order response MUST have a profile  identifier |
|  | **cbc:ID** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-003 | **Term name** **Order response 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-T76-R006 - An order response MUST have a document  identifier |
|  | **cbc:IssueDate** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:IssueDateType  **Info req.ID** tir76-004 | **Term name** **Order response issue date**  **BII Usage** *The date on which the transaction instance was issued.*  **Rules** BII2-T76-R004 - An order response MUST have a document  issue date |
|  | **cbc:IssueTime** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:IssueTimeType  **Info req.ID** tir76-005 | **Term name** **Order response issue time**  **BII Usage** *The time assigned by the buyer on which the transaction was*  *issued.* |
|  | **cbc:OrderResponseCode** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:OrderResponseCodeType  **Info req.ID** tir76-200, DH-T01-010  **Bus req.ID** DH-T76-R001 | **Term name Response code**  **DH Usage**  *The Access Point may return a Code 11 to indicate that the message has ben sent to the Supplier and that they have received a receipt confirming this.*  *Alternattively they may send a Code 12 to indicate that the Seller has received it but not processed the Order.*  *.*  *The seller may decide to send only Acceptance or Rejection response codes- if they are returned within a reasonable time, otherwise code 11 or 12 must be used.*  *.*  *Rules BII2-T76-R003 - An order response MUST have a response*  *code. EUGEN-T76-R0034 - A response code MUST have a list*  *identifier attribute "UNCL1225". OP-T76-001 An order response code MUST be coded according to the code list*  *UNCL1225*. |
|  | | *listID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNCL1225* |
|  | **cbc:Note** | | | | | | **Occurence** 0 **..** 1  **Type** cbc:NoteType  **Info req.ID** tir76-006 | **Term name** **Response clarification**  **BII Usage** *Clarifacation of the suppliers decision.* |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | **cbc:DocumentCurrencyCode** | | | | | | **Occurence** 1 **..** 1  **Type** cbc:DocumentCurrencyCodeType  **Info req.ID** tir76-007 | **Term name** **Document currency**  **BII Usage** *The default currency for the offer.*  **Rules** OP-T76-003 - Document Currency Code MUST be coded using  ISO code list 4217 |
|  | | *listID* | | | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *ISO4217* |
|  | ***cac:OrderReference*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:OrderReferenceType |  |
|  | | **cbc:ID** | | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-011 | **Term name** **Order document reference**  **BII Usage** *Used to reference the order that  is being responded to.*  **Rules** BII2-T76-R032 - An order response MUST have a reference to  an order |
|  | ***cac:SellerSupplierParty*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:SupplierPartyType |  |
|  | | ***cac:Party*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | **Occurence** 0 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir76-058 | **Term name** **Seller party endpoint identifier**  **BII Usage** *Identifies the end point of the routing service, e.g., EAN*  *Location Number, GLN.*  **Rules** EUGEN-T76-R001 - An endpoint identifier MUST have a  scheme identifier attribute |
|  | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-004 - An Endpoint identifier scheme MUST be from*  *the code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyIdentification*** | | | | **Occurence** 0 **..** unbounded  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-059 | **Term name** **Seller party identification**  **BII Usage** *Identifies a party.*  **Rules** BII2-T76-R022 - An order response MUST have the seller party  name or seller party identifier.  EUGEN-T76-R002 - A party  identifier MUST have a scheme identifier attribute. |
|  | | | | | *schemeID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-005 - A Party identifier scheme MUST be from the*  *code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-060 | **Term name** **Seller party name**  **BII Usage** *The name of the party.*  **Rules** BII2-T76-R022 - An order response MUST have the seller party  name or seller party identifier |
|  | | | ***cac:Contact*** | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:Name** | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-074 | **Term name** **Contact person name**  **BII Usage** *The name of the contact person.* |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | | | | **cbc:Telephone** | | | **Occurence** 0 **..** 1  **Type** cbc:TelephoneType  **Info req.ID** tir76-077 | **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** tir76-075 | **Term name** **Conatct fax number**  **BII Usage** *A fax number for the contact persons.* |
|  | | | | **cbc:ElectronicMail** | | | **Occurence** 0 **..** 1  **Type** cbc:ElectronicMailType  **Info req.ID** tir76-076 | **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:BuyerCustomerParty*** | | | | | | **Occurence** 1 **..** 1  **Type** cac:CustomerPartyType |  |
|  | | ***cac:Party*** | | | | | **Occurence** 0 **..** 1  **Type** cac:PartyType |  |
|  | | | **cbc:EndpointID** | | | | **Occurence** 0 **..** 1  **Type** cbc:EndpointIDType  **Info req.ID** tir76-021 | **Term name** **Buyer party endpoint identifier**  **BII Usage** *Identifies the end point of the routing service.*  **Rules** EUGEN-T76-R001 - An endpoint identifier MUST have a  scheme identifier attribute |
|  | | | | *schemeID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-004 - An Endpoint identifier scheme MUST be from*  *the code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyIdentification*** | | | | **Occurence** 0 **..** unbounded  **Type** cac:PartyIdentificationType |  |
|  | | | | **cbc:ID** | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-022 | **Term name** **Buyer party identification**  **BII Usage** *An identification for the buyer party.*  **Rules** BII2-T76-R021 - An order response MUST have the buyer  party name or buyer party identifier.  EUGEN-T76-R002 - A  party identifier MUST have a scheme identifier attribute. |
|  | | | | | *schemeID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-005 - A Party identifier scheme MUST be from the*  *code list PEPPOL:PartyIdentifier*  *Code List ID:* *PEPPOL:PartyIdentifier* |
|  | | | ***cac:PartyName*** | | | | **Occurence** 0 **..** 1  **Type** cac:PartyNameType |  |
|  | | | | **cbc:Name** | | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-023 | **Term name** **Buyer party name**  **BII Usage** *The name of the party who ordered the items and receives the*  *response.*  **Rules** BII2-T76-R021 - An order response MUST have the buyer  party name or buyer party identifier |
|  | | | ***cac:Contact*** | | | | **Occurence** 0 **..** 1  **Type** cac:ContactType |  |
|  | | | | **cbc:ID** | | | **Occurence** 0 **..** 1  **Type** cbc:IDType  **Info req.ID** 2 | **Term name** **Contact identifier** |
|  | ***cac:Delivery*** | | | | | | **Occurence** 0 **..** 1  **Type** cac:DeliveryType |  |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | | ***cac:PromisedDeliveryPeriod*** | | | | | **Occurence** 1 **..** 1  **Type** cac:PeriodType |  |
|  | | | **cbc:StartDate** | | | | **Occurence** 0 **..** 1  **Type** cbc:StartDateType  **Info req.ID** tir76-099 | **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** tir76-100 | **Term name** **Period end date**  **BII Usage** *The date on which the period ends. The end date counts as*  *part of the period.* |
|  | ***cac:OrderLine*** | | | | | | **Occurence** 0 **..** unbounded  **Type** cac:OrderLineType |  |
|  | | ***cac:LineItem*** | | | | | **Occurence** 1 **..** 1  **Type** cac:LineItemType |  |
|  | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-120 | **Term name** **Document line identifier**  **BII Usage** *Identifies the response line.*  **Rules** BII2-T76-R003 - Each order response line MUST have a  document line identifier that is unique within the order response |
|  | | | **cbc:Note** | | | | **Occurence** 0 **..** 1  **Type** cbc:NoteType  **Info req.ID** tir76-204 | **Term name** **Response clarification**  **BII Usage** *Clarification of the suppliers decision for the line.* |
|  | | | **cbc:LineStatusCode** | | | | **Occurence** 1 **..** 1  **Type** cbc:LineStatusCodeType  **Info req.ID** tir76-202 | **Term name** **Response code**  **BII Usage** *A code that indicates whether the referenced order line as*  *whole is Accepted or Rejected or, alternatively, Accepted with*  *change.*  **Rules** EUGEN-T76-R004 - A response line status code MUST have a  list identifier attribute "UNCL1225".  OP-T76-002 An order  response line status code MUST be coded according to the  code list UNCL1225. |
|  | | | | *listID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNCL1225* |
|  | | | **cbc:Quantity** | | | | **Occurence** 0 **..** 1  **Type** cbc:QuantityType  **Info req.ID** tir76-132 | **Term name** **Quantity**  **BII Usage** *The quantity of items that will be delivered.* |
|  | | | | *unitCode* | | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-006 - Unit code MUST be coded according to the*  *UN/ECE Recommendation 20* |
|  | | | | *unitCodeListID* | | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
|  | | | ***cac:Delivery*** | | | | **Occurence** 0 **..** 1  **Type** cac:DeliveryType |  |
|  | | | | ***cac:PromisedDeliveryPeriod*** | | | **Occurence** 1 **..** 1  **Type** cac:PeriodType |  |
|  | | | | | **cbc:StartDate** | | **Occurence** 0 **..** 1  **Type** cbc:StartDateType  **Info req.ID** tir76-126 | **Term name** **Period start date**  **BII Usage** *The date on which the period starts. The start dates counts as*  *part of the period.* |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | | | | | **cbc:EndDate** | | **Occurence** 0 **..** 1  **Type** cbc:EndDateType  **Info req.ID** tir76-127 | **Term name** **Period end date**  **BII Usage** *The date on which the period ends. The end date counts as*  *part of the period.* |
|  | | | ***cac:Price*** | | | | **Occurence** 0 **..** 1  **Type** cac:PriceType |  |
|  | | | | **cbc:PriceAmount** | | | **Occurence** 1 **..** 1  **Type** cbc:PriceAmountType  **Info req.ID** tir76-130 | **Term name** **Item 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 offer 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.* |
|  | | | | | *currencyID* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-007 - CurrencyID MUST be coded using ISO code list*  *4217* |
|  | | | | **cbc:BaseQuantity** | | | **Occurence** 0 **..** 1  **Type** cbc:BaseQuantityType  **Info req.ID** tir04-131 | **Term name** **Item price base quantity**  **BII Usage** *The actual quantity to which the price applies.* |
|  | | | | | *unitCode* | | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *OP-T76-006 - Unit code MUST be coded according to the*  *UN/ECE Recommendation 20* |
|  | | | | | *unitCodeListID* | | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
|  | | | ***cac:Item*** | | | | **Occurence** 1 **..** 1  **Type** cac:ItemType |  |
|  | | | | **cbc:Name** | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-205 | **Term name** **Item name**  **BII Usage** *A short name optionally given to an item, such as a name from*  *a Catalogue, as distinct from a description. A short name for*  *the item.* |
|  | | | | ***cac:SellersItemIdentification*** | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-206 | **Term name** **Item sellers identifier**  **BII Usage** *Associates the item with its identification according to the*  *seller's system. The sellers ID for the item.* |
|  | | | | ***cac:StandardItemIdentification*** | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-207 | **Term name** **Item standard identifier**  **BII Usage** *Associates the item with its identification according to a*  *standard system. Standarized ID for the item* |
|  | | | | | | *schemeID* | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | ***cac:SellerSubstitutedLineItem*** | | | | | **Occurence** 0 **..** 1  **Type** cac:LineItemType |  |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | | | **cbc:ID** | | | | **Occurence** 1 **..** 1  **Type** cbc:IDType | **Term name** **Substituted Line Item Identifier**  **BII Usage** *Identifier of the substituted line item* |
|  | | | ***cac:Item*** | | | | **Occurence** 1 **..** 1  **Type** cac:ItemType |  |
|  | | | | **cbc:Name** | | | **Occurence** 0 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-134 | **Term name** **Item name**  **BII Usage** *A short name optionally given to an item, such as a name from*  *a Catalogue, as distinct from a description. A short name for*  *the item.* |
|  | | | | ***cac:SellersItemIdentification*** | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-135 | **Term name** **Item sellers identifier**  **BII Usage** *Associates the item with its identification according to the*  *seller's system. The sellers ID for the item.* |
|  | | | | ***cac:StandardItemIdentification*** | | | **Occurence** 0 **..** 1  **Type** cac:ItemIdentificationType |  |
|  | | | | | **cbc:ID** | | **Occurence** 1 **..** 1  **Type** cbc:IDType  **Info req.ID** tir76-136 | **Term name** **Item standard identifier**  **BII Usage** *Associates the item with its identification according to a*  *standard system. Standarized ID for the item* |
|  | | | | | | *schemeID* | *Type* *xs:normalizedString*  *Use* *optional* |  |
|  | | | | ***cac:CommodityClassification*** | | | **Occurence** 0 **..** unbounded  **Type** cac:CommodityClassificationType |  |
|  | | | | | **cbc:ItemClassificationCode** | | **Occurence** 1 **..** 1  **Type** cbc:ItemClassificationCodeType  **Info req.ID** tir76-149 | **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** tir76-150 | **Term name** **Item VAT category code**  **BII Usage** *The VAT code that indicates what VAT details apply to the*  *item.*  **Rules** OP-T76-008 - A tax category identifier MUJST be coded using  UN/ECE 5305 BII2 subset |
|  | | | | | | *schemeID* | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNCL5305* |
|  | | | | | **cbc:Percent** | | **Occurence** 0 **..** 1  **Type** cbc:PercentType  **Info req.ID** tir04-170 | **Term name** **Item VAT rate**  **BII Usage** *The VAT percentage rate that applies item, unless exemption*  *reasons apply.* |
|  | | | | | ***cac:TaxScheme*** | | **Occurence** 1 **..** 1  **Type** cac:TaxSchemeType |  |
|  | | | | | | **cbc:ID** | **Occurence** 1 **..** 1  **Type** cbc:IDType |  |
|  | | | | ***cac:AdditionalItemProperty*** | | | **Occurence** 0 **..** unbounded |  |
| **Element/Attribute** | | | | | | | **Description** | **Usage** |
|  | | | | | | |  |  |
|  | | | |  | | | **Type** cac:ItemPropertyType |  |
|  | | | | | **cbc:Name** | | **Occurence** 1 **..** 1  **Type** cbc:NameType  **Info req.ID** tir76-138 | **Term name** **Name**  **BII Usage** *The name of the information.*  *The name of the item property.* |
|  | | | | | **cbc:Value** | | **Occurence** 1 **..** 1  **Type** cbc:ValueType  **Info req.ID** tir76-139 | **Term name** **Value**  **BII Usage** *The value of the information.*  *The item property value.* |
|  | | | | | **cbc:ValueQuantity** | | **Occurence** 0 **..** 1  **Type** cbc:ValueQuantityType  **Info req.ID** 6 | **Term name** **Quantity**  **BII Usage** *Property quantity* |
|  | | | | | | *unitCode* | *Type* *xs:normalizedString*  *Use* *required* | *Rules* *Must be a valid unit code according to code list UN/ECE Rec20* |
|  | | | | | | *unitCodeListID* | *Type* *xs:normalizedString*  *Use* *required* | *Code List ID:* *UNECERec20* |
|  | | | | | **cbc:ValueQualifier** | | **Occurence** 0 **..** 1  **Type** cbc:ValueQualifierType  **Info req.ID** 5 | **Term name** **Qualification of qty**  **BII Usage** *Description of the quantity* |
|  | | ***cac:OrderLineReference*** | | | | | **Occurence** 1 **..** 1  **Type** cac:OrderLineReferenceType |  |
|  | | | **cbc:LineID** | | | | **Occurence** 1 **..** 1  **Type** cbc:LineIDType  **Info req.ID** tir76-201 | **Term name** **Order line reference**  **BII Usage** *Used to reference the initial order line that correspondes to the*  *response. All order lines should be stated.*  **Rules** BII2-T76-R034 - An order response line MUST contain a  reference to its corresponding order line. |

# 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.