Business Interoperability Specification

OpenPEPPOL AISBL

Post Award Coordinating Community

**ICT -
Models**

BIS 28A – Ordering

Version: 1.0
Status: In use

Statement of copyright

Table of Contents

1 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 European market, and to facilitate an efficient implementation and increased use of electronic collaboration regarding the ordering process based on these formats.
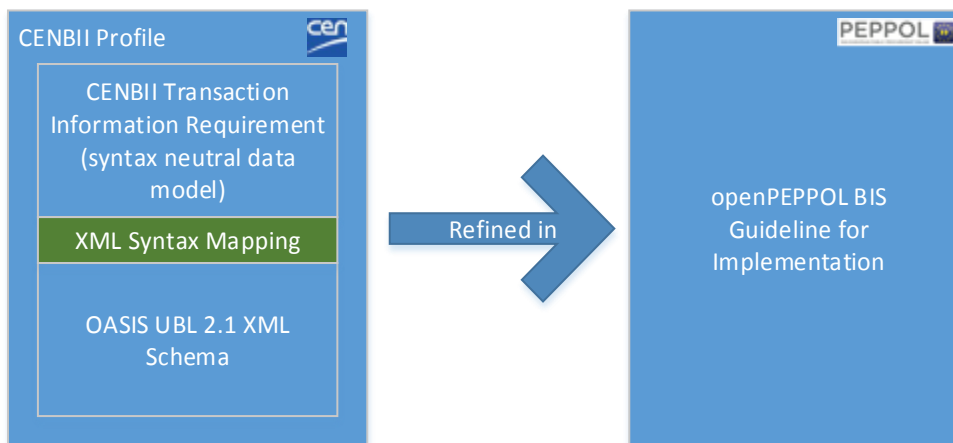
1.1 Audience

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].

2 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
[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
[CEN_BII2]	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
[XSLT]	http://www.w3.org/TR/xslt20/
[DIR_2009/101/EC]	Council Directive 2009/101/EC of 16 September 2009, Article 5: Member States shall prescribe that letters and order forms, whether they are in paper form or use any other medium , are to state the following particulars…, found at: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT
[DIR_2006/112/EC]	Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax, found at: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT
[DIR_1999/93/EC]	Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures, found at: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31999L0093:EN:NOT
[EIF]	European Interoperability Framework 2.0, found at: http://ec.europa.eu/isa/library/index_en.htm http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
[GS1 Keys]	http://www.gs1.org/barcodes/technical/id_keys

3 Document history

3.1 Revision history

Version	Date	Author	Organisation	Description
1.0	15.10.2013	Erik Gustavsen	Difi	First version

3.2 Contributors

Are Berg, Difi, NO / Edisys Consulting
Jan Mærøe, Difi, NO
Olav Kristiansen, Difi, NO
Martin Forsberg, SFTI, SE
Thomas Pettersson, SFTI, SE
Sven Rostgaard Rasmussen, DIGST, DK
Ole Ellerbæk Madsen, DIGST, DK
Arianna Brutti, Intercent-ER, IT
Oriol Bausà, Invinet ES
Christian Druschke, Capgemini, NO
Anders Kingstedt, OpenPEPPOL
Jaroslav Flejberk, GS1
Jostein Frømyr, Difi, NO/ Edisys Consulting
Erik Gustavsen, Difi, NO / Edisys Consulting

4 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]

4.1 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.

4.2 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 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.
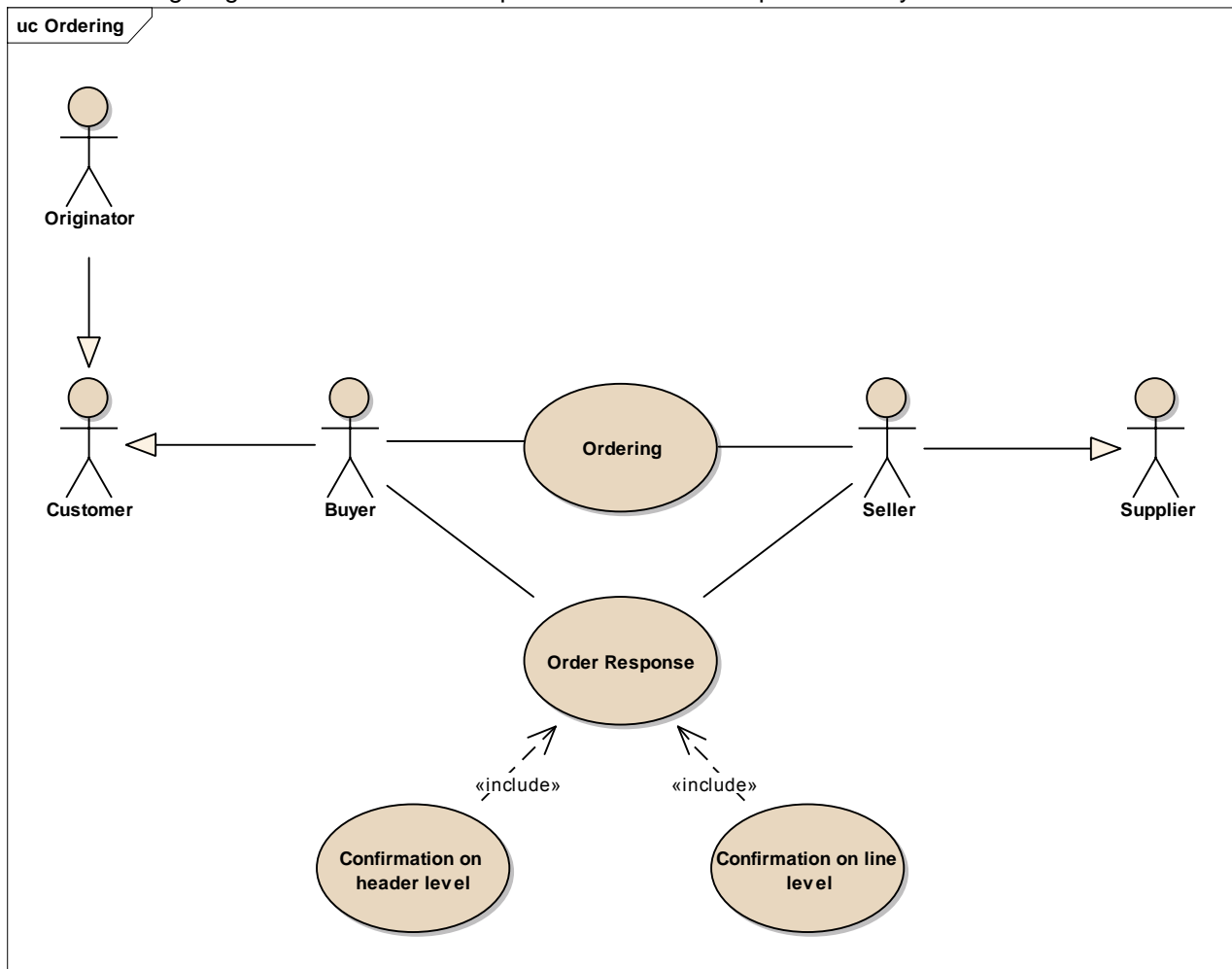
4.3   PEPPOL BIS 28A - Benefit

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.

4.4   PEPPOL BIS 28A - Interoperability

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

1. **Organizational interoperability**
   - Organization (Organization/Business):
     - o   This PEPPOL BIS supports B2B and B2G
     - o   This PEPPOL BIS supports cross border, regional and domestic ordering in EU and EEA
     - o   This PEPPOL BIS can function as a component in an EDI agreement within a trading community
     - o   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):
     - o   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.

2. **Semantic interoperability**
   - Semantic:
     The set of information elements is assumed to be sufficient to support organizational business and processing requirements stated above.

- o A CORE Order and Order response:
  - ▪ <u>Data model</u>, a set of elements that the receiver MUST be able to process.
  - ▪ <u>Business rules</u>, 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 conforms 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.

3. **Technical interoperability**
   - ▶ Technical Interaction (Process and semantic implementation):
     - o Binding to OASIS UBL 2.1, see [UBL]
     - o ISO/IEC 19757-3 Schematron, for automation of document validation, see [Schematron] XSLT Stylesheet for presentation of content, see [XSLT]
   - ▶ Technical Interaction (eSignature Validation):
     - o Not mandatory in this PEPPOL BIS. Not supported.
   - ▶ Technical Transport:
     - o PEPPOL Transport Infrastructure (BusDox 1.0), see [PEPPOL_Transp].

5 Business requirements

5.1 Order Submission transaction business requirements

5.1.1 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

5.1.2 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).

5.1.3 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

5.1.4 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.

5.2 Order Response transaction business requirements

5.2.1 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.	

5.3 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.

5.4 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.

6 Code lists

6.1 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 227 – Consignment Order
Currency Code	ISO 4217		cbc:DocumentCurrencyCode @currencyID	ISO4217
MIME Media Type Code	IANA		@mimeCode	
Country Code	ISO 3166-1 alpha2		cac:Country/cbc:Identificationcode	ISO3166-1:Alpha2
Unit Of Measure	UN/ECE Rec 20		@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: 27 – Not Accepted 29 – Accepted 30 – Accepted with amendment in detail section

6.1.1 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

6.2 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 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

7 Business Rules

7.1 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

7.2 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

7.3 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

8 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.

8.1 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.

8.2 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

8.3 Business process Diagram

8.3.1 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.
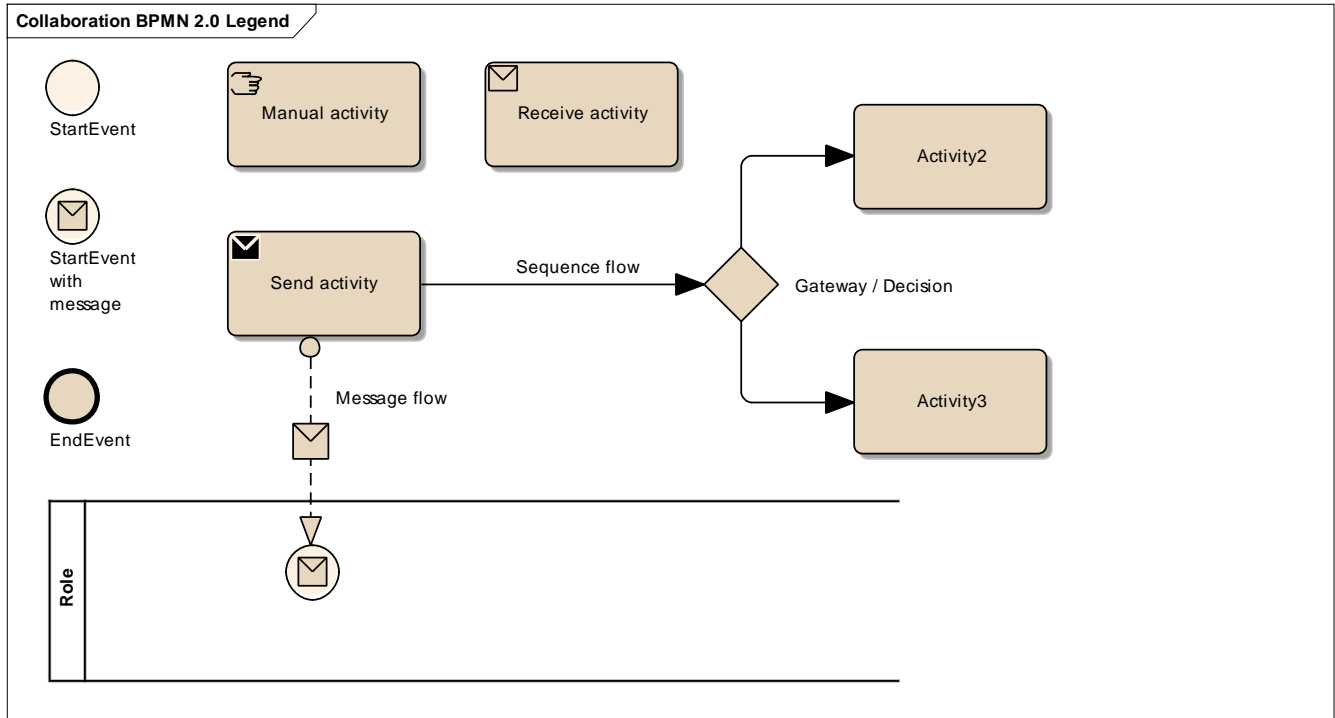
The following diagram shows the choreography of the business process implemented by the profile.
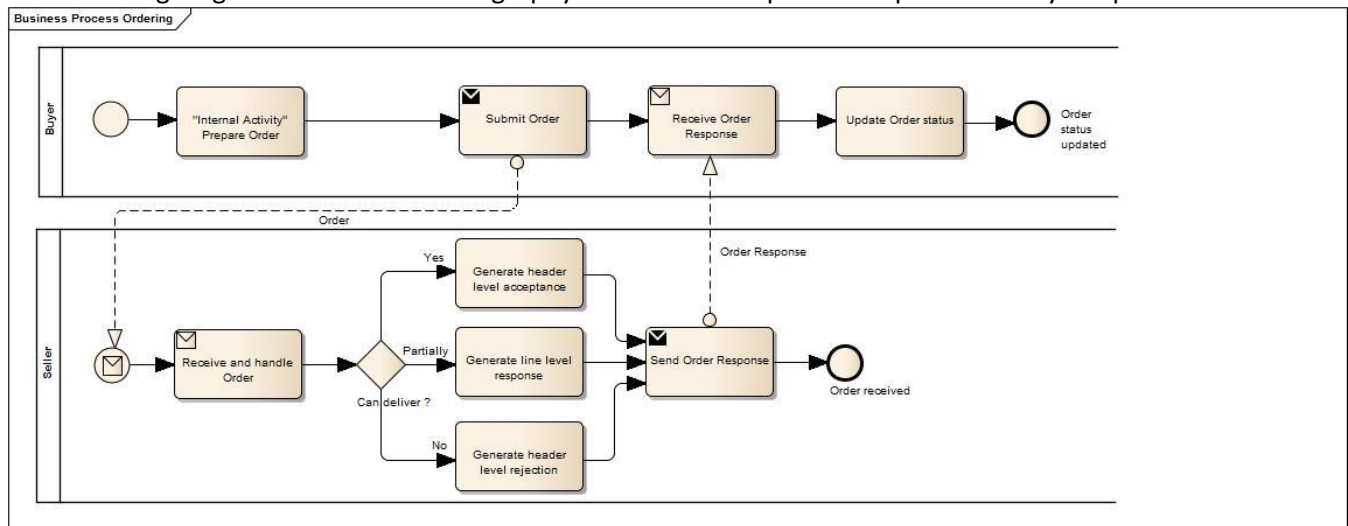
8.4 Use case 1 – Ordering of numbered items/articles

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.

8.5 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.

8.6 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.

8.7 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.

9   Description of selected parts of the messages

9.1   Order message

9.1.1   Parties

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

9.1.1.1   *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:

```xml
<cac:SellerSupplierParty>
    <cac:Party>
        <cbc:EndpointID schemeID="NO:ORGNR">965678996</cbc:EndpointID>
        <cac:PartyIdentification>
            <cbc:ID schemeID="GLN">5790000435951</cbc:ID>
        </cac:PartyIdentification>
        <cac:PartyName>
            <cbc:Name>The Sellercompany AS</cbc:Name>
        </cac:PartyName>
        <cac:PostalAddress>
            <cbc:StreetName>Address line 1</cbc:StreetName>
            <cbc:AdditionalStreetName>Address Line 2</cbc: cbc:AdditionalStreetName >
            <cbc:CityName>BERGEN</cbc:CityName>
            <cbc:PostalZone>5000</cbc:PostalZone>
            <cbc:CountrySubentity>Region B</cbc: cbc:CountrySubentity >
            <cac:Country>
                <cbc:IdentificationCode listID="ISO3166-1:Alpha2">NO</cbc:IdentificationCode>
            </cac:Country>
        </cac:PostalAddress>
        <cac:Contact>
            <cbc:Name>Doe, John</cbc:Name>
            <cbc:Telephone>915043212</cbc:Telephone>
            <cbc:Telefax>915043213</cbc:Telefax>
            <cbc:ElectronicMail>john.doe@sellercompany.no</cbc:ElectronicMail>
        </cac:Contact>
    </cac:Party>
</cac:SellerSupplierParty>
```

9.1.1.2   *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:

```xml
<cac:BuyerCustomerParty>
    <cac:Party>
        <cbc:EndpointID schemeID="NO:ORGNR">984661185</cbc:EndpointID>
        <cac:PartyIdentification>
            <cbc:ID schemeID="GLN">5790000435944</cbc:ID>
        </cac:PartyIdentification>
        <cac:PartyName>
            <cbc:Name>The Buyercompany</cbc:Name>
        </cac:PartyName>
```

```xml
          <cac:PostalAddress>
            <cbc:StreetName>Address line 1</cbc:StreetName>
            <cbc:AdditionalStreetName>Address Line 2</cbc: cbc:AdditionalStreetName >
            <cbc:CityName>OSLO</cbc:CityName>
            <cbc:PostalZone>0185</cbc:PostalZone>
            <cbc:CountrySubentity>Region A</cbc: cbc:CountrySubentity >
            <cac:Country>
              <cbc:IdentificationCode listID="ISO3166-1:Alpha2">NO</cbc:IdentificationCode>
            </cac:Country>
          </cac:PostalAddress>
          <cac:PartyTaxScheme>
              <cbc:CompanyID>984661185MVA</cbc:CompanyID>
              <cac:TaxScheme>
                 <cbc:ID>VAT</cbc:ID>
              </cac:TaxScheme>
          </cac:PartyTaxScheme>
          </cac:PartyLegalEntity>
              </cbc:RegistrationName>The BuyerCompany ASA</cbc:RegistrationName>
              </cbc:CompanyID>984661185</cbc:CompanyID>
              <cac:RegistrationAddress>
                 <cbc:CityName>Oslo</cbc:CityName>
                 <cac:Country>
                        <cbc:IdentificationCode listID="ISO3166-1:Alpha2">NO</cbc:IdentificationCode>
                 </cac:Country>
              </cac:RegistrationAddress>
          </cac:PartyLegalEntity>
          <cac:Contact>
           <cbc:ID>3150bdn </cbc:ID>
           <cbc:Name>Johansen, Pat</cbc:Name>
           <cbc:Telephone>91508465</cbc:Telephone>
           <cbc:Telefax>91508466</cbc:Telefax>
           <cbc:ElectronicMail>pat.johansen@buyercompany.no</cbc:ElectronicMail>
        </cac:Contact>
      </cac:Party>
  </cac:BuyerCustomerParty>
```

9.1.1.3   OriginatorCustomerParty (Originator)

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

Example:

```xml
<cac:OriginatorCustomerParty>
    <cac:Party>
      <cac:PartyName>
        <cbc:Name>Purchasing department</cbc:Name>
      </cac:PartyName>
      <cac:Contact>
        <cbc:Name>Smith, John</cbc:Name>
        <cbc:Telephone>92005761</cbc:Telephone>
        <cbc:Telefax>92005762</cbc:Telefax>
        <cbc:ElectronicMail>john.smith@sellercompany.no</cbc:ElectronicMail>
      </cac:Contact>
    </cac:Party>
  </cac:OriginatorCustomerParty>
```

9.1.1.4   AccountingCustomerParty (Invoicee)

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

Example:
```
<cac:AccountingCustomerParty>
        <cac:Party>
                <cbc:EndpointID schemeID="SE:ORGNR">5544332211</cbc:EndpointID>
                <cac:PartyIdentification>
                        <cbc:ID schemeID="SE:ORGNR">5544332211</cbc:ID>
                </cac:PartyIdentification>
                <cac:PartyName>
                        <cbc:Name>Swedish Hospitals</cbc:Name>
                </cac:PartyName>
                <cac:PostalAddress>
                        <cbc:StreetName>Main street 4</cbc:StreetName>
                        <cbc:AdditionalStreetName>Back door</cbc:AdditionalStreetName>
                        <cbc:CityName>Eurocity</cbc:CityName>
                        <cbc:PostalZone>11155</cbc:PostalZone>
                        <cbc:CountrySubentity>Region A</cbc:CountrySubentity>
                        <cac:Country>
                        <cbc:IdentificationCode listID="ISO3166-1:Alpha2">SE</cbc:IdentificationCode>
                        </cac:Country>
                </cac:PostalAddress>
                <cac:PartyTaxScheme>
                        <cbc:CompanyID>SE554127771101</cbc:CompanyID>
                        <cac:TaxScheme>
                                <cbc:ID>VAT</cbc:ID>
                        </cac:TaxScheme>
                </cac:PartyTaxScheme>
                <cac:PartyLegalEntity>
                        <cbc:RegistrationName>Swedish Hospitals AB</cbc:RegistrationName>
                        <cbc:CompanyID>5544332211</cbc:CompanyID>
                        <cac:RegistrationAddress>
                                <cbc:CityName>Stockholm</cbc:CityName>
                                <cac:Country>
                                <cbc:IdentificationCode listID="ISO3166-1:Alpha2">SE</cbc:IdentificationCode>
                                </cac:Country>
                        </cac:RegistrationAddress>
                </cac:PartyLegalEntity>
        </cac:Party>
</cac:AccountingCustomerParty>
```

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

9.1.2   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 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
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>
```

9.1.3   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>
```

9.1.4   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>
```

9.1.5 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>
```

9.1.6 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>
```

9.1.7 Allowances and charges

9.1.7.1 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

9.1.7.2   Allowance and Charges on header level.
This example shows a charge related to packing costs:

```
<cac:AllowanceCharge>
        <cbc:ChargeIndicator>true</cbc:ChargeIndicator>
        <cbc:AllowanceChargeReason>Packing cost</cbc:AllowanceChargeReason>
        <cbc:Amount currencyID="EUR">100.00</cbc:Amount>
</cac:AllowanceCharge>
```

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

```
<cac:AllowanceCharge>
        <cbc:ChargeIndicator>false</cbc:ChargeIndicator>
        <cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>
        <cbc:Amount currencyID="EUR">100.00</cbc:Amount>
</cac:AllowanceCharge>
```

9.1.7.3   Allowance and Charges related to price

This example shows a discount of EUR 10:

```
<cac:AllowanceCharge>
        <cbc:ChargeIndicator>false</cbc:ChargeIndicator>
        <cbc:AllowanceChargeReason>Discount</cbc:AllowanceChargeReason>
        <cbc:Amount currencyID="EUR">10.00</cbc:Amount>
        <cbc:BaseAmount currencyID="EUR">100.00</cbc:BaseAmount>
</cac:AllowanceCharge>
```

9.1.8   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

9.1.8.1 Example of calculations:

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

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

```
<cac:AnticipatedlMonetaryTotal>
        <cbc:LineExtensionAmount currencyID="EUR">1436.50</cbc:LineExtensionAmount>
        <cbc:TaxExclusiveAmount currencyID="EUR">1536.50</cbc:TaxExclusiveAmount>
        <cbc:TaxInclusiveAmount currencyID="EUR">1921</cbc:TaxInclusiveAmount>
        <cbc:AllowanceTotalAmount currencyID="EUR">100</cbc:AllowanceTotalAmount>
        <cbc:ChargeTotalAmount currencyID="EUR">200</cbc:ChargeTotalAmount>
        <cbc:PrepaidAmount currencyID="EUR">1000</cbc:PrepaidAmount>
        <cbc:PayableRoundingAmount currencyID="EUR">0.37</cbc:PayableRoundingAmount>
        <cbc:PayableAmount currencyID="EUR">921.00</cbc:PayableAmount>
</cac:AnticipatedMonetaryTotal>
```

9.1.8.2 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.

9.1.9 Tax total

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

Header level:
```
<cac:TaxTotal>
   <cbc:TaxAmount currencyID="EUR">5</cbc:TaxAmount>
 </cac:TaxTotal>
```

Line level:
```
<cac:LineItem>
    <cbc:ID>1</cbc:ID>
    <cbc:Quantity unitCode="NAR">50</cbc:Quantity>
    <cbc:LineExtensionAmount currencyID="EUR">50</cbc:LineExtensionAmount>
    <cbc:TotalTaxAmount currencyID="EUR">5</cbc:TotalTaxAmount>
       …
```

9.2 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.
- ▸ If Seller accepts or rejects order lines, all order lines must be sent in the Order response.
- ▸ 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:
  - o Quantity
  - o Delivery period
  - o Replacement item
  - o Price
- ▸ If the Order is rejected or changed, the Order response may contain contact information to Seller.

9.2.1 Response code

The Response code states the Sellers ability to fulfill the order and must be sent on both header level and line level if lines are sent.

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 3 values: 27, 29 and 30.

Response code on Header level:

Response code	Action
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>
….
```

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>
        ….
```

9.2.2   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>
        ….
```

9.2.3   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>
```

```xml
<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>
```

10 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:

10.1 Party Identifiers

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

Examples of usage in PartyIdentification:

```
<cac:PartyIdentification>
        <cbc:ID schemeID="GLN">5790000435968</cbc:ID>
</cac:PartyIdentification>
```

The following examples denote that the Issuing Agency is DK:CVR in the PEPPOL set of Issuing Agency Codes. This means that the party has the Danish CVR identifier DK87654321.

Examples of usage in PartyIdentification and Endpoint ID:

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

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

10.2 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>
```

10.3 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

10.4 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|ext
ended|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:
urn:www.cenbii.eu:transaction:biitrns001:ver2.0**:extended:**urn:www.peppol.eu:bis:peppol28a:ver1.0 (Order)
urn:www.cenbii.eu:transaction:biitrns076:ver2.0**:extended:**urn:www.peppol.eu:bis:peppol28a:ver1.0 (Order Response)

Example of usage (Order):

<cbc:CustomizationID>
urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0
</cbc:CustomizationID>

10.5 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

11 XML Schema Guideline and information content

11.1 Order message

11.1.1 Structure

Occurrence	Element/Attribute	BII Business Term	Bus. req.
	Order		
1 .. 1	cbc:UBLVersionID	UBL Version	
1 .. 1	cbc:CustomizationID	Customization identifier	tir01-001
1 .. 1	cbc:ProfileID	Profile identifier	tir01-002
1 .. 1	cbc:ID	Order identifier	tir01-003
1 .. 1	cbc:IssueDate	Order issue date	tir01-004
0 .. 1	cbc:IssueTime	Order issue time	tir01-005
0 .. 1	cbc:OrderTypeCode	Consignment order indication	tir01-153
0 .. 1	cbc:Note	Document level textual note	tir01-006
1 .. 1	cbc:DocumentCurrencyCode	Currency	tir01-007
0 .. 1	cbc:AccountingCost	Buyers accounting string	tir01-008
0 .. 1	cac:ValidityPeriod		
0 .. 1	cbc:EndDate	Order validity end date	tir01-009
0 .. 1	cac:QuotationDocumentReference		
1 .. 1	cbc:ID	Quotation document reference	tir01-010
0 .. 1	cac:OrderDocumentReference		
1 .. 1	cbc:ID	Order document reference	tir01-011
0 .. 1	cac:OriginatorDocumentReference		
1 .. 1	cbc:ID	Originator document reference	tir01-012
0 .. 1	cbc:DocumentType	Originator document description	tir01-013
0 .. unbounded	cac:AdditionalDocumentReference		
1 .. 1	cbc:ID	Document identifier	tir01-154
0 .. 1	cbc:DocumentType	Document description	tir01-016
0 .. 1	cac:Attachment		
0 .. 1	cbc:EmbeddedDocumentBinaryObject	Attached binary object	tir01-017
0 .. 1	cac:ExternalReference		
1 .. 1	cbc:URI	External document URI	tir01-018
0 .. 1	cac:Contract		
1 .. 1	cbc:ID	Reference identifier	tir01-019
0 .. 1	cbc:ContractType	Reference type	tir01-020
1 .. 1	cac:BuyerCustomerParty		
1 .. 1	cac:Party		
0 .. 1	cbc:EndpointID	Buyer party endpoint identifier	tir01-021
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Buyer party identification	tir01-022
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name		
0 .. 1	cac:PostalAddress		
0 .. 1	cbc:StreetName	Address line 1	tir01-032
0 .. 1	cbc:AdditionalStreetName	Address line 2	tir01-027
0 .. 1	cbc:CityName	City	tir01-031
0 .. 1	cbc:PostalZone	Post code	tir01-024
0 .. 1	cbc:CountrySubentity	Country subdivision	tir01-141
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Country code	tir01-033
0 .. 1	cac:PartyTaxScheme		
1 .. 1	cbc:CompanyID	Buyer VAT identifier	tir01-034
1 .. 1	cac:TaxScheme		
1 .. 1	cbc:ID	Identifier	
0 .. 1	cac:PartyLegalEntity		
0 .. 1	cbc:RegistrationName	Buyers legal registration name	tir01-044
0 .. 1	cbc:CompanyID	Buyers legal registration identifier	tir01-043
0 .. 1	cac:RegistrationAddress		
0 .. 1	cbc:CityName	Buyers legal registration address city	tir01-045

Occurrence	Element/Attribute	BII Business Term	Bus. req.
	Name		
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Buyers legal registration address	tir01-046
	country code		
0 .. 1	cac:Contact		
0 .. 1	cbc:ID	Contact identifier	OP-T01-010
0 .. 1	cbc:Name	Contact person name	tir01-050
0 .. 1	cbc:Telephone	Contact telephone number	tir01-047
0 .. 1	cbc:Telefax	Contact fax number	tir01-048
0 .. 1	cbc:ElectronicMail	Contact email address	tir01-049
1 .. 1	cac:SellerSupplierParty		
1 .. 1	cac:Party		
0 .. 1	cbc:EndpointID	Seller party endpoint identifier	tir01-058
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Seller party identification	tir01-059
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Seller party name	tir01-060
0 .. 1	cac:PostalAddress		
0 .. 1	cbc:StreetName	Address line 1	tir01-063
0 .. 1	cbc:AdditionalStreetName	Address line 2	tir01-064
0 .. 1	cbc:CityName	City	tir01-065
0 .. 1	cbc:PostalZone	Post code	tir01-068
0 .. 1	cbc:CountrySubentity	Country subdivision	tir01-142
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Country code	tir01-069
0 .. 1	cac:Contact		
0 .. 1	cbc:Name	Contact person name	tir01-074
0 .. 1	cbc:Telephone	Contact telephone number	tir01-077
0 .. 1	cbc:Telefax	Contact fax number	tir01-075
0 .. 1	cbc:ElectronicMail	Contact email address	tir01-076
0 .. 1	cac:OriginatorCustomerParty		
1 .. 1	cac:Party		
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Originator identifier	tir01-081
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Originator name	tir01-082
0 .. 1	cac:Contact		
0 .. 1	cbc:Name	Contact person name	tir01-086
0 .. 1	cbc:Telephone	Contact telephone number	tir01-083
0 .. 1	cbc:Telefax	Contact fax number	tir01-084
0 .. 1	cbc:ElectronicMail	Contact email address	tir01-085
0 .. 1	cac:AccountingCustomerParty		
1 .. 1	cac:Party		
0 .. 1	cbc:EndpointID	Endpoint identifier	tir01-157
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Party identification	tir01-156
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Party name	tir01-155
0 .. 1	cac:PostalAddress		
0 .. 1	cbc:StreetName	Address line 1	OP-T01-010
0 .. 1	cbc:AdditionalStreetName	Address line 2	OP-T01-010
0 .. 1	cbc:CityName	City	OP-T01-010
0 .. 1	cbc:PostalZone	Post code	OP-T01-010
0 .. 1	cbc:CountrySubentity	Country subdivision	OP-T01-010
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Country	OP-T01-010

Occurrence	Element/Attribute	BII Business Term	Bus. req.
0 .. 1	cac:PartyTaxScheme		
1 .. 1	cbc:CompanyID	Invoicee VAT identifier	OP-T01-010
1 .. 1	cac:TaxScheme		
1 .. 1	cbc:ID	Identifier	OP-T01-010
0 .. 1	cac:PartyLegalEntity		
0 .. 1	cbc:RegistrationName	Legal registration name	tir01-159
0 .. 1	cbc:CompanyID	Company ID	tir01-158
0 .. 1	cac:RegistrationAddress		
0 .. 1	cbc:CityName	City name	tir01-160
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Country code	tir01-161
0 .. 1	cac:Contact		
0 .. 1	cbc:ID	Contact identifier	OP-T01-010
0 .. 1	cac:Delivery		
0 .. 1	cac:DeliveryLocation		
0 .. 1	cac:Address		
0 .. 1	cbc:ID	Delivery location ID	tir01-169
0 .. 1	cbc:StreetName	Address line 1	tir01-092
0 .. 1	cbc:AdditionalStreetName	Address line 2	tir01-093
0 .. 1	cbc:CityName	City	tir01-096
0 .. 1	cbc:PostalZone	Post code	tir01-097
0 .. 1	cbc:CountrySubentity	Country subdivision	tir01-144
0 .. 1	cac:Country		
1 .. 1	cbc:IdentificationCode	Country code	tir01-098
0 .. 1	cac:RequestedDeliveryPeriod		
0 .. 1	cbc:StartDate	Period start date	tir01-099
0 .. 1	cbc:EndDate	Period end date	tir01-100
0 .. 1	cac:DeliveryParty		
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Delivery party ID	tir01-101
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Delivery party name	tir01-102
0 .. 1	cac:Contact		
0 .. 1	cbc:Name	Contact person name	tir01-103
0 .. 1	cbc:Telephone	Contact telephone number	tir01-104
0 .. 1	cbc:Telefax	Contact fax number	tir01-105
0 .. 1	cbc:ElectronicMail	Contact email address	tir01-106
0 .. 1	cac:DeliveryTerms		
0 .. 1	cbc:ID	Delivery terms	tir01-107
0 .. 1	cbc:SpecialTerms	Delivery special terms	tir01-108
0 .. 1	cac:DeliveryLocation		
0 .. 1	cbc:ID	Delivery terms location	tir01-109
0 .. 1	cac:PaymentTerms		
0 .. 1	cbc:Note	Payment terms	OP-T01-014
0 .. unbounded	cac:AllowanceCharge		
1 .. 1	cbc:ChargeIndicator	AllowanceChargeIndicator	
1 .. 1	cbc:AllowanceChargeReason	Allowance and charges reason	tir01-112
1 .. 1	cbc:Amount	Allowance and charge amount	tir01-113
0 .. 1	cac:TaxTotal		
1 .. 1	cbc:TaxAmount	VAT total amount	tir01-114
0 .. 1	cac:AnticipatedMonetaryTotal		
1 .. 1	cbc:LineExtensionAmount	Sum of line amounts	tir01-115
0 .. 1	cbc:TaxExclusiveAmount	Document total without VAT	tir01-145
0 .. 1	cbc:TaxInclusiveAmount	Document total including VAT	tir01-147
0 .. 1	cbc:AllowanceTotalAmount	Sum of allowances on document	tir01-116
	level		

Occurrence	Element/Attribute	BII Business Term	Bus. req.
0 .. 1	—cbc:ChargeTotalAmount	Sum of charges on document level	tir01-117
0 .. 1	—cbc:PrepaidAmount	Paid amounts	tir01-148
0 .. 1	—cbc:PayableRoundingAmount	Rounding of document total	tir01-146
1 .. 1	—cbc:PayableAmount	Amount for payment	tir01-118
1 .. unbounded	**cac:OrderLine**		
0 .. 1	—cbc:Note	Order line note	tir01-123
1 .. 1	**cac:LineItem**		
1 .. 1	—cbc:ID	Document line identifier	tir01-120
1 .. 1	—cbc:Quantity	Ordered quantity	tir01-132
0 .. 1	—cbc:LineExtensionAmount	Order line amount	tir01-128
0 .. 1	—cbc:TotalTaxAmount	Order line tax amount	tir01-129
0 .. 1	—cbc:PartialDeliveryIndicator	Partial Delivery Allowed Indicator	tir01-124
0 .. 1	—cbc:AccountingCost	Buyers accounting string	tir01-125
0 .. 1	**cac:Delivery**		
0 .. 1	**cac:RequestedDeliveryPeriod**		
0 .. 1	—cbc:StartDate	Period start date	tir01-126
0 .. 1	—cbc:EndDate	Period end date	tir01-127
0 .. 1	**cac:OriginatorParty**		
0 .. 1	**cac:PartyIdentification**		
1 .. 1	—cbc:ID	Order line originator party ID	tir01-121
0 .. 1	**cac:PartyName**		
1 .. 1	—cbc:Name	Order line originator party name	tir01-122
0 .. 1	**cac:Price**		
1 .. 1	—cbc:PriceAmount	Iitem price	tir01-130
0 .. 1	—cbc:BaseQuantity	Item price base quantity	tir01-131
0 .. 1	**cac:AllowanceCharge**		
1 .. 1	—cbc:ChargeIndicator	AllowanceChargeIndicator	
1 .. 1	—cbc:Amount	Amount	
0 .. 1	—cbc:BaseAmount	Item list price	tir01-152
1 .. 1	**cac:Item**		
0 .. 1	—cbc:Description	Item description as text	tir01-133
0 .. 1	—cbc:Name	Item name	tir01-134
0 .. 1	**cac:SellersItemIdentification**		
1 .. 1	—cbc:ID	Item sellers identifier	tir01-135
0 .. 1	**cac:StandardItemIdentification**		
1 .. 1	—cbc:ID	Item standard identifier	tir01-136
0 .. unbounded	**cac:ItemSpecificationDocumentReference**		
1 .. 1	—cbc:ID	Document reference	OP-T01-012
0 .. unbounded	**cac:CommodityClassification**		
1 .. 1	—cbc:ItemClassificationCode	Item commodity classification	tir01-149
0 .. 1	**cac:ClassifiedTaxCategory**		
1 .. 1	—cbc:ID	Item VAT category code	tir01-150
0 .. 1	—cbc:Percent	Item VAT rate	tir01-170
1 .. 1	**cac:TaxScheme**		
1 .. 1	—cbc:ID	Identifier	
0 .. unbounded	**cac:AdditionalItemProperty**		
1 .. 1	—cbc:Name	Name	tir01-138
1 .. 1	—cbc:Value	Value	tir01-139
0 .. 1	—cbc:ValueQuantity	Quantity	OP-T01-013
0 .. 1	—cbc:ValueQualifier	Qualification of qty	OP-T01-013

11.1.2 Details

Element/Attribute	Description		Usage	
Order	**Type**	OrderType		
—cbc:UBLVersionID	**Occurence**	1 .. 1	**Term name**	**UBL Version**
	Type	cbc:UBLVersionIDType	**BII Usage**	*The version of UBL the message is based on (2.1)*
	Info req.ID	2		
	Example	2.1		
—cbc:CustomizationID	**Occurence**	1 .. 1	**Term name**	**Customization identifier**
	Type	cbc:CustomizationIDType	**BII Usage**	*Identifies the specification of content and rules that apply to the*
	Info req.ID	tir01-001	*transaction.*	
	Bus req.ID	tbr01-001		
	Example	urn:www.cenbii.eu:transaction:biitrns001:ver2.0: extended:urn:www.peppol.eu:bis:peppol28a:ver1.0	**Rules**	BII2-T01-R001 - An order MUST have a customization identifier
—cbc:ProfileID	**Occurence**	1 .. 1	**Term name**	**Profile identifier**
	Type	cbc:ProfileIDType	**BII Usage**	*Identifies the BII profile or business process context in which the*
	Info req.ID	tir01-002	*transaction appears.*	
	Bus req.ID	tbr01-001		
	Example	urn:www.cenbii.eu:profile:bii28:ver2.0	**Rules**	BII2-T01-R002 - An order MUST have a profile identifier
—cbc:ID	**Occurence**	1 .. 1	**Term name**	**Order identifier**
	Type	cbc:IDType	**BII Usage**	*A transaction instance must have an identifier. The identifier*
	Info req.ID	tir01-003	*enables referencing the transaction for various purposes such as*	
	Bus req.ID	tbr01-001	*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	**Term name**	**Order issue date**
	Type	cbc:IssueDateType	**BII Usage**	*The date on which the transaction instance was issued.*
	Info req.ID	tir01-004		
	Bus req.ID	tbr01-002	**Rules**	BII2-T01-R004 - An order MUST have a document issue date
—cbc:IssueTime	**Occurence**	0 .. 1	**Term name**	**Order issue time**
	Type	cbc:IssueTimeType	**BII Usage**	*The time assigned by the buyer on which the order was issued.*
	Info req.ID	tir01-005		
	Bus req.ID	tbr01-002		
—cbc:OrderTypeCode	**Occurence**	0 .. 1	**Term name**	**Consignment order indication**
	Type	cbc:OrderTypeCodeType	**BII Usage**	*"Indicates wether the order is a purchase order or consignment*
	Info req.ID	tir01-153	*order. Default is purchase order.*	
	Bus req.ID	tbr01-002		
			Rules	Only to be used for Consignment orders, Code=227. EUGEN-T01-R013 An order type code MUST have a list identifier attribute "UNCL1001". OP-T01-001 OrderTypeCode in an order MUST be from UN/ECE 1001 code list PEPPOL Subset
—*listID*	*Type*	*xs:normalizedString*	*Code List ID:*	*UNCL1001*
	Use	*required*		

Element/Attribute	Description		Usage	
cbc:Note	**Occurence**	0 .. 1	**Term name**	**Document level textual note**
	Type	cbc:NoteType	**BII Usage**	*Free form text applying to the Order. This element may contain*
	Info req.ID	tir01-006	*notes or any other similar information that is not contained*	
	Bus req.ID	tbr01-003	*explicitly in another structure.*	
cbc:DocumentCurrencyCode	**Occurence**	1 .. 1	**Term name**	**Currency**
	Type	cbc:DocumentCurrencyCodeType	**BII Usage**	*The default currency for the order.*
	Info req.ID	tir01-007		
	Bus req.ID	tbr01-004	**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*	*Rules* OP-T01-002 - The document currency code list identifier MUST	
	Use	*required*	*be "ISO4217"*	
			Code List ID: *ISO4217*	
cbc:AccountingCost	**Occurence**	0 .. 1	**Term name**	**Buyers accounting string**
	Type	cbc:AccountingCostType	**BII Usage**	*Used by the buyer to specify a reference that should be repeated*
	Info req.ID	tir01-008	*in e.g. invoice to enable the buyer to automatically book e.g. to*	
	Bus req.ID	tbr01-005	*the right project, or account.*	
cac:ValidityPeriod	**Occurence**	0 .. 1		
	Type	cac:PeriodType		
cbc:EndDate	**Occurence**	0 .. 1	**Term name**	**Order validity end date**
	Type	cbc:EndDateType	**BII Usage**	*The end date for when the order is valid. The end date for the*
	Info req.ID	tir01-009	*time period within which the seller must respond.*	
	Bus req.ID	tbr01-002		
			Rules BII2-T01-R005 - An order MUST provide information about its	
			validity end date	
cac:QuotationDocumentReference	**Occurence**	0 .. 1		
	Type	cac:DocumentReferenceType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Quotation document reference**
	Type	cbc:IDType	**BII Usage**	*A requirement to give a unique reference to the quotation that is*
	Info req.ID	tir01-010	*the base for the order.*	
	Bus req.ID	tbr01-006		
cac:OrderDocumentReference	**Occurence**	0 .. 1		
	Type	cac:DocumentReferenceType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Order document reference**
	Type	cbc:IDType	**BII Usage**	*Used to reference the initial order that was rejected and a new*
	Info req.ID	tir01-011	*order is issued.*	
	Bus req.ID	tbr01-006		
cac:OriginatorDocumentReference	**Occurence**	0 .. 1		
	Type	cac:DocumentReferenceType		

Element/Attribute	Description		Usage	
cbc:ID	Occurence	1 .. 1	Term name	Originator document reference
	Type	cbc:IDType	BII Usage	*A reference to Originator Document. To be able to give a*
	Info req.ID	tir01-012		*reference to the internal requesition on the buyer site on which*
	Bus req.ID	tbr01-006		*the order is based.*
cbc:DocumentType	Occurence	0 .. 1	Term name	Originator document description
	Type	cbc:DocumentTypeType	BII Usage	*Originator document description.*
	Info req.ID	tir01-013		
	Bus req.ID	tbr01-006		
cac:AdditionalDocumentReference	Occurence	0 .. unbounded		
	Type	cac:DocumentReferenceType		
cbc:ID	Occurence	1 .. 1	Term name	Document identifier
	Type	cbc:IDType	BII Usage	*An identifier for the referenced document.*
	Info req.ID	tir01-154		
	Bus req.ID	tbr01-006		
cbc:DocumentType	Occurence	0 .. 1	Term name	Document description
	Type	cbc:DocumentTypeType	BII Usage	*A short description of the document type.*
	Info req.ID	tir01-016		
	Bus req.ID	tbr01-006		
cac:Attachment	Occurence	0 .. 1		
	Type	cac:AttachmentType		
cbc:EmbeddedDocumentBinaryObject	Occurence	0 .. 1	Term name	Attached binary object
	Type	cbc:EmbeddedDocumentBinaryObjectType	BII Usage	*The attached document embeded as binary object.*
	Info req.ID	tir01-017		
	Bus req.ID	tbr01-006		
mimeCode	*Type*	*xs:normalizedString*	*Rules*	*OP-T01-003 - A Binary Object MIME code attribute MUST be*
	Use	*required*		*coded using MIME Code Type code list*
				Code List ID: MIMEMediaTypes
cac:ExternalReference	Occurence	0 .. 1		
	Type	cac:ExternalReferenceType		
cbc:URI	Occurence	1 .. 1	Term name	External document URI
	Type	cbc:URIType	BII Usage	*The Uniform Resource Identifier (URI) that identifies where the*
	Info req.ID	tir01-018		*external document is located.*
	Bus req.ID	tbr01-006		
cac:Contract	Occurence	0 .. 1		
	Type	cac:ContractType		
cbc:ID	Occurence	1 .. 1	Term name	Reference identifier
	Type	cbc:IDType	BII Usage	*Positive identification of the reference such as a unique identifier.*
	Info req.ID	tir01-019		
	Bus req.ID	tbr01-006		
cbc:ContractType	Occurence	0 .. 1	Term name	Reference type
	Type	cbc:ContractTypeType	BII Usage	*The short description of what is reference such as contract type,*
	Info req.ID	tir01-020		*document type , meter etc.*
	Bus req.ID	tbr01-006		*The type of Contract, expressed as text.*

Element/Attribute	Description		Usage	
cac:BuyerCustomerParty	**Occurence** **Type**	1 **..** 1 cac:CustomerPartyType		
cac:Party	**Occurence** **Type**	1 **..** 1 cac:PartyType		
cbc:EndpointID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:EndpointIDType tir01-021 tbr01-010	**Term name** **BII Usage** **Rules**	**Buyer party endpoint identifier** *Identifies the end point of the routing service.* EUGEN-T01-R011 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *Code List ID:*	*OP-T01-004 - An Enpoint Identifier Scheme MUST be from the code list PEPPOL:PartyIdentifier* *PEPPOL:PartyIdentifier*
cac:PartyIdentification	**Occurence** **Type**	0 **..** 1 cac:PartyIdentificationType		
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 **..** 1 cbc:IDType tir01-022 tbr01-009	**Term name** **BII Usage** **Rules**	**Buyer party identification** *An identification for the buyer party.* 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* *Use*	*xs:normalizedString* *required*	*Rules* *Code List ID:*	*OP-T01-005 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.* *PEPPOL:PartyIdentifier*
cac:PartyName	**Occurence** **Type**	0 **..** 1 cac:PartyNameType		
cbc:Name	**Occurence** **Type**	1 **..** 1 cbc:NameType		
cac:PostalAddress	**Occurence** **Type**	0 **..** 1 cac:AddressType		
cbc:StreetName	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:StreetNameType tir01-032 tbr01-009	**Term name** **BII Usage**	**Address line 1** *The main address line in a postal address usually the street name and number.*
cbc:AdditionalStreetName	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:AdditionalStreetNameType tir01-027 tbr01-009	**Term name** **BII Usage**	**Address line 2** *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** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:CityNameType tir01-031 tbr01-009	**Term name** **BII Usage**	**City** *The common name of the city where the postal address is. The name is written in full rather than as a code.*

Element/Attribute	Description		Usage	
cbc:PostalZone	**Occurence**	0 .. 1	**Term name**	**Post code**
	Type	cbc:PostalZoneType	**BII Usage**	*The identifier for an addressable group of properties according to*
	Info req.ID	tir01-024	*the relevant national postal service, such as a ZIP code or Post*	
	Bus req.ID	tbr01-009	*Code.*	
cbc:CountrySubentity	**Occurence**	0 .. 1	**Term name**	**Country subdivision**
	Type	cbc:CountrySubentityType	**BII Usage**	*For specifying a region, county, state, province etc. within a*
	Info req.ID	tir01-141	*country by using text.*	
	Bus req.ID	tbr01-009		
cac:Country	**Occurence**	0 .. 1		
	Type	cac:CountryType		
cbc:IdentificationCode	**Occurence**	1 .. 1	**Term name**	**Country code**
	Type	cbc:IdentificationCodeType	**BII Usage**	*The country where the address is. The country should always be*
	Info req.ID	tir01-033	*given by using ISO code 3166 alpha 2*	
	Bus req.ID	tbr01-009		
			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	Code List ID:	ISO3166-1:Alpha2
	Use	required		
cac:PartyTaxScheme	**Occurence**	0 .. 1		
	Type	cac:PartyTaxSchemeType		
cbc:CompanyID	**Occurence**	1 .. 1	**Term name**	**Buyer VAT identifier**
	Type	cbc:CompanyIDType	**BII Usage**	*The buyers registered Value Added Tax identifier. To be stated in*
	Info req.ID	tir01-034	*case reverse charge is to apply to the purchase.*	
	Bus req.ID	tbr01-011		
schemeID	*Type*	xs:normalizedString	Rules	OP-T01-005 - A Party Identifier Scheme MUST be from the list of
	Use	optional	PEPPOL Party Identifiers.	
			Code List ID:	PEPPOL:PartyIdentifier
cac:TaxScheme	**Occurence**	1 .. 1		
	Type	cac:TaxSchemeType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Identifier**
	Type	cbc:IDType	**BII Usage**	*Code for TaxScheme. VAT is the only allowed value*
	Info req.ID	3		
	Example	VAT		
cac:PartyLegalEntity	**Occurence**	0 .. 1		
	Type	cac:PartyLegalEntityType		
cbc:RegistrationName	**Occurence**	0 .. 1	**Term name**	**Buyers legal registration name**
	Type	cbc:RegistrationNameType	**BII Usage**	*The official name of the party as registered with the relevant fiscal*
	Info req.ID	tir01-044	*authority.*	
	Bus req.ID	tbr01-012		

Element/Attribute	Description		Usage	
cbc:CompanyID	Occurence	0 .. 1	Term name	Buyers legal registration identifier
	Type	cbc:CompanyIDType	BII Usage	*Identifies a company as registered with the company registration*
	Info req.ID	tir01-043	*scheme.*	
	Bus req.ID	tbr01-012		
	Example	931186755		
schemeID	Type	xs:normalizedString	Rules	*OP-T01-005 - A Party Identifier Scheme MUST be from the list of*
	Use	optional	*PEPPOL Party Identifiers.*	
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:RegistrationAddress	Occurence	0 .. 1		
	Type	cac:AddressType		
cbc:CityName	Occurence	0 .. 1	Term name	Buyers legal registration address city name
	Type	cbc:CityNameType	BII Usage	*Associates with the registered address of the party within a*
	Info req.ID	tir01-045	*Corporate Registration Scheme. The name of a city, town, or*	
	Bus req.ID	tbr01-012	*village.*	
cac:Country	Occurence	0 .. 1		
	Type	cac:CountryType		
cbc:IdentificationCode	Occurence	1 .. 1	Term name	Buyers legal registration address country code
	Type	cbc:IdentificationCodeType	BII Usage	*Buyers legal registration address country ID*
	Info req.ID	tir01-046		
	Bus req.ID	tbr01-012	Rules	OP-T01-006 - Country codes in an order MUST be coded using
			ISO code list 3166-1	
listID	Type	xs:normalizedString	Code List ID:	*ISO3166-1:Alpha2*
	Use	required		
cac:Contact	Occurence	0 .. 1		
	Type	cac:ContactType		
cbc:ID	Occurence	0 .. 1	Term name	Contact identifier
	Type	cbc:IDType	BII Usage	*Reference to buyer contact, "Your ref."*
	Info req.ID	OP-T01-010		
cbc:Name	Occurence	0 .. 1	Term name	Contact person name
	Type	cbc:NameType	BII Usage	*The name of the contact person.*
	Info req.ID	tir01-050		
	Bus req.ID	tbr01-014		
cbc:Telephone	Occurence	0 .. 1	Term name	Contact telephone number
	Type	cbc:TelephoneType	BII Usage	*A phone number for the contact person. If the person has a direct*
	Info req.ID	tir01-047	*number, this is that number.*	
	Bus req.ID	tbr01-013		
cbc:Telefax	Occurence	0 .. 1	Term name	Contact fax number
	Type	cbc:TelefaxType	BII Usage	*A fax number for the contact persons.*
	Info req.ID	tir01-048		
	Bus req.ID	tbr01-013		
cbc:ElectronicMail	Occurence	0 .. 1	Term name	Contact email address
	Type	cbc:ElectronicMailType	BII Usage	*The e-mail address for the contact person. If the person has a*
	Info req.ID	tir01-049	*direct e-mail this is that email.*	
	Bus req.ID	tbr01-013		

Element/Attribute	Description		Usage	
cac:SellerSupplierParty	**Occurence**	1 **..** 1		
	Type	cac:SupplierPartyType		
cac:Party	**Occurence**	1 **..** 1		
	Type	cac:PartyType		
cbc:EndpointID	**Occurence**	0 **..** 1	**Term name**	**Seller party endpoint identifier**
	Type	cbc:EndpointIDType	**BII Usage**	*Identifies the end point of the routing service.*
	Info req.ID	tir01-058		
	Bus req.ID	tbr01-010	**Rules**	EUGEN-T01-R011 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T01-004 - An Enpoint Identifier Scheme MUST be from the code list PEPPOL:PartyIdentifier*
	Use	*required*		
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyIdentification	**Occurence**	0 **..** 1		
	Type	cac:PartyIdentificationType		
cbc:ID	**Occurence**	1 **..** 1	**Term name**	**Seller party identification**
	Type	cbc:IDType	**BII Usage**	*Identifies a party.*
	Info req.ID	tir01-059		
	Bus req.ID	tbr01-009	**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*	*Rules*	*OP-T01-005 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.*
	Use	*required*		
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyName	**Occurence**	0 **..** 1		
	Type	cac:PartyNameType		
cbc:Name	**Occurence**	1 **..** 1	**Term name**	**Seller party name**
	Type	cbc:NameType	**BII Usage**	*The name of the party.*
	Info req.ID	tir01-060		
	Bus req.ID	tbr01-017	**Rules**	BII2-T01-R022 - An order MUST have the seller party name or a seller party identifier
cac:PostalAddress	**Occurence**	0 **..** 1		
	Type	cac:AddressType		
cbc:StreetName	**Occurence**	0 **..** 1	**Term name**	**Address line 1**
	Type	cbc:StreetNameType	**BII Usage**	*The main address line in a postal address usually the street name and number.*
	Info req.ID	tir01-063		
	Bus req.ID	tbr01-017		
cbc:AdditionalStreetName	**Occurence**	0 **..** 1	**Term name**	**Address line 2**
	Type	cbc:AdditionalStreetNameType	**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.*
	Info req.ID	tir01-064		
	Bus req.ID	tbr01-017		
cbc:CityName	**Occurence**	0 **..** 1	**Term name**	**City**
	Type	cbc:CityNameType	**BII Usage**	*The common name of the city where the postal address is. The name is written in full rather than as a code.*
	Info req.ID	tir01-065		
	Bus req.ID	tbr01-017		

Element/Attribute	Description		Usage	
cbc:PostalZone	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:PostalZoneType tir01-068 tbr01-017	**Term name** **BII Usage**	**Post code** *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** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:CountrySubentityType tir01-142 tbr01-017	**Term name** **BII Usage**	**Country subdivision** *For specifying a region, county, state, province etc. within a country by using text.*
cac:Country	**Occurence** **Type**	0 **..** 1 cac:CountryType		
cbc:IdentificationCode	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 **..** 1 cbc:IdentificationCodeType tir01-069 tbr01-017	**Term name** **BII Usage** **Rules**	**Country code** *The country where the address is. The country should always be given by using ISO code 3166 alpha 2* 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* *Use*	*xs:normalizedString* *required*	*Code List ID:*	*ISO3166-1:Alpha2*
cac:Contact	**Occurence** **Type**	0 **..** 1 cac:ContactType		
cbc:Name	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:NameType tir01-074 tbr01-014	**Term name** **BII Usage**	**Contact person name** *The name of the contact person.*
cbc:Telephone	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:TelephoneType tir01-077 tbr01-014	**Term name** **BII Usage**	**Contact telephone number** *A phone number for the contact person. If the person has a direct number, this is that number.*
cbc:Telefax	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:TelefaxType tir01-075 tbr01-014	**Term name** **BII Usage**	**Contact fax number** *A fax number for the contact persons.*
cbc:ElectronicMail	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:ElectronicMailType tir01-076 tbr01-014	**Term name** **BII Usage**	**Contact email address** *The e-mail address for the contact person. If the person has a direct e-mail this is that email.*
cac:OriginatorCustomerParty	**Occurence** **Type**	0 **..** 1 cac:CustomerPartyType		
cac:Party	**Occurence** **Type**	1 **..** 1 cac:PartyType		
cac:PartyIdentification	**Occurence** **Type**	0 **..** 1 cac:PartyIdentificationType		

Element/Attribute	Description		Usage	
cbc:ID	Occurence	1 .. 1	Term name	Originator identifier
	Type	cbc:IDType	BII Usage	Identifies a party.
	Info req.ID	tir01-081		
	Bus req.ID	tbr01-0	Rules	EUGEN-T01-R012 - A party identifier MUST have a scheme identifier attribute
schemeID	Type	xs:normalizedString	Rules	OP-T01-005 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.
	Use	required	Code List ID:	PEPPOL:PartyIdentifier
cac:PartyName	Occurence	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	Occurence	1 .. 1	Term name	Originator name
	Type	cbc:NameType	BII Usage	The name of the party.
	Info req.ID	tir01-082		
	Bus req.ID	tbr01-0		
cac:Contact	Occurence	0 .. 1		
	Type	cac:ContactType		
cbc:Name	Occurence	0 .. 1	Term name	Contact person name
	Type	cbc:NameType	BII Usage	The name of the contact person.
	Info req.ID	tir01-086		
	Bus req.ID	tbr01-020		
cbc:Telephone	Occurence	0 .. 1	Term name	Contact telephone number
	Type	cbc:TelephoneType	BII Usage	A phone number for the contact person. If the person has a direct number, this is that number.
	Info req.ID	tir01-083		
	Bus req.ID	tbr01-020		
cbc:Telefax	Occurence	0 .. 1	Term name	Contact fax number
	Type	cbc:TelefaxType	BII Usage	A fax number for the contact persons.
	Info req.ID	tir01-084		
	Bus req.ID	tbr01-020		
cbc:ElectronicMail	Occurence	0 .. 1	Term name	Contact email address
	Type	cbc:ElectronicMailType	BII Usage	The e-mail address for the contact person. If the person has a direct e-mail this is that email.
	Info req.ID	tir01-085		
	Bus req.ID	tbr01-020		
cac:AccountingCustomerParty	Occurence	0 .. 1		
	Type	cac:CustomerPartyType		
cac:Party	Occurence	1 .. 1		
	Type	cac:PartyType		
cbc:EndpointID	Occurence	0 .. 1	Term name	Endpoint identifier
	Type	cbc:EndpointIDType	BII Usage	Identifies the end point of the routing service.
	Info req.ID	tir01-157		
			Rules	EUGEN-T01-R011 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	Type	xs:normalizedString	Rules	OP-T01-004 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.
	Use	required	Code List ID:	PEPPOL:PartyIdentifier
cac:PartyIdentification	Occurence	0 .. 1		

Element/Attribute	Description		Usage	
	Type	cac:PartyIdentificationType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Party identification**
	Type	cbc:IDType	**BII Usage**	*An identification for the invoicee party.*
	Info req.ID	tir01-156		
			Rules	EUGEN-T01-R012 - A party identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T01-005 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.*
	Use	*required*	*Code List ID:*	*PEPPOL:PartyIdentifier*
cac:PartyName	**Occurence**	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	**Occurence**	1 .. 1	**Term name**	**Party name**
	Type	cbc:NameType	**BII Usage**	*The name of the party who should be invoiced for the ordered items.*
	Info req.ID	tir01-155		
cac:PostalAddress	**Occurence**	0 .. 1		
	Type	cac:AddressType		
cbc:StreetName	**Occurence**	0 .. 1	**Term name**	**Address line 1**
	Type	cbc:StreetNameType	**BII Usage**	*The main address line in a postal address usually the street name and number.*
	Info req.ID	OP-T01-010		
	Example	The main address line in the postal address, usually the		
cbc:AdditionalStreetName	**Occurence**	0 .. 1	**Term name**	**Address line 2**
	Type	cbc:AdditionalStreetNameType	**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.*
	Info req.ID	OP-T01-010		
cbc:CityName	**Occurence**	0 .. 1	**Term name**	**City**
	Type	cbc:CityNameType	**BII Usage**	*The common name of the city where the postal address is. The name is written in full rather than as a code.*
	Info req.ID	OP-T01-010		
cbc:PostalZone	**Occurence**	0 .. 1	**Term name**	**Post code**
	Type	cbc:PostalZoneType	**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.*
	Info req.ID	OP-T01-010		
cbc:CountrySubentity	**Occurence**	0 .. 1	**Term name**	**Country subdivision**
	Type	cbc:CountrySubentityType	**BII Usage**	*For specifying a region, county, state, province etc. within a country by using text.*
	Info req.ID	OP-T01-010		
cac:Country	**Occurence**	0 .. 1		
	Type	cac:CountryType		

Element/Attribute	Description		Usage	
cbc:IdentificationCode	Occurence	1 .. 1	Term name	Country
	Type	cbc:IdentificationCodeType	BII Usage	*The country where the address is. The country should always be given by using ISO code 3166 alpha 2*
	Info req.ID	OP-T01-010		
			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*	*Code List ID:*	*ISO3166-1:Alpha2*
	Use	*required*		
cac:PartyTaxScheme	Occurence	0 .. 1		
	Type	cac:PartyTaxSchemeType		
cbc:CompanyID	Occurence	1 .. 1	Term name	Invoicee VAT identifier
	Type	cbc:CompanyIDType	BII Usage	*The invoicees registered Value Added Tax identifier*
	Info req.ID	OP-T01-010		
cac:TaxScheme	Occurence	1 .. 1		
	Type	cac:TaxSchemeType		
cbc:ID	Occurence	1 .. 1	Term name	Identifier
	Type	cbc:IDType	BII Usage	*Code for TaxScheme. VAT is the only allowed value*
	Info req.ID	OP-T01-010		
	Example	VAT		
cac:PartyLegalEntity	Occurence	0 .. 1		
	Type	cac:PartyLegalEntityType		
cbc:RegistrationName	Occurence	0 .. 1	Term name	Legal registration name
	Type	cbc:RegistrationNameType	BII Usage	*The official name of the party as registered with the relevant fiscal authority.*
	Info req.ID	tir01-159		
cbc:CompanyID	Occurence	0 .. 1	Term name	Company ID
	Type	cbc:CompanyIDType	BII Usage	*Identifies a company as registered with the company registration scheme.*
	Info req.ID	tir01-158		
cac:RegistrationAddress	Occurence	0 .. 1		
	Type	cac:AddressType		
cbc:CityName	Occurence	0 .. 1	Term name	City name
	Type	cbc:CityNameType	BII Usage	*Associates with the registered address of the party within a Corporate Registration Scheme. The name of a city, town, or village.*
	Info req.ID	tir01-160		
cac:Country	Occurence	0 .. 1		
	Type	cac:CountryType		

Element/Attribute	Description		Usage	
cbc:IdentificationCode	**Occurence**	1 .. 1	**Term name**	**Country code**
	Type	cbc:IdentificationCodeType	**BII Usage**	*Invoicee legal registration address country ID*
	Info req.ID	tir01-161		
			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*	*Code List ID:*	*ISO3166-1:Alpha2*
	Use	*required*		
cac:Contact	**Occurence**	0 .. 1		
	Type	cac:ContactType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Contact identifier**
	Type	cbc:IDType	**BII Usage**	*Reference to invoicee contact*
	Info req.ID	OP-T01-010		
cac:Delivery	**Occurence**	0 .. 1		
	Type	cac:DeliveryType		
cac:DeliveryLocation	**Occurence**	0 .. 1		
	Type	cac:LocationType		
cac:Address	**Occurence**	0 .. 1		
	Type	cac:AddressType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Delivery location ID**
	Type	cbc:IDType	**BII Usage**	*An identifer for the location to where the ordered items should be*
	Info req.ID	tir01-169	*delivered.*	
	Bus req.ID	tbr01-021		
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cbc:StreetName	**Occurence**	0 .. 1	**Term name**	**Address line 1**
	Type	cbc:StreetNameType	**BII Usage**	*The main address line in a postal address usually the street name*
	Info req.ID	tir01-092	*and number.*	
	Bus req.ID	tbr01-021		
cbc:AdditionalStreetName	**Occurence**	0 .. 1	**Term name**	**Address line 2**
	Type	cbc:AdditionalStreetNameType	**BII Usage**	*An additional address line in a postal address that can be used to*
	Info req.ID	tir01-093	*give further details supplementing the main line. Common use are*	
	Bus req.ID	tbr01-021	*secondary house number in a complex or in a building.*	
cbc:CityName	**Occurence**	0 .. 1	**Term name**	**City**
	Type	cbc:CityNameType	**BII Usage**	*The common name of the city where the postal address is. The*
	Info req.ID	tir01-096	*name is written in full rather than as a code.*	
	Bus req.ID	tbr01-021		
cbc:PostalZone	**Occurence**	0 .. 1	**Term name**	**Post code**
	Type	cbc:PostalZoneType	**BII Usage**	*The identifier for an addressable group of properties according to*
	Info req.ID	tir01-097	*the relevant national postal service, such as a ZIP code or Post*	
	Bus req.ID	tbr01-021	*Code.*	

Element/Attribute	Description		Usage	
cbc:CountrySubentity	Occurence	0 .. 1	Term name	Country subdivision
	Type	cbc:CountrySubentityType	BII Usage	*For specifying a region, county, state, province etc. within a*
	Info req.ID	tir01-144	*country by using text.*	
	Bus req.ID	tbr01-021		
cac:Country	Occurence	0 .. 1		
	Type	cac:CountryType		
cbc:IdentificationCode	Occurence	1 .. 1	Term name	Country code
	Type	cbc:IdentificationCodeType	BII Usage	*The country where the address is. The country should always be*
	Info req.ID	tir01-098	*given by using ISO code 3166 alpha 2*	
	Bus req.ID	tbr01-021		
			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	*Code List ID:*	*ISO3166-1:Alpha2*
	Use	required		
cac:RequestedDeliveryPeriod	Occurence	0 .. 1		
	Type	cac:PeriodType		
cbc:StartDate	Occurence	0 .. 1	Term name	Period start date
	Type	cbc:StartDateType	BII Usage	*The date on which the period starts. The start dates counts as*
	Info req.ID	tir01-099	*part of the period.*	
	Bus req.ID	tbr01-023		
cbc:EndDate	Occurence	0 .. 1	Term name	Period end date
	Type	cbc:EndDateType	BII Usage	*The date on which the period ends. The end date counts as part*
	Info req.ID	tir01-100	*of the period.*	
	Bus req.ID	tbr01-023		
cac:DeliveryParty	Occurence	0 .. 1		
	Type	cac:PartyType		
cac:PartyIdentification	Occurence	0 .. 1		
	Type	cac:PartyIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	Delivery party ID
	Type	cbc:IDType	BII Usage	*An identifier for the party that should deliver the ordered items.*
	Info req.ID	tir01-101	*In this BIS: The identifier of the party that should receive the*	
	Bus req.ID	tbr01-021	*ordered items*	
schemeID	Type	xs:normalizedString	*Rules*	*OP-T01-005 - An Party Identifier Scheme MUST be from the list*
	Use	required	*of PEPPOL Party Identifiers.*	
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyName	Occurence	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	Occurence	1 .. 1	Term name	Delivery party name
	Type	cbc:NameType	BII Usage	*The name of the party that should handle the delivery.*
	Info req.ID	tir01-102	*In this BIS: The name of the party that should receive the delivery*	
	Bus req.ID	tbr01-021		
cac:Contact	Occurence	0 .. 1		

Element/Attribute	Description		Usage	
	Type	cac:ContactType		
cbc:Name	**Occurence**	0 .. 1	**Term name**	**Contact person name**
	Type	cbc:NameType	**BII Usage**	*The name of the contact person.*
	Info req.ID	tir01-103		
	Bus req.ID	tbr01-021		
cbc:Telephone	**Occurence**	0 .. 1	**Term name**	**Contact telephone number**
	Type	cbc:TelephoneType	**BII Usage**	*A phone number for the contact person. If the person has a direct*
	Info req.ID	tir01-104	*number, this is that number.*	
	Bus req.ID	tbr01-021		
cbc:Telefax	**Occurence**	0 .. 1	**Term name**	**Contact fax number**
	Type	cbc:TelefaxType	**BII Usage**	*A fax number for the contact persons.*
	Info req.ID	tir01-105		
	Bus req.ID	tbr01-021		
cbc:ElectronicMail	**Occurence**	0 .. 1	**Term name**	**Contact email address**
	Type	cbc:ElectronicMailType	**BII Usage**	*The e-mail address for the contact person. If the person has a*
	Info req.ID	tir01-106	*direct e-mail this is that email.*	
	Bus req.ID	tbr01-021		
cac:DeliveryTerms	**Occurence**	0 .. 1		
	Type	cac:DeliveryTermsType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Delivery terms**
	Type	cbc:IDType	**BII Usage**	*The ability for the buyer to specify what shipping terms should*
	Info req.ID	tir01-107	*apply the delivery of the order.*	
	Bus req.ID	tbr01-038		
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cbc:SpecialTerms	**Occurence**	0 .. 1	**Term name**	**Delivery special terms**
	Type	cbc:SpecialTermsType	**BII Usage**	*A description of special conditions relating to the Delivery Terms.*
	Info req.ID	tir01-108		
	Bus req.ID	tbr01-038		
cac:DeliveryLocation	**Occurence**	0 .. 1		
	Type	cac:LocationType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Delivery terms location**
	Type	cbc:IDType	**BII Usage**	*An association to Location, e.g., a port. The unique identifier for*
	Info req.ID	tir01-109	*the location.*	
	Bus req.ID	tbr01-038		
cac:PaymentTerms	**Occurence**	0 .. 1		
	Type	cac:PaymentTermsType		
cbc:Note	**Occurence**	0 .. 1	**Term name**	**Payment terms**
	Type	cbc:NoteType	**BII Usage**	*Payment terms for the order described in text*
	Info req.ID	OP-T01-014		
cac:AllowanceCharge	**Occurence**	0 .. unbounded		
	Type	cac:AllowanceChargeType		

Element/Attribute	Description		Usage	
cbc:ChargeIndicator	Occurence	1 .. 1	Term name	AllowanceChargeIndicator
	Type	cbc:ChargeIndicatorType	BII Usage	*True = Charge, False = Allowance*
	Info req.ID	4		
	Example	False		
cbc:AllowanceChargeReason	Occurence	1 .. 1	Term name	Allowance and charges reason
	Type	cbc:AllowanceChargeReasonType	BII Usage	*A textual reason for the allowance or the charge. Can also be its name.*
	Info req.ID	tir01-112		
	Bus req.ID	tbr01-030		
			Rules	BII2-T01-R007 - Allowances and charges MUST have a reason
cbc:Amount	Occurence	1 .. 1	Term name	Allowance and charge amount
	Type	cbc:AmountType	BII Usage	*The net amount of the allowance or the charge exluding VAT.*
	Info req.ID	tir01-113		
	Bus req.ID	tbr01-030		
currencyID	Type	xs:normalizedString	*Rules*	*OP-T01-007 - currencyID MUST be coded using ISO code list 4217*
	Use	required		
			Code List ID:	*ISO4217*
cac:TaxTotal	Occurence	0 .. 1		
	Type	cac:TaxTotalType		
cbc:TaxAmount	Occurence	1 .. 1	Term name	VAT total amount
	Type	cbc:TaxAmountType	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.*
	Info req.ID	tir01-114		*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.*
	Bus req.ID	tbr01-024		
			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	*Rules*	*OP-T01-007 - currencyID MUST be coded using ISO code list 4217*
	Use	required		
			Code List ID:	*ISO4217*
cac:AnticipatedMonetaryTotal	Occurence	0 .. 1		
	Type	cac:MonetaryTotalType		

Element/Attribute	Description		Usage	
cbc:LineExtensionAmount	**Occurence**	1 **..** 1	**Term name**	**Sum of line amounts**
	Type	cbc:LineExtensionAmountType	**BII Usage**	*Sum of line amounts in the document.*
	Info req.ID	tir01-115	*The total of Line Extension Amounts net of tax and settlement*	
	Bus req.ID	tbr01-024	*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*	*Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*	
	Use	*required*	*4217*	
			Code List ID: *ISO4217*	
cbc:TaxExclusiveAmount	**Occurence**	0 **..** 1	**Term name**	**Document total without VAT**
	Type	cbc:TaxExclusiveAmountType	**BII Usage**	*The "Sum of line amounts" plus "sum of allowances on document*
	Info req.ID	tir01-145	*level" plus "sum of charges on document level".*	
	Bus req.ID	tbr01-004		
—*currencyID*	*Type*	*xs:normalizedString*	*Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*	
	Use	*required*	*4217*	
			Code List ID: *ISO4217*	
cbc:TaxInclusiveAmount	**Occurence**	0 **..** 1	**Term name**	**Document total including VAT**
	Type	cbc:TaxInclusiveAmountType	**BII Usage**	*The total value including VAT*
	Info req.ID	tir01-147		
	Bus req.ID	tbr01-004		
—*currencyID*	*Type*	*xs:normalizedString*	*Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*	
	Use	*required*	*4217*	
			Code List ID: *ISO4217*	
cbc:AllowanceTotalAmount	**Occurence**	0 **..** 1	**Term name**	**Sum of allowances on document level**
	Type	cbc:AllowanceTotalAmountType	**BII Usage**	*Sum of all allowances on header level in the document.*
	Info req.ID	tir01-116	*Allowances on line level are included in the line amount and*	
	Bus req.ID	tbr01-024	*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*	*Rules* *OP-T01-007 - currencyID MUST be coded using ISO code list*	
	Use	*required*	*4217*	
			Code List ID: *ISO4217*	

Element/Attribute	Description		Usage	
cbc:ChargeTotalAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:ChargeTotalAmountType tir01-117 tbr01-024	**Term name** **BII Usage** **Rules**	**Sum of charges on document level** *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"* 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* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cbc:PrepaidAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PrepaidAmountType tir01-148 tbr01-035	**Term name** **BII Usage**	**Paid amounts** *Any amounts that have been paid a-priory.*
—*currencyID*	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cbc:PayableRoundingAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PayableRoundingAmountType tir01-146 tbr01-004	**Term name** **BII Usage**	**Rounding of document total** *Any rounding of the "Document total including VAT"*
—*currencyID*	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cbc:PayableAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:PayableAmountType tir01-118 tbr01-024	**Term name** **BII Usage** **Rules**	**Amount for payment** *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* 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* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cac:OrderLine	**Occurence** **Type**	1 .. unbounded cac:OrderLineType		

Element/Attribute	Description		Usage	
cbc:Note	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:NoteType tir01-123 tbr01-003	**Term name** **BII Usage**	**Order line note** *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** **Type**	1 .. 1 cac:LineItemType		
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:IDType tir01-120 tbr01-025	**Term name** **BII Usage** **Rules**	**Document line identifier** *Identifies the Line Item assigned by the buyer.* BII2-T01-R003 - Each order line MUST have a document line identifier that is unique within the order
cbc:Quantity	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:QuantityType tir01-132 tbr01-028	**Term name** **BII Usage** **Rules**	**Ordered quantity** *The quantity of Items for the Line Item. The quantity for the order line.* 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* *Use*	*xs:normalizedString* *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* *Use*	*xs:normalizedString* *required*	*Code List ID:*	*UNECERec20*
cbc:LineExtensionAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:LineExtensionAmountType tir01-128 tbr01-024	**Term name** **BII Usage**	**Order line amount** *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* *Use*	*xs:normalizedString* *required*	*Rules* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list 4217* *ISO4217*
cbc:TotalTaxAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:TotalTaxAmountType tir01-129 tbr01-024	**Term name** **BII Usage**	**Order line tax amount** *The total tax amount for the Line Item. The total amounts of taxes on the line.*
currencyID	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list 4217* *ISO4217*

Element/Attribute	Description		Usage	
cbc:PartialDeliveryIndicator	Occurence	0 .. 1	Term name	**Partial Delivery Allowed Indicator**
	Type	cbc:PartialDeliveryIndicatorType	BII Usage	*Indicates if the line items must be delivered in a single shipment.*
	Info req.ID	tir01-124	*Default that partial delivery is allowed.*	
	Bus req.ID	tbr01-033		
	Default	True		
cbc:AccountingCost	Occurence	0 .. 1	Term name	**Buyers accounting string**
	Type	cbc:AccountingCostType	BII Usage	*The buyer's accounting information applied to the Line Item,*
	Info req.ID	tir01-125	*expressed as text.*	
	Bus req.ID	tbr01-0		
cac:Delivery	Occurence	0 .. 1		
	Type	cac:DeliveryType		
cac:RequestedDeliveryPeriod	Occurence	0 .. 1		
	Type	cac:PeriodType		
cbc:StartDate	Occurence	0 .. 1	Term name	**Period start date**
	Type	cbc:StartDateType	BII Usage	*The date on which the period starts. The start dates counts as*
	Info req.ID	tir01-126	*part of the period.*	
	Bus req.ID	tbr01-022		
cbc:EndDate	Occurence	0 .. 1	Term name	**Period end date**
	Type	cbc:EndDateType	BII Usage	*The date on which the period ends. The end date counts as part*
	Info req.ID	tir01-127	*of the period.*	
	Bus req.ID	tbr01-022		
cac:OriginatorParty	Occurence	0 .. 1		
	Type	cac:PartyType		
cac:PartyIdentification	Occurence	0 .. 1		
	Type	cac:PartyIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	**Order line originator party ID**
	Type	cbc:IDType	BII Usage	*The party who originated Order.*
	Info req.ID	tir01-121		
	Bus req.ID	tbr01-020		
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T01-005 - A Party Identifier Scheme MUST be from the list of*
	Use	*required*	*PEPPOL Party Identifiers.*	
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyName	Occurence	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	Occurence	1 .. 1	Term name	**Order line originator party name**
	Type	cbc:NameType	BII Usage	*The party who originated Order.*
	Info req.ID	tir01-122		
	Bus req.ID	tbr01-020		
cac:Price	Occurence	0 .. 1		
	Type	cac:PriceType		

Element/Attribute	Description		Usage	
cbc:PriceAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID** tbr01-027	1 .. 1 cbc:PriceAmountType tir01-130 tbr01-0	**Term name** **BII Usage** **Rules** negative	litem price *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.* BII2-T01-R011 - Each order line item net price MUST not be
─currencyID	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cbc:BaseQuantity	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:BaseQuantityType tir01-131 tbr01-027	**Term name** **BII Usage**	**Item price base quantity** *The actual quantity to which the price applies.*
─unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *ECE Recommendation 20 (2009)* *code attribute MUST have a unit code list identifier attribute "UNECREC20"*	*OP-T01-009 - Unit code MUST be coded according to the UN/* *EUGEN-T01-R016 - A unit*
─unitCodeListID	*Type* *Use*	*xs:normalizedString* *required*	*Code List ID:*	*UNECERec20*
cac:AllowanceCharge	**Occurence** **Type**	0 .. 1 cac:AllowanceChargeType		
cbc:ChargeIndicator	**Occurence** **Type** **Info req.ID** **Example**	1 .. 1 cbc:ChargeIndicatorType 4 False	**Term name** **BII Usage**	**AllowanceChargeIndicator** *True = Charge, False = Allowance*
cbc:Amount	**Occurence** **Type** **Info req.ID**	1 .. 1 cbc:AmountType 6	**Term name** **BII Usage**	**Amount** *The net amount for the allowance charge connected to the price*
─currencyID	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cbc:BaseAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:BaseAmountType tir01-152 tbr01-035	**Term name** **BII Usage** *price.*	**Item list price** *The gross price of the item before subtracting discounts. E.g. list*
─currencyID	*Type* *Use*	*xs:normalizedString* *required*	*Rules* *4217* *Code List ID:*	*OP-T01-007 - currencyID MUST be coded using ISO code list* *ISO4217*
cac:Item	**Occurence**	1 .. 1		

Element/Attribute	Description		Usage	
	Type	cac:ItemType		
—cbc:Description	**Occurence**	0 .. 1	**Term name**	**Item description as text**
	Type	cbc:DescriptionType	**BII Usage**	*Free-form field that can be used to give a text description of the*
	Info req.ID	tir01-133	*item. A detailed description of the item. Use one description per*	
	Bus req.ID	tbr01-029	*language.*	
			Test text for capturing notes	
—cbc:Name	**Occurence**	0 .. 1	**Term name**	**Item name**
	Type	cbc:NameType	**BII Usage**	*A short name for an item.*
	Info req.ID	tir01-134	*A short name optionally given to an item, such as a name from a*	
	Bus req.ID	tbr01-029	*Catalogue, as distinct from a description.*	
			Rules BII2-T01-R031 - Each order line MUST have an item identifier and/or an item name	
—*cac:SellersItemIdentification*	**Occurence**	0 .. 1		
	Type	cac:ItemIdentificationType		
—cbc:ID	**Occurence**	1 .. 1	**Term name**	**Item sellers identifier**
	Type	cbc:IDType	**BII Usage**	*The sellers identifier for the item.*
	Info req.ID	tir01-135	*Associates the item with its identification according to the seller's*	
	Bus req.ID	tbr01-029	*system. The sellers ID for the item.*	
			Rules BII2-T01-R031 - Each order line MUST have an item identifier and/or an item name	
—*cac:StandardItemIdentification*	**Occurence**	0 .. 1		
	Type	cac:ItemIdentificationType		
—cbc:ID	**Occurence**	1 .. 1	**Term name**	**Item standard identifier**
	Type	cbc:IDType	**BII Usage**	*A item identifier based on a registered schema.*
	Info req.ID	tir01-136	*Associates the item with its identification according to a standard*	
	Bus req.ID	tbr01-029	*system. Standarized ID for the item*	
			Rules BII2-T01-R031 - Each order line MUST have an item identifier and/or an item name.	
—*schemeID*	*Type*	*xs:normalizedString*		
	Use	*optional*		
—*cac: ItemSpecificationDocumentReference*	**Occurence**	0 .. unbounded		
	Type	cac:DocumentReferenceType		
—cbc:ID	**Occurence**	1 .. 1	**Term name**	**Document reference**
	Type	cbc:IDType	**BII Usage**	*Reference to an external document (ID) when it is necessary to*
	Info req.ID	OP-T01-012	*specify the details of the item.*	
—*cac:CommodityClassification*	**Occurence**	0 .. unbounded		
	Type	cac:CommodityClassificationType		

Element/Attribute	Description			Usage	
cbc:ItemClassificationCode	**Occurence**	1 .. 1		**Term name**	**Item commodity classification**
	Type	cbc:ItemClassificationCodeType		**BII Usage**	*A classification code for classifying the item by its type or nature.*
	Info req.ID	tir01-149			
	Bus req.ID	tbr01-0			
listID	*Type*	*xs:normalizedString*			
	Use	*optional*			
cac:ClassifiedTaxCategory	**Occurence**	0 .. 1			
	Type	cac:TaxCategoryType			
cbc:ID	**Occurence**	1 .. 1		**Term name**	**Item VAT category code**
	Type	cbc:IDType		**BII Usage**	*The VAT code that indicates what VAT details apply to the item.*
	Info req.ID	tir01-150			
	Bus req.ID	tbr01-0		**Rules**	EUGEN-T01-R017 - A tax category identifier MUST have a scheme identifier attribute "UNECE5305"
schemeID	*Type*	*xs:normalizedString*		*Rules*	*OP-T01-008 - A tax category identifier scheme MUST be "UNCL5305"*
	Use	*required*		*Code List ID:*	*UNCL5305*
cbc:Percent	**Occurence**	0 .. 1		**Term name**	**Item VAT rate**
	Type	cbc:PercentType		**BII Usage**	*The VAT percentage rate that applies to the ordered item.*
	Info req.ID	tir01-170			
	Bus req.ID	tbr01-004			
cac:TaxScheme	**Occurence**	1 .. 1			
	Type	cac:TaxSchemeType			
cbc:ID	**Occurence**	1 .. 1		**Term name**	**Identifier**
	Type	cbc:IDType		**BII Usage**	*Code for TaxScheme. VAT is the only allowed value*
	Info req.ID	3			
	Example	VAT			
cac:AdditionalItemProperty	**Occurence**	0 .. unbounded			
	Type	cac:ItemPropertyType			
cbc:Name	**Occurence**	1 .. 1		**Term name**	**Name**
	Type	cbc:NameType		**BII Usage**	*The name of the information.*
	Info req.ID	tir01-138			
	Bus req.ID	tbr01-029		**Rules**	BII2-T01-R019 - Each item property MUST have a data name, if item property is provided
cbc:Value	**Occurence**	1 .. 1		**Term name**	**Value**
	Type	cbc:ValueType		**BII Usage**	*The value of the information.*
	Info req.ID	tir01-139			
	Bus req.ID	tbr01-029		**Rules**	BII2-T01-R020 - Each item property MUST have a data value, if item property is provided
cbc:ValueQuantity	**Occurence**	0 .. 1		**Term name**	**Quantity**
	Type	cbc:ValueQuantityType		**BII Usage**	*Property quantity*
	Info req.ID	OP-T01-013			
unitCode	*Type*	*xs:normalizedString*		*Rules*	*Must be a valid code according to code list UN/ECE Rec 20*
	Use	*required*			
unitCodeListID	*Type*	*xs:normalizedString*		*Code List ID:*	*UNECERec20*
	Use	*required*			

Element/Attribute	Description		Usage	
cbc:ValueQualifier	**Occurence**	0 **..** 1	**Term name**	**Qualification of qty**
	Type	cbc:ValueQualifierType	**BII Usage**	*Description of the quantity*
	Info req.ID	OP-T01-013		

11.2 Order response message

11.2.1 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	tir76-200
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

11.2.2 Details

Element/Attribute	Description		Usage	
OrderResponse	Type	OrderResponseType		
—cbc:UBLVersionID	Occurence	1 .. 1	Term name	**UBLVersionID**
	Type	cbc:UBLVersionIDType	BII Usage	*The version of UBL the message is based on (2.1)*
	Info req.ID			
	Example	2.1		
—cbc:CustomizationID	Occurence	1 .. 1	Term name	**Customization identifier**
	Type	cbc:CustomizationIDType	BII Usage	*Identifies the specification of content and rules that apply to the*
	Info req.ID	tir76-001	*transaction.*	
	Example	urn:www.cenbii.eu:transaction:biitrns076:ver2.0:	Rules	BII2-T76-R001 - An order response MUST have a
		extended:urn:www.peppol.eu:bis:peppol28a:ver1.0	customization identifier	
—cbc:ProfileID	Occurence	1 .. 1	Term name	**Profile identifier**
	Type	cbc:ProfileIDType	BII Usage	*Identifies the BII profile or business process context in which*
	Info req.ID	tir76-002	*the transaction appears.*	
	Example	urn:www.cenbii.eu:profile:bii28:ver2.0	Rules	BII2-T76-R002 - An order response MUST have a profile
			identifier	
—cbc:ID	Occurence	1 .. 1	Term name	**Order response identifier**
	Type	cbc:IDType	BII Usage	*A transaction instance must have an identifier. The identifier*
	Info req.ID	tir76-003	*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	Term name	**Order response issue date**
	Type	cbc:IssueDateType	BII Usage	*The date on which the transaction instance was issued.*
	Info req.ID	tir76-004	Rules	BII2-T76-R004 - An order response MUST have a document
			issue date	
—cbc:IssueTime	Occurence	0 .. 1	Term name	**Order response issue time**
	Type	cbc:IssueTimeType	BII Usage	*The time assigned by the buyer on which the transaction was*
	Info req.ID	tir76-005	*issued.*	
—cbc:OrderResponseCode	Occurence	1 .. 1	Term name	**Response code**
	Type	cbc:OrderResponseCodeType	BII Usage	*A code that indicates whether the referenced order as whole is*
	Info req.ID	tir76-200	*Accepted or Rejected or, alternatively, Accepted with change.*	
			If response code is Accept or Reject there may not be any	
			response lines.	
			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	Code List ID:	UNCL1225
	Use	required		
—cbc:Note	Occurence	0 .. 1	Term name	**Response clarification**
	Type	cbc:NoteType	BII Usage	*Clarifacation of the suppliers decision.*
	Info req.ID	tir76-006		

Element/Attribute	Description		Usage	
cbc:DocumentCurrencyCode	Occurence	1 .. 1	**Term name**	**Document currency**
	Type	cbc:DocumentCurrencyCodeType	BII Usage	*The default currency for the offer.*
	Info req.ID	tir76-007	Rules	OP-T76-003 - Document Currency Code MUST be coded using ISO code list 4217
listID	*Type*	*xs:normalizedString*	*Code List ID:*	*ISO4217*
	Use	*required*		
cac:OrderReference	Occurence	1 .. 1		
	Type	cac:OrderReferenceType		
cbc:ID	Occurence	1 .. 1	**Term name**	**Order document reference**
	Type	cbc:IDType	BII Usage	*Used to reference the order that is being responded to.*
	Info req.ID	tir76-011	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	**Term name**	**Seller party endpoint identifier**
	Type	cbc:EndpointIDType	BII Usage	*Identifies the end point of the routing service, e.g., EAN Location Number, GLN.*
	Info req.ID	tir76-058	Rules	EUGEN-T76-R001 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T76-004 - An Endpoint identifier scheme MUST be from the code list PEPPOL:PartyIdentifier*
	Use	*required*	*Code List ID:*	*PEPPOL:PartyIdentifier*
cac:PartyIdentification	Occurence	0 .. unbounded		
	Type	cac:PartyIdentificationType		
cbc:ID	Occurence	1 .. 1	**Term name**	**Seller party identification**
	Type	cbc:IDType	BII Usage	*Identifies a party.*
	Info req.ID	tir76-059	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*	*Rules*	*OP-T76-005 - A Party identifier scheme MUST be from the code list PEPPOL:PartyIdentifier*
	Use	*required*	*Code List ID:*	*PEPPOL:PartyIdentifier*
cac:PartyName	Occurence	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	Occurence	1 .. 1	**Term name**	**Seller party name**
	Type	cbc:NameType	BII Usage	*The name of the party.*
	Info req.ID	tir76-060	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	**Term name**	**Contact person name**
	Type	cbc:NameType	BII Usage	*The name of the contact person.*
	Info req.ID	tir76-074		

Element/Attribute	Description		Usage	
cbc:Telephone	Occurence	0 .. 1	Term name	Contact telephone number
	Type	cbc:TelephoneType	BII Usage	*A phone number for the contact person. If the person has a*
	Info req.ID	tir76-077	*direct number, this is that number.*	
cbc:Telefax	Occurence	0 .. 1	Term name	Conatct fax number
	Type	cbc:TelefaxType	BII Usage	*A fax number for the contact persons.*
	Info req.ID	tir76-075		
cbc:ElectronicMail	Occurence	0 .. 1	Term name	Contact email address
	Type	cbc:ElectronicMailType	BII Usage	*The e-mail address for the contact person. If the person has a*
	Info req.ID	tir76-076	*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	Term name	Buyer party endpoint identifier
	Type	cbc:EndpointIDType	BII Usage	*Identifies the end point of the routing service.*
	Info req.ID	tir76-021	Rules	EUGEN-T76-R001 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T76-004 - An Endpoint identifier scheme MUST be from*
	Use	*required*	*the code list PEPPOL:PartyIdentifier*	
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyIdentification	Occurence	0 .. unbounded		
	Type	cac:PartyIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	Buyer party identification
	Type	cbc:IDType	BII Usage	*An identification for the buyer party.*
	Info req.ID	tir76-022	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*	*Rules*	*OP-T76-005 - A Party identifier scheme MUST be from the*
	Use	*required*	*code list PEPPOL:PartyIdentifier*	
			Code List ID:	*PEPPOL:PartyIdentifier*
cac:PartyName	Occurence	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	Occurence	1 .. 1	Term name	Buyer party name
	Type	cbc:NameType	BII Usage	*The name of the party who ordered the items and receives the*
	Info req.ID	tir76-023	*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	Term name	Contact identifier
	Type	cbc:IDType		
	Info req.ID	2		
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	**Term name**	**Period start date**
	Type	cbc:StartDateType	**BII Usage**	*The date on which the period starts. The start dates counts as part of the period.*
	Info req.ID	tir76-099		
cbc:EndDate	**Occurence**	0 **..** 1	**Term name**	**Period end date**
	Type	cbc:EndDateType	**BII Usage**	*The date on which the period ends. The end date counts as part of the period.*
	Info req.ID	tir76-100		
cac:OrderLine	**Occurence**	0 **..** unbounded		
	Type	cac:OrderLineType		
cac:LineItem	**Occurence**	1 **..** 1		
	Type	cac:LineItemType		
cbc:ID	**Occurence**	1 **..** 1	**Term name**	**Document line identifier**
	Type	cbc:IDType	**BII Usage**	*Identifies the response line.*
	Info req.ID	tir76-120	**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	**Term name**	**Response clarification**
	Type	cbc:NoteType	**BII Usage**	*Clarification of the suppliers decision for the line.*
	Info req.ID	tir76-204		
cbc:LineStatusCode	**Occurence**	1 **..** 1	**Term name**	**Response code**
	Type	cbc:LineStatusCodeType	**BII Usage**	*A code that indicates whether the referenced order line as whole is Accepted or Rejected or, alternatively, Accepted with change.*
	Info req.ID	tir76-202	**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*	*Code List ID:*	*UNCL1225*
	Use	*required*		
cbc:Quantity	**Occurence**	0 **..** 1	**Term name**	**Quantity**
	Type	cbc:QuantityType	**BII Usage**	*The quantity of items that will be delivered.*
	Info req.ID	tir76-132		
unitCode	*Type*	*xs:normalizedString*	*Rules*	*OP-T76-006 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
	Use	*required*		
unitCodeListID	*Type*	*xs:normalizedString*	*Code List ID:*	*UNECERec20*
	Use	*required*		
cac:Delivery	**Occurence**	0 **..** 1		
	Type	cac:DeliveryType		
cac:PromisedDeliveryPeriod	**Occurence**	1 **..** 1		
	Type	cac:PeriodType		
cbc:StartDate	**Occurence**	0 **..** 1	**Term name**	**Period start date**
	Type	cbc:StartDateType	**BII Usage**	*The date on which the period starts. The start dates counts as part of the period.*
	Info req.ID	tir76-126		

Element/Attribute	Description		Usage	
cbc:EndDate	Occurence	0 .. 1	Term name	Period end date
	Type	cbc:EndDateType	BII Usage	The date on which the period ends. The end date counts as part of the period.
	Info req.ID	tir76-127		
cac:Price	Occurence	0 .. 1		
	Type	cac:PriceType		
cbc:PriceAmount	Occurence	1 .. 1	Term name	Item price
	Type	cbc:PriceAmountType	BII Usage	The net price of an item including discounts or surcharges that apply to the price.
	Info req.ID	tir76-130		*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	Rules	OP-T76-007 - CurrencyID MUST be coded using ISO code list 4217
	Use	required		
cbc:BaseQuantity	Occurence	0 .. 1	Term name	Item price base quantity
	Type	cbc:BaseQuantityType	BII Usage	The actual quantity to which the price applies.
	Info req.ID	tir04-131		
unitCode	Type	xs:normalizedString	Rules	OP-T76-006 - Unit code MUST be coded according to the UN/ECE Recommendation 20
	Use	required		
unitCodeListID	Type	xs:normalizedString	Code List ID:	UNECERec20
	Use	required		
cac:Item	Occurence	1 .. 1		
	Type	cac:ItemType		
cbc:Name	Occurence	0 .. 1	Term name	Item name
	Type	cbc:NameType	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.
	Info req.ID	tir76-205		
cac:SellersItemIdentification	Occurence	0 .. 1		
	Type	cac:ItemIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	Item sellers identifier
	Type	cbc:IDType	BII Usage	Associates the item with its identification according to the seller's system. The sellers ID for the item.
	Info req.ID	tir76-206		
cac:StandardItemIdentification	Occurence	0 .. 1		
	Type	cac:ItemIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	Item standard identifier
	Type	cbc:IDType	BII Usage	Associates the item with its identification according to a standard system. Standarized ID for the item
	Info req.ID	tir76-207		
schemeID	Type	xs:normalizedString		
	Use	optional		
cac:SellerSubstitutedLineItem	Occurence	0 .. 1		
	Type	cac:LineItemType		

Element/Attribute	Description		Usage	
cbc:ID	Occurence	1 .. 1	Term name	**Substituted Line Item Identifier**
	Type	cbc:IDType	BII Usage	*Identifier of the substituted line item*
cac:Item	Occurence	1 .. 1		
	Type	cac:ItemType		
cbc:Name	Occurence	0 .. 1	Term name	**Item name**
	Type	cbc:NameType	BII Usage	*A short name optionally given to an item, such as a name from*
	Info req.ID	tir76-134	*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	Term name	**Item sellers identifier**
	Type	cbc:IDType	BII Usage	*Associates the item with its identification according to the*
	Info req.ID	tir76-135	*seller's system. The sellers ID for the item.*	
cac:StandardItemIdentification	Occurence	0 .. 1		
	Type	cac:ItemIdentificationType		
cbc:ID	Occurence	1 .. 1	Term name	**Item standard identifier**
	Type	cbc:IDType	BII Usage	*Associates the item with its identification according to a*
	Info req.ID	tir76-136	*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	Term name	**Item commodity classification**
	Type	cbc:ItemClassificationCodeType	BII Usage	*A classification code for classifying the item by its type or*
	Info req.ID	tir76-149	*nature.*	
listID	Type	xs:normalizedString		
	Use	optional		
cac:ClassifiedTaxCategory	Occurence	0 .. 1		
	Type	cac:TaxCategoryType		
cbc:ID	Occurence	1 .. 1	Term name	**Item VAT category code**
	Type	cbc:IDType	BII Usage	*The VAT code that indicates what VAT details apply to the*
	Info req.ID	tir76-150	*item.*	
			Rules	OP-T76-008 - A tax category identifier MUJST be coded using
			UN/ECE 5305 BII2 subset	
schemeID	Type	xs:normalizedString	*Code List ID: UNCL5305*	
	Use	required		
cbc:Percent	Occurence	0 .. 1	Term name	**Item VAT rate**
	Type	cbc:PercentType	BII Usage	*The VAT percentage rate that applies item, unless exemption*
	Info req.ID	tir04-170	*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	**Term name**	**Name**
	Type	cbc:NameType	**BII Usage**	*The name of the information.*
	Info req.ID	tir76-138	*The name of the item property.*	
cbc:Value	**Occurence**	1 **..** 1	**Term name**	**Value**
	Type	cbc:ValueType	**BII Usage**	*The value of the information.*
	Info req.ID	tir76-139	*The item property value.*	
cbc:ValueQuantity	**Occurence**	0 **..** 1	**Term name**	**Quantity**
	Type	cbc:ValueQuantityType	**BII Usage**	*Property quantity*
	Info req.ID	6		
unitCode	*Type*	xs:normalizedString	*Rules*	*Must be a valid unit code according to code list UN/ECE Rec20*
	Use	*required*		
unitCodeListID	*Type*	xs:normalizedString	*Code List ID:*	*UNECERec20*
	Use	*required*		
cbc:ValueQualifier	**Occurence**	0 **..** 1	**Term name**	**Qualification of qty**
	Type	cbc:ValueQualifierType	**BII Usage**	*Description of the quantity*
	Info req.ID	5		
cac:OrderLineReference	**Occurence**	1 **..** 1		
	Type	cac:OrderLineReferenceType		
cbc:LineID	**Occurence**	1 **..** 1	**Term name**	**Order line reference**
	Type	cbc:LineIDType	**BII Usage**	*Used to reference the initial order line that correspondes to the response. All order lines should be stated.*
	Info req.ID	tir76-201	**Rules**	BII2-T76-R034 - An order response line MUST contain a reference to its corresponding order line.

12 Appendices

12.1 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.

12.2 Appendix B

Conformance statement.