Business Interoperability Specification

OpenPEPPOL AISBL

Post Award Coordinating Community

ICT - Models

BIS 1A – Catalogue

Version: 4.00
Status: In use

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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 BII01 Catalogue Only".

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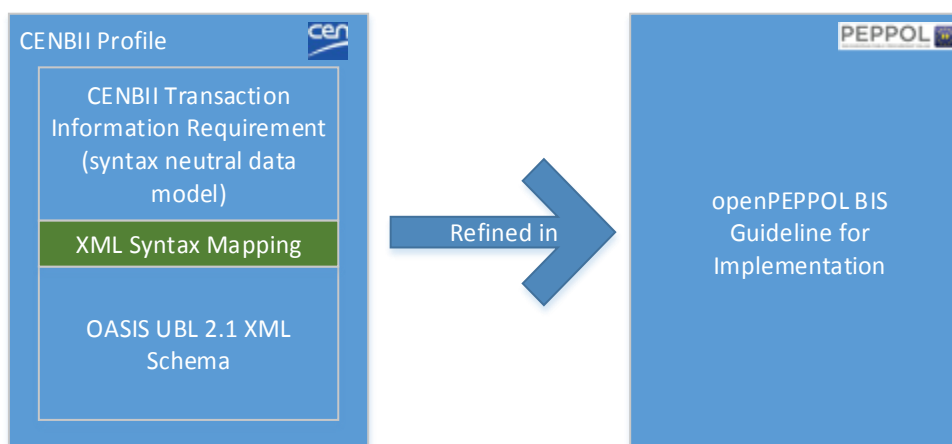
1.1   Audience

The audience for this document is organizations wishing to be PEPPOL enabled for exchanging electronic catalogues, 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

[CEN_BII]   http://www.cen.eu/cwa/bii/specs
[CEN_BII2]   http://www.cenbii.eu
[COMMON BIS]   To be developed
[BII_Catalogue]   ftp://ftp.cen.eu/public/CWAs/BII2/CWA16561/CWA16561-Annex-A-BII-Profile-01-CatalogueOnly-
                           V2_0_0.pdf
[BII_CatalogueModel]   A browsable HTML version:
                           http://spec.cenbii.eu/BII2/fxhtml/Trdm019-
                           Catalogue/g_1.htm?http://spec.cenbii.eu/BII2/fxhtml/Trdm019-Catalogue/g_5.htm

[UBL]   http://docs.oasis-open.org/ubl/prd3-UBL-2.1/UBL-2.1.html
[UBL_Catalogue]   http://docs.oasis-open.org/ubl/prd3-UBL-2.1/xsd/maindoc/UBL-Catalogue-2.1.xsd

[Schematron]   http://www.schematron.com
[XSLT]   http://www.w3.org/TR/xslt20/

[DIR_2006/112/EC]   Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax,
                           found at:
                            http://eurlex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112: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	Organization	Description
1.00	30.04.2010	Peter Borresen	ebConnect	First version pending EC approval)
1.01	01.10.2010	Klaus Vilstrup Pedersen	DIFI	EC approval
2.00	29.11.2010	Leonardo Bertini	Consip	Second version (pending EC approval)
3.0	25.01.2012	Bergthor Skulason	NITA	3rd version
4.0	15.10.2013	Siw Midtgård Meckelborg	Difi	4th version based on BII2

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4 Principles and prerequisites

4.1 Business Process in scope

This PEPPOL BIS supports a process for suppliers to send a catalogue and for buyers to return a catalogue response. It is intended to support transmission of electronic catalogue-messages for processing in semi-automated processes by the receiver. The BIS mandates no procurement related data but supports different ways of referring to products and services. By selective use of such references it can be used as basis for automated processing of ordering and invoicing.

The intended scope for this BIS is:
- B2B and B2G
- Common business processes for cross industry and cross border procurement
- Regional procurement within EU and EEA
- For supporting purchase of goods and services and/or services that can be itemized.

This PEPPOL BIS supports a set of "common use cases / process". These are processes that are used widely or understood as being relevant for most companies.

The main activities supported by this BIS are:
- Description of goods and services
- Maintaining content of framework contract
- Item comparison
- Item dependency and composition
- Description of packaging and storage requirements
- VAT classification
- Item instance description
- Maintenance of catalogue

This PEPPOL BIS supports requirements by providing elements for information needed to meet the requirement. This BIS also provides a set of business rules to clarify content and implementers can use them as basis for validation where it provides business value.

4.2 PEPPOL BIS 1A - Benefits

Catalogues are used as basis for maintenance of information about products and services that are part of a contract, like a framework agreement.
- The buyer (or a catalogue provider on his behalf) can present the information in a web shop where he can ensure correctness of product description, prices and other terms that may apply.
- The supplier can provide the customer with correct information at all times and ensure high data quality in orders based on the catalogue he prepares.
- Implementing the catalogue provides the possibility of designing fully automated purchasing flows in which the electronic documents can be validated and matched automatically, thereby saving resources compared to manual processing.
- Implementation of a catalogue can be the first step in automating the purchasing process followed by an order and an invoice, leading to entire purchasing process running from sourcing, ordering and invoicing to payment.
- Buyers can accept or reject the catalogue using a catalogue response

This PEPPOL BIS is based on the CEN/ISSS WS/BII Profile BII01 specification, see [BII_Catalogue].

4.3 Parties and roles

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, debtor, contracting authority.
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
Catalogue Provider	Represents a party sending catalogues to receivers, being the supplier or on behalf of the supplier. The Catalogue Provider has to ensure that the latest catalogue is sent to the receiver.
Catalogue Receiver	Represents a party receiving catalogues and sending the request how and what parts of the catalogues have to be updated in an update process.
Buyer	The buyer is the legal person or organization acting on behalf of the customer and who buys or purchases the goods or services.
Seller	The seller is the legal person or organization acting on behalf of the supplier and who sells goods or services to the customer.

The following diagram links the business processes to the roles performed by the Business Partners:
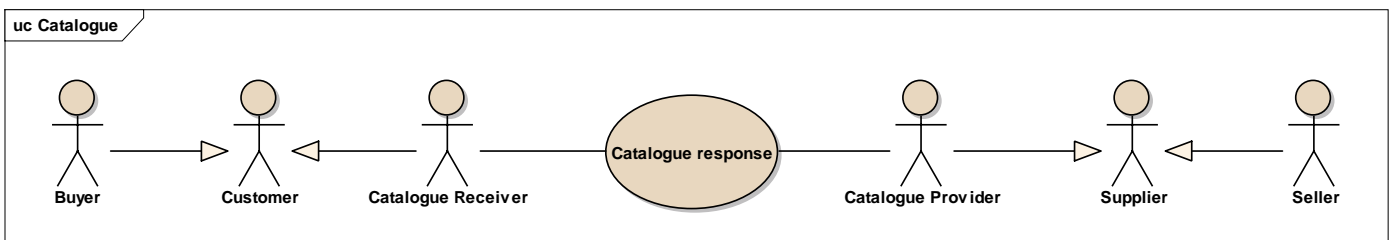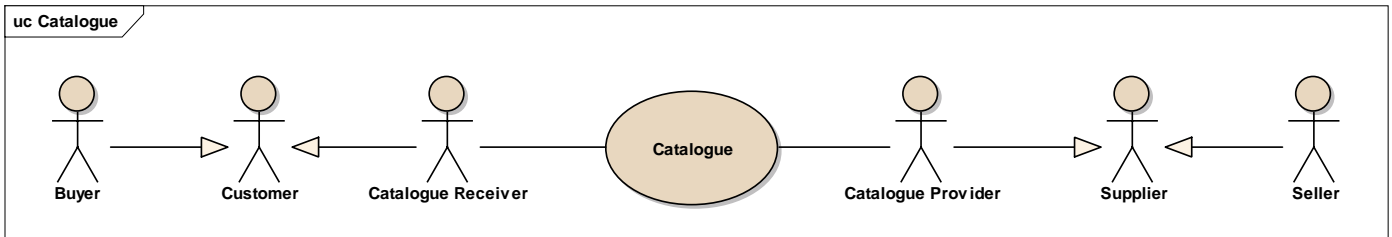
5 Business requirements

5.1 Process requirements

ID	Requirement
bpr01-071	The catalogue should be regarded as the Sellers standing offer, and the Seller is thereby obligated to supply the catalogue items according to the terms identified in the catalogue.
bpr01-072	Catalogue transactions are subordinate to the contracts/agreements on which they are based.
bpr01-073	The Seller is obligated to provide catalogue transactions updating items when item attributes change in the targeted catalogue, according to agreements.
bpr01-074	The receiver can reject a transaction if it does not conform to the agreement under which the transaction is delivered.
bpr01-075	A receiver must accept and implement a transaction if it conforms to an agreement.
bpr01-055	The Catalogue Provider sends a transaction to establish or maintain a catalogue at the Catalogue Receiver side.
bpr01-052	The Catalogue Receiver has to confirm that he received the catalogue and that he accepts or rejects the catalogue, **by sending a Catalogue response message**, in order to testify on the business level that the provided catalogue complies with the agreement under which the catalogue is provided.
bpr01-051	It is the Catalogue Provider's responsibility that data contained in the catalogue transaction is valid from a technical as well as a business point of view, as, it is the task of the Catalogue Provider to gather and to compile the data for the catalogue at the selling side.
bpr01-054	It is the Catalogue Receiver's responsibility to compile received catalogue transactions into a catalogue, as it is the task of the Catalogue Receiver to incorporate the catalogue data in the procurement systems at the buying side.
bpr01-060	It is the Catalogue Receivers responsibility that data contained in the response transaction is valid from a technical as well as a business point of view, as it is his responsibility to confirm the reception of the catalogue.
bpr01-061	It is the Catalogue Providers responsibility to compile received responses into his system.

5.2 Information requirements

5.2.1 Catalogue transaction business requirements

5.2.1.1 General

ID	Requirement
tbr19-058	All transaction (catalogue and responses) must contain all information necessary for its application i.e. it shall not rely on the availability of external references such as a centralised repository of item information. To ease the processing of a catalogue or a response, as no external data sources are needed.
tbr19-059	It must be possible to check the integrity and authentication of the information content and to audit these aspects of the content. To check that the catalogue or the response is authentic.

5.2.1.2 Header

ID	Requirement
tbr19-071	A catalogue transaction must contain an identifier for the catalogue it represents or updates
tbr19-001	An indicator for the catalogue revision may be specified. To support updating the
	catalogue after the first submission a revision indicator is sometimes needed to differentiate the catalogue versions. This indicator ensures the catalogue provider (CP) and catalogue receiver (CR) always refer to the correct and valid version of the catalogue.
tbr19-002	It must be possible to specify a name of the catalogue. Some catalogues have a special name used in the common communication. Sometimes the name refers to a special event the catalogue is created for.
tbr19-003	It must be possible to specify the period of time the catalogue is valid. A catalogue without a stated validity period is assumed to be valid until it is cancelled. Sometimes products are offered only for a certain period of time or the prices for the product are assured to be fixed by the CP only during this period of time.
tbr19-006	It must be possible to specify the contract on which the catalogue is based on. Sometimes a catalogue is provided according to a contract, e.g., a framework agreement (FWA). In such a FWA further requirements on the catalogue may be specified. A catalogue transaction either refers to one contract/agreement or none.
tbr19-007	The party providing the catalogue must be specified. To check, if the catalogue comes from or is sent on behalf of the right CP. The party may be the supplier or a dedicated third party acting on behalf of the supplier.
tbr19-010	The party receiving the catalogue must be specified. To check, if the catalogue sent to the same CR as specified in the catalogue.
tbr19-015	It must be possible to specify who offers the items described in the catalogue and how this party can be contacted (mail, e-mail, phone, etc.). Only one supplier is allowed to be specified. As the catalogue provider can differ from the supplier itself, e.g., the supplier outsourced all catalogue services to a catalogue provider, the supplier has to be specified as well. This party is the actual Economic Operator the Contracting Authority is doing business with.
tbr19-062	A catalogue must have information that makes it possible to reference specific instances of the catalogue.
tbr19-066	The party that sells the products that are listed in the catalogue must be identifiable with information including name, address, identifiers as well as contact information.
tbr19-067	The party that is allowed to buy the products that are listed in the catalogue must be identifiable with information including name and identifiers as well as contact information.
tbr19-075	It must be possible to specify whether a catalogue is new, to be updated or to be replaced.

5.2.1.3 Item

ID	Requirement
tbr19-040	An item in a Product or Service Catalogue must have a name and be uniquely identifiable by at least one single language-independent token. This includes such id provided by the CP itself as well as a manufacturer's id and an id coming from standard identification schemes. Ensure that the item can be referenced, e.g., in the order. The id can be used in the order, which makes it easier to process the order by the supplier and helps to deliver the correct item that was ordered by the buyer.
tbr19-050	It must be possible to specify how the item has to be processed by the catalogue receiver. This includes the following options: adding the item to the catalogue, replacing an existing item in a catalogue sent before, and deleting an item in a catalogue sent before. If no action is specified it has to be considered as a new item. It is intended to provide a synchronization mechanism between the catalogue of the catalogue provider and the catalogue receiver.
tbr19-041	It must be possible to specify the period of time the item is valid. If no validity period is specified, the item description is valid until it is cancelled. The same as in tbr19-003, but on the item level. This allows to have items with different validity periods in the same catalogue. Otherwise, for every a validity period a separate catalogue would need to be provided.
tbr19-018	It must be possible to refer an item to the corresponding classes from one or more classification systems. Often, the usage of a classification system, e.g., CPV, UNSPSC, eCl@ss, or GS1 GPC, is mandatory or widely used in practice. By this requirement, it should be possible to use any classification systems mandated by Contracting Authorities or legal frameworks.
tbr19-019	It must be possible to specify the (semantic) relationships and cardinalities between different items in the catalogue. In particular, in must be possible to specify part-of relationships and required (additional) items. Some items are not offered by a supplier individually. They are either only useful together with another item or refer in some manner to a specific item. Examples for such items are accessories belonging to and only applicable with another item or replacement items to replace broken components of an item. (In future version of BII other relationships may be added, e.g., replacement items, complementary items, or accessories.)
tbr19-042	It must be possible to specify, if and how an item can be ordered. This includes allowed units of measure, order sizes, minimal and maximal order sizes, etc. Due to restriction from the production process or to simplify or to limit the costs of the ordering and logistics process the order size is restricted. Thus, the buyer needs information to place a correct order that is not denied by the supplier.
tbr19-023	It must be possible to specify how the delivered items will be packaged. To indicate from which number of ordered order units this package unit will be delivered.
tbr19-029	It must be possible to specify hazard indicators for an item by any indicator system. If an item can be a danger to people or the environment, so called hazardous goods, often legal requirements demand that such items have indicators to indicate the danger that come from this item. Furthermore, such items require special handling in the logistics process.
tbr19-030	It must be possible to specify logistic conditions and other needed service information on how the item will be delivered. This includes information on maximum and minimum storage temperature, information needed for cross-border logistics processes. To define the work or services to be done for each package unit along the supply chain.
tbr19-033	It must be possible to specify the manufacturer of the item. In particular, for the case where the supplier is different from the manufacturer of the item.
tbr19-034	It must be possible to specify how the item is priced, and what VAT percentage applies. This includes factors that have influence on the price as well as relationships to other parts of the catalogue that may have impact on the price. The price is not always fixed, but dependent on many factors, e.g., order size, delivery region (down to the city level), allowance, charges, currency, etc. Prices must not be negative.
tbr19-046	The price specification must allow to compare the prices of different items within the catalogue as

ID	Requirement
	well as across catalogues. To allow the comparison of the price of different items. Helps the buyer to make the buying decision.
tbr19-048	It must be possible to specify the period of time an item price is valid. If no validity period is specified, the price is valid until cancelled. The same as in tbr19-003, but on the item level. This allows to have items with different validity periods in the same catalogue. This does not mean, that the item will expire. It only means, that after this period the item has to be ordered for a different price.
tbr19-049	It must be possible to specify a delivery location on line level, with address, city, post code, etc., so that all details on each line are dependent on this location, including price, tax and other specifications. Needed to support the buying decision, to see how much has to be paid in the end.
tbr19-035	It must be possible to provide information on the product marking, e.g., to indicate that environmental or social requirements on the item production were followed. Procurement managers need information about environmental marking applicable for a given item in order to ensure that environmental, ecological, food safety and basic human rights aspects were respected. On the other side, sales managers wish to provide this kind of information, e.g., for marketing purposes.
tbr19-043	It must be possible to specify if and when an item becomes obsolete. This allows the suppliers to indicate that an item is not produced and delivered any more or until a certain point in time. By giving this information, it is prevented that the buyer orders items that will not be delivered any more. This requirement has a different meaning than tbr19-048. Tbr19-048 concerns the validity of the price. In tbr19-043 the "validity" refers on the item, i.e., product or service, when it will not be available. This means, the item itself will not be available and delivered by the supplier any more (to any condition).
tbr19-044	It must be possible to specify a description of the item or where such a description can be found. To provide a written text describing the item. May be helpful for the buyer to order the items fitting his needs best.
tbr19-045	It must be possible to specify keywords for an item. To support searching for an item by the buyer, so that the item can be found easier and faster that fits his needs best.
tbr19-047	It must be possible to specify warranty information for the item. Sometimes suppliers offer specific warranties for their items that may be important for the buyer. Providing such information supports the buying decision.
tbr19-063	A catalogue must have information that makes it possible to reference individual catalogue lines.
tbr19-064	A catalogue line must provide for an indicator that clearly states whether the line item can be ordered according to the information given in the line.
tbr19-065	A catalogue line must provide for additional information about items in the form of attachments and external references.
tbr19-068	It must be possible to specify a manufacturing date, a best before date and an expiry date (last date when product may be used or consumed) for an item.
tbr19-069	It must be possible to specify serial numbers, batch numbers and lot numbers for an item.
tbr19-070	It must be possible to include or reference (e.g. by means of a URI) the main image for an item.
tbr19-072	In addition to part-of relationships and required (additional) items there is also a need to identify replaced item. In cases where an old item is replaced by a new one this is frequently reflected in the catalogue by deleting the old item and adding the new item. The new item should then have a reference to the old (replaced) item.
tbr19-073	Products are frequently sold with optional accessories. In addition to part-of relationships and required (additional) items there is also a need to identify these optional accessories in the catalogue.
tbr19-076	It must be possible to state the country of origin for an item.
tbr19-077	It must be possible to indicate that the item is part of a contractual arrangement.

5.2.1.4 Item Property

ID	Requirement
tbr19-038	It must be possible to specify any additional properties of the item not covered by the message itself. Allows to enhance the description of the item and helps this way, inter alia, the buyer to order the item that fits his needs best.
tbr19-037	It must be possible to refer an item property to any property from a product/service classification system, using standardized and predefined properties from accepted standards. Such predefined properties help to improve the description of an offered item, and thus helps the buyer to order the correct item, the item that fits his needs best.
tbr19-039	If an item property is specified, a specific value has to be specified for this item property. The specified value has to hold true for the corresponding item. The specification of a concrete value helps to ensure that the buyer orders the item that fits his needs best.

5.2.2 Catalogue Response transaction information requirements

5.2.2.1 General

ID	Requirement
tbr58-058	All transactions (catalogues and responses) must contain all information necessary for its application, i.e. it shall not rely on the availability of external references such as a centralized repository of item information. To ease the processing of a catalogue or a response, as no external data sources are needed.
tbr58-059	It must be possible to check the integrity and authentication of the information content and to audit these aspects of the content. To check that the catalogue or the response is authentic.

5.2.2.2 Header

ID	Requirement
tbr58-061	A Catalogue Response must have an id, an issue date and optionally an issue time.
tbr58-062	A Catalogue Response must refer to the id of the catalogue transaction it is responding to.
tbr58-053	In the case of rejection, the reason for the rejection has to be specified. The Catalogue Receiver can reject a transaction if it does not conform to the agreement under which the catalogue is delivered. By proving the information about the rejection, the Catalogue Provider will be enabled to correct the catalogue.
tbr58-056	The issuer of the response has to be specified. This is the Catalogue Receiver. To check, if the response comes from the correct Catalogue Receiver.
tbr58-057	The receiver of the response has to be specified. The receiver is the Catalogue Provider. To check, if the response was sent to the correct Catalogue Provider.
tbr58-060	The Catalogue Response may contain textual notes that may be used to make any comments or instructions relevant to the response.

5.3 Specific OpenPEPPOL requirements

ID:	Business term:	Description:
	HEADER LEVEL:	
OP-T19-019	General payment condition	A Catalogue must support the use of general payment condition.
OP-T19-021	Buyers contact person ID	A catalogue must support the use of ID for buyers contact person. Normally used for "Your reference".

ID:	Business term:	Description:
OP-T19-028	Party legal entity for provider	A catalogue must support the use of party legal entity for provider. Used to specify the legal entity of the provider.
OP-T19-029	Postal address for provider	In order to specify exactly who is the provider, the postal address for provider party must be supported in a catalogue
OP-T19-030	Party legal entity for receiver	A catalogue must support the use of party legal entity for receiver. Used to specify the legal entity of the receiver.
OP-T19-031	Postal address for receiver	In order to specify exactly who is the receiver, the postal address for receiver party must be supported in a catalogue
OP-T19-032	Issue date for referenced contract	A catalogue must support the use of issuedate for the referenced contract.
	LINE LEVEL:	
OP-T19-014	Maximum storage humidity	A catalogue must support the use of maximum storage humidity.
OP-T19-015	Minimum storage humidity	A catalogue must support the use of minimum storage humidity
OP-T19-016	Package volume	A catalogue must support the use of package volume
OP-T19-017	Package net weight exact	A catalogue must support the use of exact net weight for package
OP-T19-037	Package net weight approximately	A catalogue must support the use of approximately net weight for package
OP-T19-038	Dimension description	A catalogue must support the use of description for dimension. Used for differentiating dimensions with same attributeID.
OP-T19-018	Brand Name	A catalogue must support the use of brand name for an item
OP-T19-020	Minimum quantity guarantied for delivery	A catalogue must support the use of minimum quantity of an item guaranteed in a delivery
OP-T19-022	@name for ItemClassificationCode	A catalogue must support the name of the Item classification code
OP-T19-024	Base Quantity	A catalogue must support base quantity for the stated price
OP-T19-035	Orderable Unit Factor Rate	A catalogue must support the use of the factor used to convert Base Quantity into Orderable Unit
OP-T19-027	Transaction conditions	A catalogue must support the use of transaction conditions
OP-T19-036	Contract subdivision	A catalogue must support the use of contract subdivision. Used to reference a subsection of a contract
OP-T19-025	Quantity threshold	A catalogue must support the use of threshold for quantity. Used to indicate the threshold quantity for the given price.
OP-T19-026	Quantity ceiling	A catalogue must support the use of quantity ceiling. Used to indicate maximum quantity for given price.

6 Code lists

6.1 Code lists for coded elements

Table of the code lists used in the Catalogue transaction:

Business Term	Source	Subset	Xpath	listID
Action Code on Line level	CEN BII2		cac:CatalogueLine/cbc:ActionCode	ACTIONCODE:BII2
Action Code on Header Level	PEPPOL		/Catalogue/cbc:ActionCode	ACTIONCODE:PEPPOL **Values** **Add** – Used when a catalogue is sent for the first time to the Catalogue Receiver. **Replace** – Replaces the entire catalogue referring to the contract. **Update** – Updates a current catalogue. **Delete** – Deletes a current catalogue.
Country Code	ISO 3166-1 alpha2		cac:Country/cbc:Identificationcode	ISO3166-1:Alpha2
Unit Of Measure	UN/ECE Rec 20		@unitCode cbc:OrderableUnit	UNECERec20 Note: Use this list identifier in the attribute unitCodelistID
Package Level Code	GS1 7009	PEPPOL	cbc:PackageLevelCode	GS17009:PEPPOL **Values** **CU** – Base Unit level **DU** – Pallet level **TU** – Case level **HN** – Handling Unit
UNDG Code	UN EDIFACT 8273		cbc:UNDGCode	UNCL8273
Transport Handling Unit Type Code	UN/ECE Rec 21		cbc:TransportHandlingUnitTypeCode	UNECERec21
Currency Code	ISO 4217		@currencyID	ISO4217 Note: Do not validate list identifier.
Response code	UN CEFACT 4343	PEPPOL	cbc:ResponseCode	UNCL4343 Values AP - Accepted RE - Rejected

6.1.1 Code lists

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

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

UNEDIFACT 8273
http://www.unece.org/trade/untdid/d08a/tred/tred8273.htm

ISO 4217
http://www.currency-iso.org/dam/downloads/dl_iso_table_a1.xml

UN/EDIFACT 6313
http://www.unece.org/fileadmin/DAM/trade/edifact/code/6313cl.htm

UNEDIFACT 4343
http://www.unece.org/fileadmin/DAM/trade/edifact/code/4343cl.htm

6.2 Code lists for identifier schemes

The table of the code lists below describes constrains for the values of schemeID for identifiers in the Catalogue transaction. schemeID indicates what type of identifier is used (for example the type of numbering system) **(Mandatory)**

Business Term	Allowed SchemeID	Applicable Xpath	Note
Party Identifier	See "PEPPOL Policy for using Identifiers"	cbc:EndpointID/@schemeID cac:PartyIdentification/cbc:ID/@schemeID	Check allowed scheme identifiers
Attribute Identifier	UNCL6313	cbc:AttibuteID	Check the scheme identifier is UNCL6313 and the attribute identifiers belong to the list.
Tax Category Identifier	Use UNECE5305 CEN BII2 subset.	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 Catalogue business rules

Rule ID	Rule	error level
BII2-T19-R001	A catalogue MUST have a customization identifier	fatal
BII2-T19-R002	A catalogue MUST have a profile identifier	fatal
BII2-T19-R003	A catalogue MUST contain the date of issue	fatal
BII2-T19-R004	A catalogue MUST contain the catalogue document identifier	fatal
BII2-T19-R006	A validity period end date MUST be later or equal to a validity period start date if both validity period end date and validity period start date are present	fatal
BII2-T19-R007	The party providing the catalogue MUST be specified	fatal
BII2-T19-R008	The party receiving the catalogue MUST be specified	fatal
BII2-T19-R009	A catalogue MUST have maximum one catalogue supplier	fatal
BII2-T19-R010	A catalogue provider MUST contain the full name or an identifier	fatal
BII2-T19-R011	A catalogue receiver MUST contain the full name or an identifier	fatal
BII2-T19-R012	A catalogue supplier MUST contain the full name or an identifier	fatal
BII2-T19-R013	A catalogue customer MUST contain the full name or an identifier	fatal
BII2-T19-R015	Prices of items MUST not be negative	fatal
BII2-T19-R017	Catalogue line validity period MUST be within the range of the whole catalogue validity period	warning
BII2-T19-R018	Price validity period MUST be within the range of the whole catalogue line validity period	warning
BII2-T19-R019	An item in a catalogue line SHOULD have a name	warning
BII2-T19-R020	An item in a catalogue line MUST be uniquely identifiable by at least one of the following: - Catalogue Provider identifier - Standard identifier	fatal
BII2-T19-R021	Standard Identifiers SHOULD contain the Schema Identifier (e.g. GTIN)	warning
BII2-T19-R022	Classification codes SHOULD contain the Classification scheme Identifier (e.g. CPV or UNSPSC)	warning
BII2-T19-R023	A catalogue MUST have at least one catalogue line	fatal
BII2-T19-R024	A catalogue line MUST contain a unique line identifier	fatal
BII2-T19-R026	Orderable quantities MUST be greater than zero	fatal
BII2-T19-R027	An item property data name MUST specify a data value	fatal
BII2-T19-R029	Maximum quantity MUST be greater than zero	warning

Rule ID	Rule	error level
BII2-T19-R030	Minimum quantity MUST be greater than zero	warning
BII2-T19-R031	Maximum quantity MUST be greater or equal to the Minimum quantity	warning
EUGEN-T19-R043	An endpoint identifier MUST have a scheme identifier attribute	fatal
EUGEN-T19-R044	A party identifier MUST have a scheme identifier attribute	fatal
EUGEN-T19-R045	A catalogue line action code MUST have a list identifier attribute "ACTIONCODE:BII2"	fatal
EUGEN-T19-R046	A catalogue header action code MUST have a list identifier attribute "ACTIONCODE:PEPPOL"	fatal
EUGEN-T19-R047	A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"	fatal
EUGEN-T19-R048	A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"	fatal
EUGEN-T19-R049	A classified tax category identifier MUST have a scheme identifier attribute "UNCL5305"	fatal
EUGEN-T19-R050	A package level code MUST have a list identifier attribute "GS17009:PEPPOL"	fatal
EUGEN-T19-R051	A UNDG code MUST have a list identifier attribute "UNCL8273"	fatal
EUGEN-T19-R053	An attribute identifier MUST have an scheme identifier "UNCL6313"	fatal

7.2 Catalogue response business rules

RuleID	Rule	error level
BII2-T58-R001	A catalogue response MUST have a profile identifier	fatal
BII2-T58-R002	A catalogue response MUST have a customization identifier	fatal
BII2-T58-R003	A catalogue response MUST contain the date of issue	fatal
BII2-T58-R004	A catalogue response MUST contain the response identifier	fatal
BII2-T58-R005	The party sending the catalogue response MUST be specified	fatal
BII2-T58-R006	The party receiving the catalogue response MUST be specified	fatal
BII2-T58-R007	A catalogue response sending party MUST contain the full name or an identifier	fatal
BII2-T58-R008	A catalogue response receiving party MUST contain the full name or an identifier	fatal
BII2-T58-R009	A catalogue rejection MUST contain a response decision	fatal
BII2-T58-R010	A catalogue response MUST contain a reference to the corresponding catalogue	fatal
EUGEN-T58-R001	An endpoint identifier MUST have a scheme identifier attribute	fatal
EUGEN-T58-R002	A party identifier MUST have a scheme identifier attribute	fatal
EUGEN-T58-R003	A response code MUST have a list identifier attribute "UNCL4343"	fatal

7.3 Code lists business rules

Rule ID	Rule	Error level
CL-T19-001	The action code for a catalogue line MUST be Add, Update or Delete if present	fatal
CL-T19-002	For Mime code in attribute use MIME Media Type	fatal
CL-T19-004	Tax categories MUST be coded using UN/ECE 5305 code list	fatal
OP-T19-001	Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2	fatal
OP-T19-002	Unit code MUST be coded according to the UN/ECE Recommendation 20	fatal
OP-T19-003	UNDG MUST be coded according to the UN EDIFACT 8273 code list	fatal
OP-T19-005	An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.	fatal
OP-T19-006	An Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers	fatal
OP-T19-007	An action code at header level MUST be from the PEPPOL action code list.	fatal
OP-T19-008	A package level code MUST be from the PEPPOL subset of GS1 7009 code list.	fatal
OP-T19-009	An attribute identifier MUST be from the UN EDIFACT 6313 code list.	fatal
OP-T19-010	Orderable unit code MUST be coded according to the UN/ECE Recommendation 20	fatal
OP-T19-011	Currency ID MUST be coded using ISO code list 4217	fatal
OP-T19-012	languageID MUST be coded using ISO code list 639-1	fatal
OP-T19-013	A Party Company Identifier Scheme MUST be from the list of PEPPOL Party Identifiers	fatal
OP-T58-001	An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.	fatal
OP-T58-002	A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers	fatal
OP-T58-003	A Response code MUST be from the UN CEFACT 4343 code list PEPPOL subset.	fatal

8 Differences between PEPPOL BIS version 3 and version 4

8.1 Features added in BII2

Business term	UBL binding
Source catalogue identifier	Catalogue/cac:SourceCatalogueReference
Catalogue action code	Catalogue/cbc:ActionCode
Manufacturers item identifier	Catalogue/cac:CatalogueLine/cac:Item/cac:ManufacturersItemIdentification/cbc:ID
Item VAT percentage	Catalogue/cac:CatalogueLine/cac:Item/cac:ClassifiedTaxCategory/cbc:Percent
Item best before date	Catalogue/cac:CatalogueLine/cac:Item/cac:ItemInstance/cbc:BestBeforeDate
Item batch identifier	Catalogue/cac:CatalogueLine/cac:Item/cac:ItemInstance/cac:LotIdentification/cbc:LotNumberID
Label Name	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/cbc:ID
Label value	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/cbc:Remarks
Label type	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/cbc:CertificateType
Label Reference	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/cac:DocumentReference/cbc:ID
Property classification	Catalogue/cac:CatalogueLine/cac:Item/cac:AdditionalItemProperty/cbc:ValueQualifier
Property unit of measure	Suggested syntax binding: cac:AdditionalItemProperty/cbc:ValueQuantity/unitCode
Price type	Catalogue/cac:CatalogueLine/cac:RequiredItemLocationQuantity/cac:Price/cbc:PriceType
Standard unit of measure	Catalogue/cac:CatalogueLine/cac:ItemComparison/cbc:Quantity/@unitCode
ComponentRelatedItem/ Item identifier	Catalogue/cac:CatalogueLine/cac:ComponentRelatedItem/cbc:ID
ComponentRelatedItem/ Item quantity	Catalogue/cac:CatalogueLine/cac:ComponentRelatedItem/cbc:Quantity
AccessoryRelatedItem/ Item identifier	Catalogue/cac:CatalogueLine/cac:AccessoryRelatedItem/cbc:ID
AccessoryRelatedItem/ Item quantity	Catalogue/cac:CatalogueLine/cac:AccessoryRelatedItem/cbc:Quantity
ReplacedItem/ Item identifier	Catalogue/cac:CatalogueLine/cac:ReplacedRelatedItem/cbc:ID
ReplacedItem/ Item quantity	Catalogue/cac:CatalogueLine/cac:ReplacedRelatedItem/cbc:Quantity
ItemPackaging/ Packed units	Catalogue/cac:CatalogueLine/cac:ComponentRelatedItem/cbc:Quantity/@unitCode
ItemPackaging/ Packed quantity	Catalogue/cac:CatalogueLine/cac:Item/cbc:PackQuantity and Catalogue/cac:CatalogueLine/cac:ComponentRelatedItem/cbc:Quantity
Consumable unit	Catalogue/cac:CatalogueLine/cac:RequiredItemLocationQuantity/cac:DeliveryUnit/cbc:ConsumerUnitQuantity/@unitCode
Consumable unit quantity	Catalogue/cac:CatalogueLine/cac:RequiredItemLocationQuantity/cac:DeliveryUnit/cbc:ConsumerUnitQuantity
Packaging level	Catalogue/cac:CatalogueLine/cbc:PackLevelCode
Height	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure
Length	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure
Width	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure

Business term	UBL binding
Weight	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure
Minimum storage temperature	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:MinimumMeasure
Maximum storage temperature	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:MaximumMeasure

8.2 Features removed

Business term	
Building Number for Supplier	General decision for all BIS documents
Postbox for Supplier	General decision for all BIS documents
Department for Supplier	General decision for all BIS documents
PartyTaxScheme/ CompanyIdentifier	General decision for all BIS documents

8.3 Differences in representation

Business term	
Tax Scheme ID	BII2 does not allow for en explicit specification of Tax Scheme ID = VAT as VAT is assumed to be the only tax scheme specified. In the current PEPPOL BIS this is expected to be explicitly stated although the same restriction applies.
Contact person for Supplier and Customer	BII2 only allow for the specification of Contact Person Name and not different elements for First name, Middle name and Family name.
Item property type and value	This specific field is not recognized in the BII2 requirement model as it does not assume any given syntax implementation.
Item expiry date	Moved from "ItemInstance/LotIdentification" to "AdditionalItemProperty"

8.4 Features added as extensions or changes to BII2

Restrictions made in form of new business rules are not listed in this section, for these we refer to chapter 7 and the Conformance statement document. Descriptions of the new requirements are found in chapter 5.3.

Business term	Requested by	UBL binding
Contracted item indicator	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:TransactionConditions/ cbc:ActionCode. ActionCode="CT" Contracted item indicator
Contract subdivision	Denmark	Used to reference subsection of contract Catalogue/cac:CatalogueLine/cbc:ContractSubdivision
External item specifiations type	Norway	Catalogue/cac:CatalogueLine/cac:Item/ cac:ItemSpecificationDocumentReference/cbc :DocumentTypeCode. Changed from cbc:DocumentDescription in BII.
Maximum storage humidity	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/ cbc:MaximumMeasure.
Minimum storage humidity	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/ cbc:MinimumMeasure.
Package volume	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure AttributeID=ABJ
Package net weight exact	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure AttributeID=AAF

Business term	Requested by	UBL binding
Package net weight approximately	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Measure AttributeID=AAL
Dimension description	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:Dimension/cbc:Description
Brand Name	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cbc:BrandName
General payment condition	Italy	Catalogue cac:TradingTerms/cbc:Information
Minimum quantity guarantied for delivery	Italy	Catalogue/cac:CatalogueLine/cac:Itemcac:AdditionalItemProperty/ cbc:ValueQuantity
Contact Person ID	Norway	Catalogue/cac:ContractorCustomerParty/cac:Party/cac:Contact/cbc:ID
@name for ItemClassificationCode	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:CommodityClassification/ cbc:ItemClassificationCode/@name
Base Quantity	Sweden	Catalogue/cac:CatalogueLine/ cac:RequiredItemLocationQuantity/cbc:BaseQuantity
Orderable Unit Factor Rate	Denmark	Catalogue/cac:CatalogueLine/cac:RequiredItemLocationQuantity/ cac:Price/cbc:OrderableUnitFactorRate. Factor to convert Base Quantity to an Orderable Unit.
Quantity threshold	Sweden	Catalogue/cac:CatalogueLine/ cac:RequiredItemLocationQuantity/cbc:MinimumQuantity
Quantity ceiling	Sweden	Catalogue/cac:CatalogueLine/ cac:RequiredItemLocationQuantity/cbc:MaximumQuantity
Transaction conditions	Sweden	Catalogue/cac:CatalogueLine/cac:Item/cac:TransactionConditions/ cbc:ID and cbc:ActionCode ActionCode="VQ": Variable measure indicator ActionCode="RC": Returnable unit, indicator ActionCode="SER": Trade item is a service ActionCode="MTO": Trade item is produced after it has been ordered
Party Legal Entity for provider	Denmark	Catalogue/cac:ProviderParty/cac:PartyLegalEntity
Postal Address for Provider	Denmark	Catalogue/cac:ProviderParty/cac:PostalAddress
Party Legal Entity for Receiver	Denmark	Catalogue/cac:ReceiverParty/cac:PartyLegalEntity
Postal address for Receiver	Denmark	Catalogue/cac:ReceiverParty/cac:PostalAddress
Issue date for referenced contract	Denmark	Catalogue/cac:ReferencedContract/cbc:IssueDate
Issuer Party name for certificate	Common	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/cac:IssuerParty/ cac:PartyName. Composite element IssuerParty is mandatory in UBL.
DocumentTypeCode for certificate	Common	Catalogue/cac:CatalogueLine/cac:Item/cac:Certificate/ cbc:CertificateTypeCode. Certificate Type Code is mandatory in UBL.
Consumable Unit Quantity	Common	Changed UBL binding to: Catalogue/cac:CatalogueLine/cac:CatalogueItem/cbc:PackSizeNumeric
Validity period for Price	Sweden	Changed UBL binding to: Catalogue/cac:CatalogueLine/cac:RequiredItemLocationQuantity/ cac:Price/cac:ValidityPeriod
Item Net quantity	Common	Changed UBL binding to: Catalogue/cac:CatalogueLine/cbc:ContentUnitQuantity
ExtendedID	Common	Removed element Catalogue/cac:CatalogueLine/cac:Item/

Business term	Requested by	UBL binding
		cac:SellersItemIdentification/cbc:ExtendedID to be in compliance with other BIS documents.

9 Process and typical scenarios

9.1 Process chart
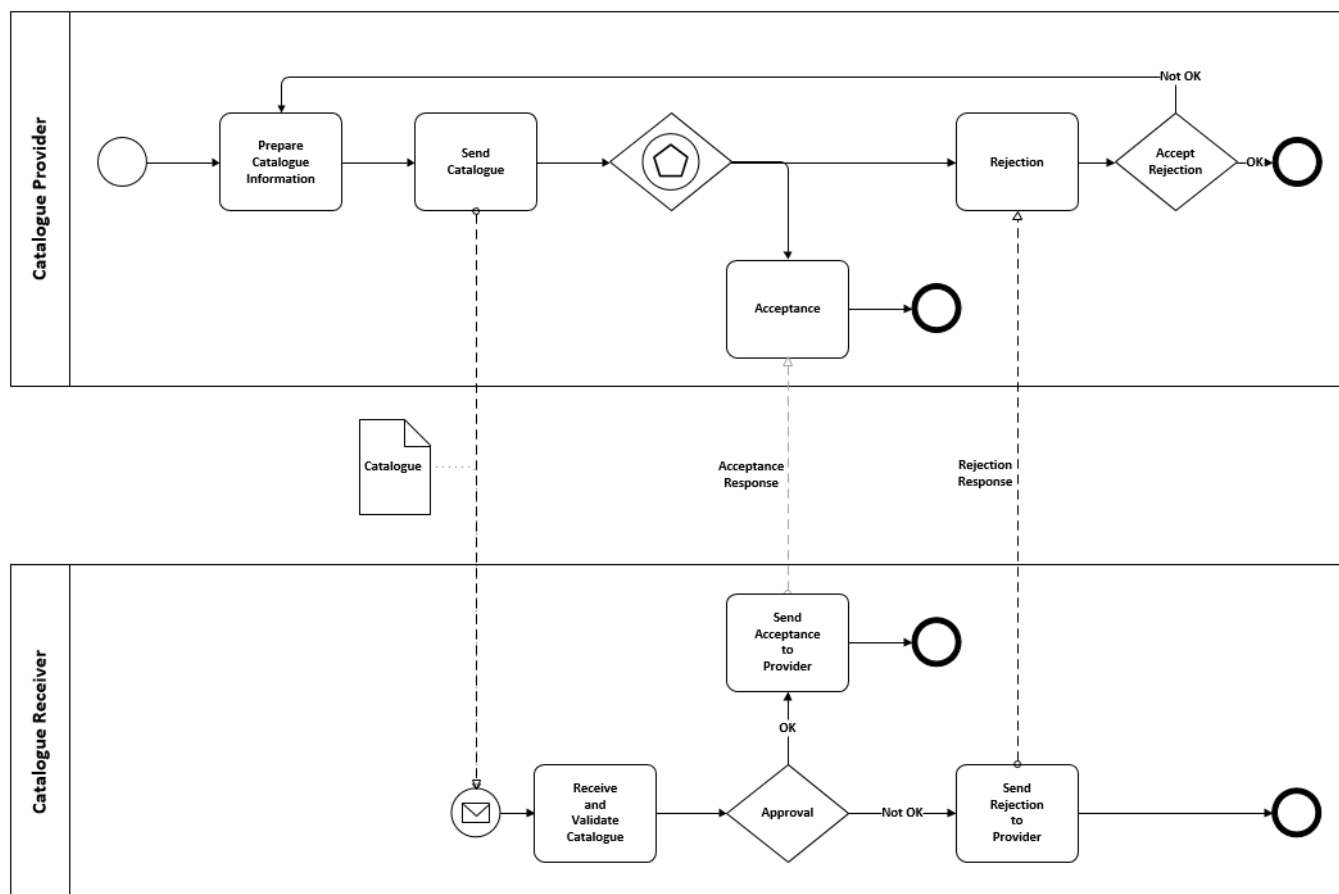
Any time limits for the catalogue response must be agreed between the parties as a part of the collaboration agreement. An acceptance/rejection of the catalogue is seen as a technical acceptance/rejection of the catalogue, and not an acceptance/rejection of the detailed content of the catalogue. Any further processing is outside scope of this BIS, and is in most cases done in the customers catalogue tool.

9.2 Use case 1 – New Catalogue and positive Catalogue Response

This use case includes a simple catalogue containing mandatory information and information required to get a high performance from the buyers search engine. The catalogue contains both products and services. This is the first catalogue to the receiver.

Use Case No	1
Use Case Name	A new catalogue from the Seller and accept from the Buyer.
Use Case	The provider sends a catalogue to the receiver.

Description	The catalogue contains the articles that the buyer and seller have agreed on in a contract. This is the first catalogue being sent on this contract. After receiving the catalogue, the buyer accepts the catalogue using a response message.
Parties involved	Catalogue Provider (same legal entity as the Supplier/Seller in this use case) Catalogue Receiver (same legal entity as the Customer/Buyer in this use case)

Assumptions	1. The Seller and the Buyer have a contract of products and services that the buyer may purchase from the Seller.
	2. The parties have agreed to exchange the catalogue and catalogue response messages
	3. The articles are
	    a. Physical articles (pens and papers)
	    b. Fruits
	    c. Services

The flow	1. The Seller identifies the contracted items 2. The Provider creates a Catalogue message 3. The Provider sends the message to the Receiver 4. The Buyer verifies the content in the message consider to accept or reject the catalogue. 5. The Buyer sends a Catalogue response with accept. 6. The Buyer inserts the articles from the catalogue message in the local ERP-system.
Result	1. The Buyer have all the articles and the contracted prices in the ERP-system and may start ordering 2. The ordering process is easy when you have all necessary information in the ERP-system. *Please note that the ordering process is not part of this BIS. For ordering, please see PEPPOL BIS 3A.*
XML example file	See Annex A for sample Catalogue and catalogue response files illustrating Use Case 1.

9.3 Use case 2 – Catalogue update and negative response

This is an **Update** of the catalogue based on Use case 1.

Use Case No	2
Use Case Name	Catalogues update from the provider and reject from the receiver.
Use Case Description	The provider sends a catalogue update to the receiver. The catalogue contains changes in the previous catalogue. After receiving the catalogue, the buyer rejects the catalogue using a response message.
Parties involved	Catalogue Provider (same legal entity as the Supplier/Seller in this use case) Catalogue Receiver (same legal entity as the Customer/Buyer in this use case)

Assumptions	1. The Seller has previously sent a catalogue to the Buyer.
	2. The Seller wants to update the catalogue
	    a. One article is updated (GTIN is added)
	    b. One new article is added
	    c. One article is deleted

The flow	1. The Seller identifies the items to be in the Catalogue update 2. The Provider creates a Catalogue message 3. The Provider sends the message to the Receiver 4. The Buyer verifies the content in the message and considers to accept or reject the catalogue. 5. The Buyer sends a Catalogue response with reject.

	6. The Seller handles the negative response.
Result	1. The Buyer did not insert the changes in the ERP-system 2. The Seller needs to correct the information in his ERP-system.
XML example file	See Annex A for sample Catalogue and catalogue response files illustrating Use Case 2.

9.4 Use case 3 – Replace of catalogue and positive response

This is a **Replace** of the catalogue based on Use case 1 and 2.

Use Case No	3
Use Case Name	Catalogues replace from the provider and accept from the receiver.
Use Case Description	The provider sends a catalogue replace to the receiver. The catalogue contains all the contracted items and replaces the previous accepted catalogue. After receiving the catalogue, the buyer accepts the catalogue using a response message.
Parties involved	Catalogue Provider (same legal entity as the Supplier/Seller in this use case) Catalogue Receiver (same legal entity as the Customer/Buyer in this use case)
Assumptions	1. The Seller has previously sent a new catalogue to the Buyer which has been accepted. 2. The Seller has sent an update of the catalogue which was rejected by the buyer 3. The Seller sends a replace catalogue a. All articles that the supplier had identified in the contract, including the new one in the rejected catalogue. b. One article from the previous accepted catalogue is not in this catalogue. c. Three more new articles are added. Shampoo presented in a hierarchy.
The flow	1. The Seller identifies the items to be in the Catalogue update 2. The Provider creates a Catalogue message 3. The Provider sends the message to the Receiver 4. The Buyer verifies the content in the message and accepts the catalogue. 5. The Buyer sends a Catalogue response with accept.
Result	1. The Buyer has all the articles and the contracted prices in the ERP-system and may start ordering 2. The ordering process is easy when you have all necessary information in the ERP-system. *Please note that the ordering process is not part of this BIS. For ordering, please see PEPPOL BIS 3A.*
XML example file	See Annex A for sample Catalogue and catalogue response files illustrating Use Case 3.

9.5 Use case 4 – Catalogue deletion and positive response

This is a **Deletion** of the catalogue based on Use case 3.

Use Case No	4
Use Case Name	Catalogue deletion.
Use Case Description	The provider sends a catalogue deletion to the receiver. The catalogue deletes the previous accepted catalogue. After receiving the catalogue deletion, the buyer accepts the catalogue using a response message.
Parties involved	Catalogue Provider (same legal entity as the Supplier/Seller in this use case) Catalogue Receiver (same legal entity as the Customer/Buyer in this use case)

Assumptions	1. The Seller has previously sent a catalogue to the Buyer which has been accepted. 2. The Seller and the Buyer have ended their contract
The flow	1. The Seller identifies the current active catalogue to be deleted 2. The Provider creates a Catalogue message 3. The Provider sends the message to the Receiver 4. The Buyer verifies the content in the message and accepts the catalogue. 5. The Buyer sends a Catalogue response with accept. 6. The Buyer, in his ERP system, deactivates the items identified in the catalogue message.
Result	1. The Buyer can no longer make en order to the supplier from this catalogue.
XML example file	See Annex A for sample Catalogue and catalogue response files illustrating Use Case 4.

9.6 Use case 5 – Catalogue with all possible information and positive response

This is an Update of a previous sent catalogue and not based on any of the other uses cases. The catalogue includes all possible information in a BIS catalogue. Some information may not be relevant, but is in the catalogue for giving an example.

Use Case No	5
Use Case Name	Catalogue with all information.
Use Case Description	The provider sends a catalogue deletion to the receiver.
Parties involved	Catalogue Provider Supplier/Seller Catalogue Receiver Customer/Buyer
Assumptions	1. The Seller has previously sent a catalogue to the Buyer which has been accepted. 2. The Seller needs to send a new article to update the previous catalogue.
The flow	1. The Seller identifies the article to be added 2. The Provider creates a Catalogue message 3. The Provider sends the message to the Receiver 4. The Buyer verifies the content in the message and considers the catalogue acceptable. 5. The Buyer sends a Catalogue response with accept. 6. The Buyer inserts/updates the information from the catalogue message in the local ERP-system..
Result	1. The Buyer have the articles and the contracted prices in the ERP-system and may start ordering *Please note that the ordering prosess is not part of this BIS. For ordering, please see PEPPOL BIS 3A.*
XML example file	See Annex A for sample Catalogue and catalogue response files illustrating Use Case 5.

10 Description of selected parts of the catalogue message

10.1 Parties

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

10.1.1 Catalogue Provider (ProviderParty)

The party that is responsible for the preparation and transfer of the Catalogue to the Catalogue receiver. Can be the Supplier itself or a third party providing this service.

Example:

```
<cac:ProviderParty>
        <cbc:EndpointID schemeID="GLN">5790000436125</cbc:EndpointID>
        <cac:PartyIdentification>
                <cbc:ID schemeID="NO:ORGNR">968993038</cbc:ID>
        </cac:PartyIdentification>
        <cac:PartyName>
                <cbc:Name>Office AS</cbc:Name>
        </cac:PartyName>
</cac:ProviderParty>
```

10.1.2 Catalogue Receiver (ReceiverParty)

The party that is responsible for the reception and control of the Catalogue. Can be the Customer itself or a third party providing this service to the Customer.

Example:

```
<cac:ReceiverParty>
        <cbc:EndpointID schemeID="NO:ORGNR">991825827</cbc:EndpointID>
        <cac:PartyIdentification>
                <cbc:ID schemeID="NO:ORGNR">991825827</cbc:ID>
        </cac:PartyIdentification>
        <cac:PartyName>
                <cbc:Name>DIFI</cbc:Name>
        </cac:PartyName>
</cac:ReceiverParty>
```

10.1.3 Supplier (SellerSupplierParty)

The party that is responsible for the delivery of products or services specified in the Catalogue.

Example:

```
<cac:SellerSupplierParty>
        <cac:Party>
                <cac:PartyName>
                        <cbc:Name>Office AS</cbc:Name>
                </cac:PartyName>
                <cac:PostalAddress>
                        <cbc:StreetName>Office street 12</cbc:StreetName>
                        <cbc:CityName>oslo</cbc:CityName>
                        <cbc:PostalZone>1163</cbc:PostalZone>
                        <cbc:CountrySubentity>Oslo</cbc:CountrySubentity>
                        <cac:Country>
                                <cbc:IdentificationCode listID="ISO3166-1:Alpha2">NO
                                </cbc:IdentificationCode>
                        </cac:Country>
                </cac:PostalAddress>
                <cac:Contact>
```

```
                    <cbc:ElectronicMail>kontor@online.no</cbc:ElectronicMail>
                </cac:Contact>
            </cac:Party>
        </cac:SellerSupplierParty>
```

10.1.4 Buyer (ContractorCustomerParty)

The party buying products or services from the Catalogue.
Example:

```
        <cac:ContractorCustomerParty>
            <cac:Party>
                <cbc:EndpointID/>
                <cac:PartyIdentification>
                    <cbc:ID schemeID="DK:CVR">DK16356706</cbc:ID>
                </cac:PartyIdentification>
                <cac:PartyName>
                    <cbc:Name>DIGST</cbc:Name>
                </cac:PartyName>
                <cac:Contact>
                    <cbc:ElectronicMail>postmottak@digst.dk</cbc:ElectronicMail>
                </cac:Contact>
            </cac:Party>
        </cac:ContractorCustomerParty>
```

10.1.5 Manufacturer (ManufacturerParty)

The name of the Manufacturer.
Example:

```
        <cac:ManufacturerParty>
            <cac:PartyName>
                <cbc:Name>FICTIVE INDUSTRY INC</cbc:Name>
            </cac:PartyName>
        </cac:ManufacturerParty>
```

10.2 Other key elements

10.2.1 Action code

The Action code holds instructions about the treatment of the Catalogue by the recipients system. The Action code can be stated either on header or line level. Please be aware that the below mentioned are codes, and hence the correct use of upper and lower case must be used. Example: Replace is valid, REPLACE is not valid.
Legal codes on Catalogue header level:

- Add – Used when a catalogue is sent for the first time to the Catalogue Receiver referring to the contract in the header of the catalogue.
- Replace – Replaces the entire catalogue referring to the contract. This is the default action.
- Update – Updates a current catalogue.
- Delete – deletes the entire catalogue

Example : `<cbc:ActionCode listID="ACTIONCODE:PEPPOL">Replace</cbc:ActionCode>`

Legal codes on Catalogue Line level:

- Add – Used to add items to the catalogue.
- Update – Used to update an item. The entire Catalogue Line is updated. Only used if Action code on header level is Update

- Delete – Used to delete an entire Catalogue line. Only used if Action code on header level is Update.

It is important to note that when updating or deleting on line level, the key identifier is the item ID (sellers item identification or standard item identification, see chapter 10.2.2.), not the line ID. If CatalogueLineReference is used in the corresponding order message (outside scope of this BIS), the numbering of Line ID must be consistent in all versions of the catalogue.

Example:
>   <cbc:ActionCode listID="ACTIONCODE:BII2">Update</cbc:ActionCode>

10.2.2 Item identification

Item identification must be sent using the identifiers described below.
- Sellers item identification
- Standard item identification, e.g. GTIN
- Manufacturers item identification which is necessary when the same product is bought from several suppliers.

Either Sellers item identification or Standard item identification must be sent. Manufacturer's item identification shall be sent if available. Which identifier to use depends on what is known at the time of catalogue exchange or what is commonly used in the relevant business sector.

Example 1, Sellers item identification:
>   <cac:SellersItemIdentification>
>   <cbc:ID>2451015</cbc:ID>
>   </cac:SellersItemIdentification>

Example 2, Standard item identification:
>   <cac:StandardItemIdentification>
>   <cbc:ID schemeID="GTIN">05790000436040</cbc:ID>
>   </cac:StandardItemIdentification>

10.2.3 Hazardous item
If an item is classified as Hazardous item, a reference to the relevant UNDG-code must be stated and further specification must be provided in an attached document or on a web-site (URI).
Example:

>   <cac:HazardousItem>
>   <cbc:UNDGCode listID="UNCL8273">3265</cbc:UNDGCode>
>   </cac:HazardousItem>

10.2.4 Item name and description

The Item name shall be sent in tag <Item/Name> on line level. It is the short description of an item commonly used in ERP-systems. An item name should make it possible for the user to distinguish between similar items. The Item name is often sent in the order from buyer to seller. The field length could be an agreement between parties, to make sure the supporting systems can handle the length.

<Item/Description> is used to provide additional relevant description of the item, in free text.

Example:

```
<cac:Item>
        <cbc:Description> Ballpoint pen, comes in different colours and tip sizes</cbc:Description>
        <cbc:PackQuantity unitCode="CT" unitCodeListID="UNECERec20">10</cbc:PackQuantity>
        <cbc:Name> Ballpoint pen. Blue colour  0.7 mm</cbc:Name>
</cac:Item>
```

10.2.5 Classification

An item may be classified according to UNSPSC being the mandatory public classification schemes in some countries/sectors. Products can also be classified according to regulatory schemes or classification schemes used in certain business sectors. The type of classification shall be stated in the attribute "listID". In some cases there is a need to add the name of the Item classification Code by using the attribute "name"

Example:

```
<cac:CommodityClassification>
        <cbc:ItemClassificationCode listID="UNSPSC">44121701
        </cbc:ItemClassificationCode>
</cac:CommodityClassification>
```

10.2.6 Keyword

Keywords are sent to let the Buyer search for an item without knowing the item identification or name. Keywords tag can be repeated (0..n), but the number should be limited to ensure correct handling in the receiving system.

It is also possible to send several keywords in the same tag, by using a separator between the different keywords. Which separator that should be used, must be agreed between the parties. Example of a separator can be the %-sign, as this is not used anywhere else.

Example of several keywords by using several <KeyWord>-tags:
```
<cac:Item>
        <cbc:Description>Day cream</cbc:Description>
        <cbc:PackQuantity unitCode="EA">50</cbc:PackQuantity>
        <cbc:Name>Ultimate Day cream, 250 ml</cbc:Name>
        <cbc:Keyword>Moisturizer</cbc:Keyword>
        <cbc:Keyword>Balm</cbc:Keyword>
        <cbc:Keyword>Lotion</cbc:Keyword>
        <cac:SellersItemIdentification>
                <cbc:ID>654321</cbc:ID>
        </cac:SellersItemIdentification>
</cac:Item>
```

Example of several keywords using "%" as separator:

```
<cbc:Keyword>write equipment%felt pen</cbc:Keyword>
```

10.2.7 Quantities and units

The table below lists quantities and units in the format. To all quantities there must be a legal Unit according to the Code list. For xml-examples for quantities and units, we refer to appendix A, test files.

Element /xPath	Description
/cac:CatalogueLine/cbc:OrderableUnit	Unit code for the line item. Mandatory if the item is orderable. Code according to Code list
/cac:CatalogueLine/cbc:ContentUnitQuantity	Quantity in consumable unit E.g. millilitre in bottle of shampoo.
/cac:CatalogueLine/cbc:OrderQuantityIncrementNumeric	Possible limitation to the number of articles that can be ordered. If the Quantity increment is 6 the article must be ordered in a quantity of 6, 12, 18 etc.
/cac:CatalogueLine/cbc:MinimumOrderQuantity	The smallest number of items that can be ordered (most often 1).
/cac:CatalogueLine/cbc:MaximumOrderQuantity	The largest number of items that can be ordered (most often not used).
/cac:CatalogueLine/cac:ItemComparison/cbc:Quantity	Quantity related to Price comparison.
/cac:CatalogueLine/cac:Item/cbc:PackQuantity	Number of items on next lower level, e.g. number of Consumer units in a Trading unit.
/cac:CatalogueLine/cac:Item/cbc:PackSizeNumeric	Number of Consumer units. E.g. number of bottles on a Pallet.
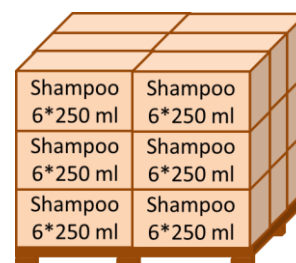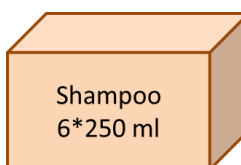
	1 bottle	Case of 6 bottles	Pallet of 18 cases
Line identifier	4	5	6
Supplier Item identifier	1111	111	11
Item Name	Shampoo 250 ml	6x250 ml Shampoo	Shampoo
Orderable unit	EA	CS	PF
Packaging level	CU	TU	DU
Packed units		EA	CS
Packed quantity		6	18
Consumable unit	EA	EA	EA
Consumable unit quantity	1	6	108
ItemNetQuantity	250	1500	27000
Unit	MLT	MLT	MLT

MinimumOrderQuantity	1	1	1
Unit	EA	EA	EA
Component related item Identifier		1111	111
Component related item quantity		6	18

	Pack of 500 sheets paper	Case of 5 packs paper	Pallet of 18 cases copypaper
Line identifier	7	8	9
Supplier Item identifier	A	AA	AAA
Item Name	500 copy paper	5*500 Copy paper	Pallet of paper
Orderable unit	EA	CS	PX
Packaging level	CU	TU	DU
Packed units		EA	EA
Packed quantity		5	18
Consumable unit	EA	EA	EA
Consumable unit quantity	1	5	90
ItemNetQuantity	500	2500	45000
Unit	EA	EA	EA
MinimumOrderQuantity	1	1	1
Unit	EA	EA	EA
Component related item Identifier		A	AA
Component related item quantity		5	18

10.2.8 Prices

All prices in the format are related to the article or service within this Catalogue identified by an item identification. The following prices can be stated:

- Net price including all discounts and charges but excluded VAT.
- Item comparison price defining price for a certain quantity. Used for comparing prices for different articles with various quantities.
- Conditional price related to a specific location, validity period or ordered quantity.
- Approximate price. The current price will be set on the order date. Commonly used for fruit, vegetables, fresh fish etc.

Example:

```
<cac:RequiredItemLocationQuantity>
        <cbc:LeadTimeMeasure unitCode="DAY">2</cbc:LeadTimeMeasure>
        <cac:Price>
                <cbc:PriceAmount currencyID="NOK">20.0000</cbc:PriceAmount>
        </cac:Price>
        <cac:DeliveryUnit>
                <cbc:BatchQuantity>1</cbc:BatchQuantity>
                <cbc:ConsumerUnitQuantity unitCode="EA" unitCodeListID="UNECERec20">1
                </cbc:ConsumerUnitQuantity>
        </cac:DeliveryUnit>
</cac:RequiredItemLocationQuantity>
```

10.2.9 Item labelling

Information about the items environmental, social, ethical and quality type of labelling.
Example:

```
<cac:Certificate>
        <cbc:ID>NEO</cbc:ID>
        <cbc:CertificateTypeCode>NA</cbc:CertificateTypeCode>
        <cbc:CertificateType>Environment</cbc:CertificateType>
        <cbc:Remarks languageID="no">Den nordiske Svanen</cbc:Remarks>
        <cac:IssuerParty>
                <cac:PartyName>
                        <cbc:Name>Den Nordiske Svanen</cbc:Name>
                </cac:PartyName>
        </cac:IssuerParty>
        <cac:DocumentReference>
                <cbc:ID>BAL</cbc:ID>
        </cac:DocumentReference>
</cac:Certificate>
```

10.2.10 Related items

Items can be related to each other for ordering or logistic purposes. All related items must also be sent as separate
Catalogue lines. Sellers article number is the only permitted type of article number.
Types of relations:

- Products that are bundled and ordered/invoiced together, e.g. bottles and deposits.
- Products that are connected in a product line or a logistics structure, e.g. consumer units and trading units of
  the same article.
- Accessories that might be sold together with a product, e.g. disk station to a laptop.

Example - The current item consists of 6 of Sellers article number 7690211, and 5 of article 523467:

```
<cac:ComponentRelatedItem>
        <cbc:ID>7690211</cbc:ID>
        <cbc:Quantity>6</cbc:Quantity>
</cac:ComponentRelatedItem>
<cac:ComponentRelatedItem>
        <cbc:ID>523467</cbc:ID>
        <cbc:Quantity>5</cbc:Quantity>
</cac:ComponentRelatedItem>
```

10.2.11 Logistics information

The Logistics elements can be used to specify different pack levels for the same item:

- Each pack level is regarded as a unique item and must be sent as a separate Catalogue line and
  identified with a unique identification such as GTIN.
- Information about pack level is done in the element PackLevelCode on line level. The Pack level
  codes are based on the Edifact/Eancom-standard and the following codes are available:
    o DU = Dispatch Unit
    o HN = Handling Unit (level between TU and DU).

o TU = Traded Unit
o CU = Consumer Unit

- It should be stated if the pack level is orderable.
- The relation between pack levels should be specified by using Component Related Item, e.g. that a Dispatch unit contains Traded units. For the higher level Packed Quantity should be used.

Example:

```xml
<cbc:PackLevelCode listID="GS17009:PEPPOL">TU</cbc:PackLevelCode>
```

10.2.12 Dimension

Physical properties are important for logistics. The following values can be stated:
- Height (HT)
- Width (WD)
- Length (LN)
- Weight (WT)
- Net Volume (AAX)

For some items it is important to inform about storage regulations. The following values can be stated:
- Temperature
- Humidity

Example:

```xml
<cac:Dimension>
        <cbc:AttributeID schemeID="UNCL6313">HT</cbc:AttributeID>
        <cbc:Measure unitCode="MMT">270</cbc:Measure>
</cac:Dimension>
<cac:Dimension>
        <cbc:AttributeID schemeID="UNCL6313">LN</cbc:AttributeID>
        <cbc:Measure unitCode="MMT">300</cbc:Measure>
</cac:Dimension>
```

10.2.13 Additional properties

Additional properties are meant for product properties that cannot be sent in any of the defined elements in this PEPPOL BIS. Additional properties consist of the Name of the property and the actual Value.
Example of additional properties:
- Color
- Allergens.
  Legal values: YES, NO, UNKNOWN, FREE.
- Nutrition.
  Stated with amount per 100 g/ml.
- Genetically modified.
  Legal values: True, False

```xml
<cac:AdditionalItemProperty>
        <cbc:Name>Color</cbc:Name>
        <cbc:Value>Red</cbc:Value>
        <cbc:ValueQualifier>Color</cbc:ValueQualifier>
```

```
            </cac:AdditionalItemProperty>
```

10.2.14 Replaced item

Replaced item is used to identify an existing item being replaced by an item in this Catalogue.

```
            <cac:ReplacedRelatedItem>
                    <cbc:ID>12345</cbc:ID>
                    <cbc:Quantity unitCode="EA" unitCodeListID="UNECERec20">5</cbc:Quantity>
            </cac:ReplacedRelatedItem>
```

11 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 following policies apply to this BIS:

11.1 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.

Example of using GS1 GLN (Global Location Number) as PartyIdentification:

```
<cac:PartyIdentification>
        <cbc:ID schemeID="GLN">4035811991014</cbc:ID>
</cac:PartyIdentification>
```

11.1.1 Using Danish organization number as PartyIdentification
In Denmark parties often are identified by a company organization number. This can be used for all parties.

The following examples denotes 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>
```

11.1.2 Using Swedish organization number as PartyIdentification
In Sweden parties often are identified by a company organization number. This can be used for all parties.

```
<cac:PartyIdentification>
        <cbc:ID schemeID="SE:ORGNR">5541277711</cbc:ID>
</cac:PartyIdentification>
```

11.1.3 Using Italian VAT number as PartyIdentification
In Italy parties often are identified by the VAT number. This can be used for all parties.

```
<cac:PartyIdentification>
        <cbc:ID schemeID=" IT:VAT"> IT01234567890</cbc:ID>
</cac:PartyIdentification>
```

11.2 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>

11.3 Profile ID

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

The following process identifier is used for the transactions of this BIS:

ProfileID: urn:www.cenbii.eu:profile:bii01:ver2.0

For implementers: Please note that process identifiers in the document instance MUST correspond to the SMP process identifier.

11.4 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|extend
ed|partly):<extensionId>].
```

Where:
- Transaction ID: `urn:www.cenbii.eu:transaction:biitrns019:ver2.0`
- Extension ID: `urn:www.peppol.eu:bis:peppol1a:ver4.0`

CustomizationID to use:
`urn:www.cenbii.eu:transaction:biitrns019:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver4.0`

Example of usage:

> <cbc:CustomizationID>
> urn:www.cenbii.eu:transaction:biitrns019:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver4.0
> </cbc:CustomizationID>

For implementers: Please note that CustomizationID element in the document instance MUST correspond to the Customization ID of the SMP Document Identifier.

11.5 Namespaces

The target namespace for the UBL2.1 Catalogue is:
> **urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2**

12 XML Schema Guideline and information content

12.1 Catalogue message

Occurrence	Element/Attribute	BII Business Term	Busine ss req.
	Catalogue		
1 .. 1	─**cbc:UBLVersionID**		
1 .. 1	─**cbc:CustomizationID**	Customization identifier	tir19-002
1 .. 1	─**cbc:ProfileID**	Profile identifier	tir19-001
1 .. 1	─**cbc:ID**	Catalogue identifier	tir19-003
0 .. 1	─**cbc:ActionCode**	Catalogue action code	tir19-047
0 .. 1	─**cbc:Name**	Catalogue name	tir19-005
1 .. 1	─**cbc:IssueDate**	Catalogue issue date	tir19-006
0 .. 1	─**cbc:VersionID**	Catalogue version	tir19-004
1 .. 1	**cac:ValidityPeriod**		
0 .. 1	─**cbc:StartDate**	Period start date	tir19-007
0 .. 1	─**cbc:EndDate**	Period end date	tir19-008
0 .. 1	**cac:ReferencedContract**		
1 .. 1	─**cbc:ID**	Reference identifier	tir19-028
0 .. 1	─**cbc:IssueDate**	Contract Issue date	OP-T19-032
0 .. 1	─**cbc:ContractType**	Reference type	tir19-052
0 .. 1	**cac:SourceCatalogueReference**		
1 .. 1	─**cbc:ID**	Source catalogue identifier	tir19-019
1 .. 1	**cac:ProviderParty**		
0 .. 1	─**cbc:EndpointID**	Electronic address ID	tir19-009
0 .. 1	**cac:PartyIdentification**		
1 .. 1	─**cbc:ID**	Party identifier	tir19-010
0 .. 1	**cac:PartyName**		
1 .. 1	─**cbc:Name**	Party name	tir19-011
0 .. 1	**cac:PostalAddress**		
0 .. 1	─**cbc:StreetName**	Address line 1	OP-T19-029a
0 .. 1	─**cbc:AdditionalStreetName**	Address line 2	OP-T19-029b
0 .. 1	─**cbc:CityName**	City	OP-T19-029c
0 .. 1	─**cbc:PostalZone**	Post code	OP-T19-029d
0 .. 1	─**cbc:CountrySubentity**	Country Subdivision	OP-T19-029e
0 .. 1	**cac:Country**		
0 .. 1	─**cbc:IdentificationCode**	Country code	OP-T19-029f
0 .. unbounded	**cac:PartyLegalEntity**		
0 .. 1	─**cbc:RegistrationName**	Provider legal registration name	OP-T19-028b
0 .. 1	─**cbc:CompanyID**	Provider legal registration identifier	OP-T19-028a
0 .. 1	**cac:RegistrationAddress**		
0 .. 1	─**cbc:CityName**	Provider legal registration city	OP-T19-028c
0 .. 1	**cac:Country**		
0 .. 1	─**cbc:IdentificationCode**	Provider legal registration country	OP-T19-028d
1 .. 1	**cac:ReceiverParty**		
0 .. 1	─**cbc:EndpointID**	Electronic address ID	tir19-012
0 .. 1	**cac:PartyIdentification**		
1 .. 1	─**cbc:ID**	Party identifier	tir19-013
0 .. 1	**cac:PartyName**		
1 .. 1	─**cbc:Name**	Party name	tir19-014
0 .. 1	**cac:PostalAddress**		
0 .. 1	─**cbc:StreetName**	Address line 1	OP-T19-031a
0 .. 1	─**cbc:AdditionalStreetName**	Address line 2	OP-T19-031b
0 .. 1	─**cbc:CityName**	City	OP-T19-031c
0 .. 1	─**cbc:PostalZone**	Post code	OP-T19-031d
0 .. 1	─**cbc:CountrySubentity**	Country Subdivision	OP-T19-031e
0 .. 1	**cac:Country**		
0 .. 1	─**cbc:IdentificationCode**	Country code	OP-T19-031f

Occurrence	Element/Attribute	BII Business Term	Business req.
0 .. unbounded	cac:PartyLegalEntity		
0 .. 1	cbc:RegistrationName	Receiver legal registration name	OP-T19-030b
0 .. 1	cbc:CompanyID	Receiver legal registration identifier	OP-T19-030a
0 .. 1	cac:RegistrationAddress		
0 .. 1	cbc:CityName	Receiver legal registration city	OP-T19-030c
0 .. 1	cac:Country		
0 .. 1	cbc:IdentificationCode	Receiver legal registration country	OP-T19-030d
0 .. 1	cac:SellerSupplierParty		
0 .. 1	cac:Party		
0 .. 1	cbc:EndpointID	Electronic address ID	tir19-015
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Party identifier	tir19-016
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Party name	tir19-017
0 .. 1	cac:PostalAddress		
0 .. 1	cbc:StreetName	Address line 1	tir19-021
0 .. 1	cbc:AdditionalStreetName	Address line 2	tir19-022
0 .. 1	cbc:CityName	City	tir19-023
0 .. 1	cbc:PostalZone	Post code	tir19-024
0 .. 1	cbc:CountrySubentity	Country subdivision	tir19-025
0 .. 1	cac:Country		
0 .. 1	cbc:IdentificationCode	Country code	tir19-026
0 .. 1	cac:Contact		
0 .. 1	cbc:Name	Contact person name	tir19-027
0 .. 1	cbc:Telephone	Contact telephone number	tir19-030
0 .. 1	cbc:Telefax	Contact fax number	tir19-029
0 .. 1	cbc:ElectronicMail	Contact email address	tir19-031
0 .. 1	cac:ContractorCustomerParty		
0 .. 1	cac:Party		
0 .. 1	cbc:EndpointID	Electronic address ID	tir19-054
0 .. 1	cac:PartyIdentification		
1 .. 1	cbc:ID	Party identifier	tir19-055
0 .. 1	cac:PartyName		
1 .. 1	cbc:Name	Party name	tir19-079
0 .. 1	cac:Contact		
0 .. 1	cbc:ID	Contact ID	OP-T19-021
0 .. 1	cbc:Name	Contact person name	tir19-080
0 .. 1	cbc:Telephone	Contact telephone number	tir19-082
0 .. 1	cbc:Telefax	Contact fax number	tir19-081
0 .. 1	cbc:ElectronicMail	Contact email address	tir19-083
0 .. unbounded	cac:TradingTerms		
0 .. unbounded	cbc:Information	General payment conditions	OP-T19-019
1 .. unbounded	cac:CatalogueLine		
1 .. 1	cbc:ID	Line identifier	tir19-032
0 .. 1	cbc:ActionCode	Line action code	tir19-033
0 .. 1	cbc:ContractSubdivision	Contract Subdivision	OP-T19-036
0 .. 1	cbc:OrderableIndicator	Orderable indicator	tir19-034
0 .. 1	cbc:OrderableUnit	Orderable unit	tir19-035
0 .. 1	cbc:ContentUnitQuantity	Item net quantity	tir19-061
0 .. 1	cbc:OrderQuantityIncrementNumeric	Order quantity increment	tir19-037
0 .. 1	cbc:MinimumOrderQuantity	Minimum order quantity	tir19-038
0 .. 1	cbc:MaximumOrderQuantity	Maximum order quantity	tir19-039
0 .. 1	cbc:WarrantyInformation	Line warranty information	tir19-040
0 .. 1	cbc:PackLevelCode	Packaging level	tir19-102
0 .. 1	cac:LineValidityPeriod		

Occurrence	Element/Attribute	BII Business Term	Business req.
0 .. 1	╙cbc:StartDate	Period start date	tir19-041
0 .. 1	╙cbc:EndDate	Period end date	tir19-042
0 .. unbounded	**cac:ItemComparison**		
0 .. 1	╙cbc:PriceAmount	Standardized unit price	tir19-043
0 .. 1	╙cbc:Quantity	Standard unit quantity	tir19-044
0 .. unbounded	**cac:ComponentRelatedItem**		
0 .. 1	╙cbc:ID	Item identifier	tir19-045
0 .. 1	╙cbc:Quantity	Item quantity	tir19-046
0 .. unbounded	**cac:AccessoryRelatedItem**		
0 .. 1	╙cbc:ID	Item identifier	tir19-118
0 .. 1	╙cbc:Quantity	Item quantity	tir19-119
0 .. unbounded	**cac:RequiredRelatedItem**		
0 .. 1	╙cbc:ID	Item identifier	tir19-048
0 .. 1	╙cbc:Quantity	Item quantity	tir19-049
0 .. unbounded	**cac:ReplacedRelatedItem**		
0 .. 1	╙cbc:ID	Item identifier	tir19-120
0 .. 1	╙cbc:Quantity	Item quantity	tir19-121
0 .. unbounded	**cac:RequiredItemLocationQuantity**		
0 .. 1	╙cbc:LeadTimeMeasure	Price lead time	tir19-053
0 .. 1	╙cbc:MinimumQuantity	Quantity threshold	OP-T19-025
0 .. 1	╙cbc:MaximumQuantity	Quantity ceiling	OP-T19-026
0 .. unbounded	**cac:ApplicableTerritoryAddress**		
0 .. 1	╙cbc:StreetName	Address line 1	tir19-108
0 .. 1	╙cbc:AdditionalStreetName	Address line 2	tir19-109
0 .. 1	╙cbc:CityName	City	tir19-060 tir19-110
0 .. 1	╙cbc:PostalZone	Post code	tir19-111
0 .. 1	╙cbc:CountrySubentity	Country subdivision	tir19-112 tir19-062
0 .. 1	**cac:Country**		
0 .. 1	╙cbc:IdentificationCode	Country code	tir19-063 tir19-113
0 .. 1	**cac:Price**		
1 .. 1	╙cbc:PriceAmount	Item price	tir19-051
0 .. 1	╙cbc:BaseQuantity	Base Quantity	OP-T19-024
0 .. 1	╙cbc:PriceType	Price type	tir19-093
0 .. 1	╙cbc:OrderableUnitFactorRate	OrderableUnit FactorRate	OP-T19-035
0 .. unbounded	**cac:ValidityPeriod**		
0 .. 1	╙cbc:StartDate	Period start date	tir19-056
0 .. 1	╙cbc:EndDate	Period end date	tir19-057
1 .. 1	**cac:Item**		
0 .. unbounded	╙cbc:Description	Item description	tir19-067
0 .. 1	╙cbc:PackQuantity	Packed quantity	tir19-066 tir19-066
0 .. 1	╙cbc:PackSizeNumeric	Consumable unit quantity	tir19-036
0 .. 1	╙cbc:Name	Item name	tir19-078
0 .. unbounded	╙cbc:Keyword	Item key words	tir19-064
0 .. unbounded	╙cbc:BrandName	Brand name	OP-T19-018
0 .. 1	**cac:SellersItemIdentification**		
1 .. 1	╙cbc:ID	Sellers item identifier	tir19-091
0 .. 1	**cac:ManufacturersItemIdentification**		
1 .. 1	╙cbc:ID	Manufacturers item identifer	tir19-114
0 .. 1	**cac:StandardItemIdentification**		
1 .. 1	╙cbc:ID	Items standard identifier	tir19-092
0 .. unbounded	**cac:ItemSpecificationDocumentReference**		
1 .. 1	╙cbc:ID	Attachment ID	tir19-095

Occurrence	Element/Attribute	BII Business Term	Business req.
		Attachment ID	tir19-105
0 .. 1	cbc:DocumentTypeCode	External Item Specifications Type	tir19-086a
0 .. unbounded	cbc:DocumentDescription	Attached document description	tir19-096
		Attached item description	tir19-106
0 .. 1	**cac:Attachment**		
0 .. 1	**cbc: EmbeddedDocumentBinaryObject**	Attached object	tir19-097
		Attached object	tir19-107
0 .. 1	**cac:ExternalReference**		
0 .. 1	**cbc:URI**	External item specifications	tir19-086
0 .. 1	**cac:OriginCountry**		
0 .. 1	**cbc:IdentificationCode**	Item origin country	tir19-071
0 .. unbounded	**cac:CommodityClassification**		
0 .. 1	**cbc:ItemClassificationCode**	Commodity classification	tir19-069
0 .. unbounded	**cac:TransactionConditions**		
0 .. 1	**cbc:ID**	Transaction conditions	OP-T19-027
0 .. 1	**cbc:ActionCode**		
0 .. unbounded	**cac:HazardousItem**		
0 .. 1	**cbc:UNDGCode**	Hazardous UNDG code	tir19-072
0 .. 1	**cbc:HazardClassID**	Hazard class identifier	tir19-073
0 .. 1	**cac:ClassifiedTaxCategory**		
0 .. 1	**cbc:ID**	Item VAT category code	tir19-094
0 .. 1	**cbc:Percent**	Item VAT precentage	tir19-050
1 .. 1	**cac:TaxScheme**		
0 .. 1	**cbc:ID**	TaxSchemeID	1
0 .. unbounded	**cac:AdditionalItemProperty**		
1 .. 1	**cbc:Name**	Property name	tir19-076
		Item expiry date	tir19-074
1 .. 1	**cbc:Value**	Property value	tir19-077
0 .. 1	**cbc:ValueQuantity**	Property unit of measure	tir19-070
		Minimum quantity guaranteed for delivery	OP-T19-020
0 .. unbounded	**cbc:ValueQualifier**	Property classification	tir19-103
0 .. 1	**cac:ManufacturerParty**		
0 .. 1	**cac:PartyName**		
1 .. 1	**cbc:Name**	Manufacturer party name	tir19-075
0 .. unbounded	**cac:ItemInstance**		
0 .. 1	**cbc:BestBeforeDate**	Item best before date	tir19-058
0 .. 1	**cac:LotIdentification**		
0 .. 1	**cbc:LotNumberID**	Item batch identifier	tir19-059
0 .. unbounded	**cac:Certificate**		
1 .. 1	**cbc:ID**	Label name	tir19-087
1 .. 1	**cbc:CertificateTypeCode**		
1 .. 1	**cbc:CertificateType**	Label type	tir19-089
0 .. 1	**cbc:Remarks**	Label value	tir19-088
1 .. 1	**cac:IssuerParty**		
0 .. unbounded	**cac:PartyName**		
1 .. 1	**cbc:Name**		
0 .. unbounded	**cac:DocumentReference**		
1 .. 1	**cbc:ID**	Label reference	tir19-090
0 .. unbounded	**cac:Dimension**		
1 .. 1	**cbc:AttributeID**		tir19-104
0 .. 1	**cbc:Measure**	Height	tir19-098
		Length	tir19-099
		Width	tir19-100
		Weight	tir19-101

Occurrence	Element/Attribute	BII Business Term	Busine ss req.
		Package Net weight approximately	OP-T19-037
		Package Net weight exact	OP-T19-017
		Package volume	OP-T19-016
0 .. unbounded	cbc:Description	Dimension description	OP-T19-038
0 .. 1	cbc:MinimumMeasure	Minimum storage temperature	tir19-115
		Minimum Storage Humidity	OP-T19-015
0 .. 1	cbc:MaximumMeasure	Maximum storage temperature	tir19-116
		Maximum Storage Humidity	OP-T19-014

Element/Attribute	Description		Usage/Rules/Code lists	
Catalogue	**Type**	CatalogueType		
──── **cbc:UBLVersionID**	**Occurence**	1 .. 1		
	Type	cbc:UBLVersionIDType		
──── **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 transaction.*
	Info req.ID	tir19-002		
	XML Note	urn:www.cenbii.eu:transaction:biitrns019:ver2.0: extended:urn:www.peppol.eu:bis:peppol1a:ver4.0	**Rules**	BII2-T19-R001 - A catalogue 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 transaction appears.*
	Info req.ID	tir19-001		
	XML Note	urn:www.cenbii.eu:profile:bii01:ver2.0	**Rules**	BII2-T19-R002 - A catalogue MUST have a profile identifier
──── **cbc:ID**	**Occurence**	1 .. 1	**Term name**	**Catalogue identifier**
	Type	cbc:IDType	**BII Usage**	*An catalogue instance must contain an identifier. The identifier enables positive referencing the document instance for various purposes including referencing between transactions that are part of the same process.*
	Info req.ID	tir19-003		
	Bus req.ID	tbr19-0062		
			Rules	BII2-T19-R004 - A catalogue MUST contain the catalogue document identifier
──── **cbc:ActionCode**	**Occurence**	0 .. 1	**Term name**	**Catalogue action code**
	Type	cbc:ActionCodeType	**BII Usage**	*Identifies how a received catalogue should be used against existing catalogue lines sent in previous catalogues, so that no discrepancies occur between the suppliers and customers information. Describes how to treat existing items, not part of the received catalogue and those that are included (unchanged, changed or deleted). Default action is to fully replace the source catalogue.*
	Info req.ID	tir19-047		
	Bus req.ID	tbr19-075		
			Rules	OP-T19-007 - An action code at header level MUST be from the PEPPOL action code list
──── *listID*	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R046 - A catalogue header action code MUST have a list identifier attribute "ACTIONCODE: PEPPOL"*
	Use	*required*		

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Element/Attribute	Description		Usage/Rules/Code lists	
cbc:Name	Occurence	0 .. 1	Term name	Catalogue name
	Type	cbc:NameType	BII Usage	*A name of the catalogue for general reference. E.g. "Christmas catalogue"*
	Info req.ID	tir19-005		
	Bus req.ID	tbr19-0002		
languageID	Type	xs:language	Rules	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
	Use	optional		
cbc:IssueDate	Occurence	1 .. 1	Term name	Catalogue issue date
	Type	cbc:IssueDateType	BII Usage	*The date on which the catalogue instance was issued.*
	Info req.ID	tir19-006		
	Bus req.ID	tbr19-0062	Rules	BII2-T19-R003 - A catalogue MUST contain the date of issue
cbc:VersionID	Occurence	0 .. 1	Term name	Catalogue version
	Type	cbc:VersionIDType	BII Usage	*The version of the catalogue revision. The version ID is used to controll how a Catalogue transaction acts on existing lines that are not stated in the transactions. Should they be left alone or deleted. If Catalogue transaction is „Replace" then action codes on the line have no relevance. All existing lines are deleted and the ones stated in the Catalogue transaction added. If Catalogue transaction is „Update" then action codes on lines controll each line.*
	Info req.ID	tir19-004		
	Bus req.ID	tbr19-0001		
cac:ValidityPeriod	Occurence	1 .. 1	*Rules*	*BII2-T19-R006 - A validity period end date MUST be later or equal to a validity period start date if both validity period end date and validity period start date are present.*
	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	tir19-007		
	Bus req.ID	tbr19-0003		
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	tir19-008		
	Bus req.ID	tbr19-0003	Rules	BII2-T19-R006 – A validity period end date MUST be later or equal to a validity period start date if both validity period end date and validity period start date are present
cac:ReferencedContract	Occurence	0 .. 1		
	Type	cac:ContractType		

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:ID	Occurence Type Info req.ID Bus req.ID	1 .. 1 cbc:IDType tir19-028 tbr19-0006	Term name BII Usage	Reference identifier *Positive identification of the reference such as a unique identifier.*
cbc:IssueDate	Occurence Type Info req.ID	0 .. 1 cbc:IssueDateType OP-T19-032	Term name BII Usage	Contract Issue date *Issue date for referenced contract*
cbc:ContractType	Occurence Type Info req.ID Bus req.ID	0 .. 1 cbc:ContractTypeType tir19-052 tbr19-0006	Term name BII Usage	Reference type *The short description of what is reference such as contract type, document type , meter etc.*
cac:SourceCatalogueReference	Occurence Type	0 .. 1 cac:CatalogueReferenceType		
cbc:ID	Occurence Type Info req.ID Bus req.ID	1 .. 1 cbc:IDType tir19-019 tbr19-0062	Term name BII Usage	Source catalogue identifier *Identifies the existing, already received catalogue that this message should be acted upon, so that no discrepancies occur between the suppliers and customers information.*
schemeID	*Type* *Use*	*xs:normalizedString* *optional*		
cac:ProviderParty	Occurence Type	1 .. 1 cac:PartyType	*Rules*	*BII2-T19-R007 - The party providing the catalogue MUST be specified*
cbc:EndpointID	Occurence Type Info req.ID Bus req.ID	0 .. 1 cbc:EndpointIDType tir19-009 tbr19-0007	Term name BII Usage Rules	Electronic address ID *A catalogue may contain the providing party electronic address. The address can be of any format and the format should be identified in the message.* EUGEN-T19-R043 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-005 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.*
cac:PartyIdentification	Occurence Type	0 .. 1 cac:PartyIdentificationType		
cbc:ID	Occurence Type Info req.ID Bus req.ID	1 .. 1 cbc:IDType tir19-010 tbr19-0007	Term name BII Usage Rules	Party identifier *Use in the absence of or in addition to Party Name. Use an identifier known to the document recipient.* BII2-T19-R010 - A catalogue provider MUST contain the full name or an identifier EUGEN-T19-R044 – A party identifier MUST have a scheme identifier attribute

Element/Attribute	Description		Usage/Rules/Code lists	
schemeID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-006 - An Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers*
cac:PartyName	**Occurence** **Type**	0 .. 1 cac:PartyNameType		
cbc:Name	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:NameType tir19-011 tbr19-0007	**Term name** **BII Usage** **Rules**	**Party name** *Use in the absence of or in addition to Party Identifier.* BII2-T19-R010 - A catalogue provider MUST contain the full name or an identifier
cac:PostalAddress	**Occurence** **Type**	0 .. 1 cac:AddressType		
cbc:StreetName	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:StreetNameType OP-T19-029a	**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**	0 .. 1 cbc:AdditionalStreetNameType OP-T19-029b	**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**	0 .. 1 cbc:CityNameType OP-T19-029c	**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.*
cbc:PostalZone	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:PostalZoneType OP-T19-029d	**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**	0 .. 1 cbc:CountrySubentityType OP-T19-029e	**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**	0 .. 1 cbc:IdentificationCodeType OP-T19-029f	**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-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"*
cac:PartyLegalEntity	**Occurence**	0 .. unbounded		

Element/Attribute	Description		Usage/Rules/Code lists	
	Type	cac:PartyLegalEntityType		
cbc:RegistrationName	**Occurence**	0 .. 1	**Term name**	**Provider legal registration name**
	Type	cbc:RegistrationNameType	**BII Usage**	*The name under which the provider is legally registered.*
	Info req.ID	OP-T19-028b		
cbc:CompanyID	**Occurence**	0 .. 1	**Term name**	**Provider legal registration identifier**
	Type	cbc:CompanyIDType	**BII Usage**	*A catalogue may contain the identifier assigned to the party by the national company registrar.*
	Info req.ID	OP-T19-028a		
schemeID	*Type*	xs:normalizedString	*Rules*	*OP-T19-013 - A Party Company Identifier Scheme MUST be from the list of PEPPOL Party Identifiers*
	Use	*required*		
cac:RegistrationAddress	**Occurence**	0 .. 1		
	Type	cac:AddressType		
cbc:CityName	**Occurence**	0 .. 1	**Term name**	**Provider legal registration city**
	Type	cbc:CityNameType	**BII Usage**	*The name of the city where the provider is legally registered.*
	Info req.ID	OP-T19-028c		
cac:Country	**Occurence**	0 .. 1		
	Type	cac:CountryType		
cbc:IdentificationCode	**Occurence**	0 .. 1	**Term name**	**Provider legal registration country**
	Type	cbc:IdentificationCodeType	**BII Usage**	*The country in which the provider is legally registered.*
	Info req.ID	OP-T19-028d		
			Rules	OP-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type*	xs:normalizedString	*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"*
	Use	*required*		
cac:ReceiverParty	**Occurence**	1 .. 1	*Rules*	*BII2-T19-R008 - The party receiving the catalogue MUST be specified*
	Type	cac:PartyType		
cbc:EndpointID	**Occurence**	0 .. 1	**Term name**	**Electronic address ID**
	Type	cbc:EndpointIDType	**BII Usage**	*A catalogue may contain the receiving party electronic address. The address can be of any format and the format should be identified in the message.*
	Info req.ID	tir19-012		
	Bus req.ID	tbr19-0010		
			Rules	EUGEN-T19-R043 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	xs:normalizedString	*Rules*	*OP-T19-005 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.*
	Use	*required*		
cac:PartyIdentification	**Occurence**	0 .. 1		
	Type	cac:PartyIdentificationType		

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:ID	Occurence Type Info req.ID Bus req.ID	1 .. 1 cbc:IDType tir19-013 tbr19-0010	Term name BII Usage Rules	Party identifier *Use in the absence of or in addition to Party Name. Use an identifier known to the document recipient.* BII2-T19-R011 - A catalogue receiver MUST contain the full name or an identifier EUGEN-T19-R044 – A party identifier MUST have a scheme identifier attribute
schemeID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-006 - An Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers*
cac:PartyName	Occurence Type	0 .. 1 cac:PartyNameType		
cbc:Name	Occurence Type Info req.ID Bus req.ID	1 .. 1 cbc:NameType tir19-014 tbr19-0010	Term name BII Usage Rules	Party name *Use in the absence of or in addition to Party Identifier.* BII2-T19-R011 - A catalogue receiver MUST contain the full name or an identifier
cac:PostalAddress	Occurence Type	0 .. 1 cac:AddressType		
cbc:StreetName	Occurence Type Info req.ID	0 .. 1 cbc:StreetNameType OP-T19-031a	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	0 .. 1 cbc:AdditionalStreetNameType OP-T19-031b	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	0 .. 1 cbc:CityNameType OP-T19-031c	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.*
cbc:PostalZone	Occurence Type Info req.ID	0 .. 1 cbc:PostalZoneType OP-T19-031d	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	0 .. 1 cbc:CountrySubentityType OP-T19-031e	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		

| Element/Attribute	Description			Usage/Rules/Code lists	
cbc:IdentificationCode	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:IdentificationCodeType OP-T19-031f		**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-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type* *Use*	*xs:normalizedString* *required*		*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"*
cac:PartyLegalEntity	**Occurence** **Type**	0 **..** unbounded cac:PartyLegalEntityType			
cbc:RegistrationName	**Occurence** **Type** **Info req.ID**	0 **..** 1 cbc:RegistrationNameType OP-T19-030b		**Term name** **BII Usage**	**Receiver legal registration name** *The name under which the receiver is legally registered.*
cbc:CompanyID	**Occurence** **Type** **Info req.ID**	0 **..** 1 cbc:CompanyIDType OP-T19-030a		**Term name** **BII Usage**	**Receiver legal registration identifier** *A catalogue may contain the identifier assigned to the party by the national company registrar.*
schemeID	*Type* *Use*	*xs:normalizedString* *required*		*Rules*	*OP-T19-013 - A Party Company Identifier Scheme MUST be from the list of PEPPOL Party Identifiers*
cac:RegistrationAddress	**Occurence** **Type**	0 **..** 1 cac:AddressType			
cbc:CityName	**Occurence** **Type** **Info req.ID**	0 **..** 1 cbc:CityNameType OP-T19-030c		**Term name** **BII Usage**	**Receiver legal registration city** *The name of the city where the receiver is legally registered.*
cac:Country	**Occurence** **Type**	0 **..** 1 cac:CountryType			
cbc:IdentificationCode	**Occurence** **Type** **Info req.ID**	0 **..** 1 cbc:IdentificationCodeType OP-T19-030d		**Term name** **BII Usage** **Rules**	**Receiver legal registration country** *The country in which the receiver is legally registered.* OP-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type* *Use*	*xs:normalizedString* *required*		*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"*
cac:SellerSupplierParty	**Occurence** **Type**	0 **..** 1 cac:SupplierPartyType		***Rules***	*BII2-T19-R009 - A catalogue MUST have maximum one catalogue supplier*
cac:Party	**Occurence** **Type**	0 **..** 1 cac:PartyType			

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:EndpointID	**Occurence**	0 .. 1		**Term name**	**Electronic address ID**
	Type	cbc:EndpointIDType		**BII Usage**	*A catalogue may contain the receiving party electronic address. The address can be of any format and the format should be identified in the message.*
	Info req.ID	tir19-015			
	Bus req.ID	tbr19-0066			
				Rules	EUGEN-T19-R043 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-005 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers.*
	Use	*required*			
cac:PartyIdentification	**Occurence**	0 .. 1			
	Type	cac:PartyIdentificationType			
cbc:ID	**Occurence**	1 .. 1		**Term name**	**Party identifier**
	Type	cbc:IDType		**BII Usage**	*Use in the absence of or in addition to Party Name. Use an identifier known to the document recipient.*
	Info req.ID	tir19-016			
	Bus req.ID	tbr19-0066			
				Rules	BII2-T19-R012 - A catalogue supplier MUST contain the full name or an identifier
					EUGEN-T19-R044 – A party identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-006 - An Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers*
	Use	*required*			
cac:PartyName	**Occurence**	0 .. 1			
	Type	cac:PartyNameType			
cbc:Name	**Occurence**	1 .. 1		**Term name**	**Party name**
	Type	cbc:NameType		**BII Usage**	*Use in the absence of or in addition to Party Identifier.*
	Info req.ID	tir19-017			
	Bus req.ID	tbr19-0066		**Rules**	BII2-T19-R012 - A catalogue supplier MUST contain the full name or an 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	tir19-021			
	Bus req.ID	tbr19-0066			
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	tir19-022			
	Bus req.ID	tbr19-0066			

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:CityName	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:CityNameType tir19-023 tbr19-0066	**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.*
cbc:PostalZone	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PostalZoneType tir19-024 tbr19-0066	**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 tir19-025 tbr19-0066	**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**	0 .. 1 cbc:IdentificationCodeType tir19-026 tbr19-0066	**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-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "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 tir19-027 tbr19-0066	**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 tir19-030 tbr19-0066	**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 tir19-029 tbr19-0066	**Term name** **BII Usage**	**Contact fax number** *A fax number for the contact persons.*

Element/Attribute	Description		Usage/Rules/Code lists	
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*
	Info req.ID	tir19-031		*has a direct e-mail this is that email.*
	Bus req.ID	tbr19-0066		
cac:ContractorCustomerParty	**Occurence**	0 .. 1		
	Type	cac:CustomerPartyType		
cac:Party	**Occurence**	0 .. 1		
	Type	cac:PartyType		
cbc:EndpointID	**Occurence**	0 .. 1	**Term name**	**Electronic address ID**
	Type	cbc:EndpointIDType	**BII Usage**	*A catalogue may contain the receiving party electronic*
	Info req.ID	tir19-054		*address. The address can be of any format and the*
	Bus req.ID	tbr19-0067		*format should be identified in the message.*
			Rules	EUGEN-T19-R043 - An endpoint identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-005 - An Endpoint Identifier Scheme MUST be*
	Use	*required*		*from the list of PEPPOL Party Identifiers.*
cac:PartyIdentification	**Occurence**	0 .. 1		
	Type	cac:PartyIdentificationType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Party identifier**
	Type	cbc:IDType	**BII Usage**	*Use in the absence of or in addition to Party Name. Use*
	Info req.ID	tir19-055		*an identifier known to the document recipient.*
	Bus req.ID	tbr19-0067	**Rules**	BII2-T19-R013 - A catalogue customer MUST contain the full name or an identifier
				EUGEN-T19-R044 – A party identifier MUST have a scheme identifier attribute
schemeID	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-006 - An Party Identifier Scheme MUST be from*
	Use	*required*		*the list of PEPPOL Party Identifiers*
cac:PartyName	**Occurence**	0 .. 1		
	Type	cac:PartyNameType		
cbc:Name	**Occurence**	1 .. 1	**Term name**	**Party name**
	Type	cbc:NameType	**BII Usage**	*Use in the absence of or in addition to Party Identifier.*
	Info req.ID	tir19-079		
	Bus req.ID	tbr19-0067	**Rules**	BII2-T19-R013 - A catalogue customer MUST contain the full name or an identifier
cac:Contact	**Occurence**	0 .. 1		
	Type	cac:ContactType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Contact ID**
	Type	cbc:IDType		
	Info req.ID	OP-T19-021		

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:Name	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:NameType tir19-080 tbr19-0067	**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 tir19-082 tbr19-0067	**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 tir19-081 tbr19-0067	**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 tir19-083 tbr19-0067	**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:TradingTerms	**Occurence** **Type**	0 .. unbounded cac:TradingTermsType		
cbc:Information	**Occurence** **Type** **Info req.ID**	0 .. unbounded cbc:InformationType OP-T19-019	**Term name**	**General payment conditions**
languageID	*Type* *Use*	*xs:language* *optional*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
cac:CatalogueLine	**Occurence** **Type**	1 .. unbounded cac:CatalogueLineType	*Rules*	*BII2-T19-R023 - A catalogue MUST have at least one catalogue line*
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:IDType tir19-032 tbr19-0063	**Term name** **BII Usage** **Rules**	**Line identifier** *Each line must have an identifier that is unique within the document to make it possible to positively reference the line. For example, from other documents.* BII2-T19-R024 - A catalogue line MUST contain a unique line identifier

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:ActionCode	**Occurence**	0 .. 1	**Term name**	**Line action code**
	Type	cbc:ActionCodeType	**BII Usage**	*Used to instruct the catalogue receier on what action should be taken on the identified line when revising a catalogue. See rule on catalogue version ID. When using Update or Delete codes, the entire Catalogue Line is updated or deleted.*
	Info req.ID	tir19-033		
	Bus req.ID	tbr19-0050		
			Rules	CL-T19-001 - The action code for a catalogue line MUST be Add, Update or Delete if present
listID	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R045 - A catalogue line action code MUST have a list identifier attribute "ACTIONCODE:BII2"*
	Use	*required*		
cbc:ContractSubdivision	**Occurence**	0 .. 1	**Term name**	**Contract Subdivision**
	Type	cbc:ContractSubdivisionType	**BII Usage**	*Used to reference a subsection of the contract referenced on header level but not recognized as a BII requirement. Removed.*
	Info req.ID	OP-T19-036		
cbc:OrderableIndicator	**Occurence**	0 .. 1	**Term name**	**Orderable indicator**
	Type	cbc:OrderableIndicatorType	**BII Usage**	*Default value is True i.e. Item on the Catalogue Line can be ordered. Can be used to indicate if an Item is temporarily out of stock (via a Catalogue Update).*
	Info req.ID	tir19-034		
	Bus req.ID	tbr19-0064		
cbc:OrderableUnit	**Occurence**	0 .. 1	**Term name**	**Orderable unit**
	Type	cbc:OrderableUnitType	**BII Usage**	*The unit in which the item described in this catalogue line can be ordered. The same item can be described in more than one catalogue line with different orderble units. E.g. catalogue line 1 describes item X that can be ordered in boxes at a given price. Line 2 may describe the same item X as orderable in pallets where the price is lower.*
	Info req.ID	tir19-035		
	Bus req.ID	tbr19-0042		
			Rules	OP-T19-010 - Orderable unit code MUST be coded according to the UN/ECE Recommendation 20
cbc:ContentUnitQuantity	**Occurence**	0 .. 1	**Term name**	**Item net quantity**
	Type	cbc:ContentUnitQuantityType	**BII Usage**	*The net quantity of the item that is contained in each consumable unit, excluding any packaging materials.*
	Info req.ID	tir19-061		
	Bus req.ID	tbr19-023		
unitCode	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
	Use	*required*		
unitCodeListID	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
	Use	*required*		

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:OrderQuantityIncrementNumeric	**Occurence**	0 .. 1		**Term name**	**Order quantity increment**
	Type	cbc:OrderQuantityIncrementNumericType		**BII Usage**	*The increment of Orderable units that can be ordered.*
	Info req.ID	tir19-037			
	Bus req.ID	tbr19-0042			
cbc:MinimumOrderQuantity	**Occurence**	0 .. 1		**Term name**	**Minimum order quantity**
	Type	cbc:MinimumOrderQuantityType		**BII Usage**	*The minimum number of orderable units that can be ordered according to details provided in the catalogue line, such as price.*
	Info req.ID	tir19-038			
	Bus req.ID	tbr19-0042			
				Rules	BII2-T19-R030 - Minimum quantity MUST be greater than zero
unitCode	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
	Use	*required*			
unitCodeListID	*Type*	*xs:normalizedString*		*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
	Use	*required*			
cbc:MaximumOrderQuantity	**Occurence**	0 .. 1		**Term name**	**Maximum order quantity**
	Type	cbc:MaximumOrderQuantityType		**BII Usage**	*The maximum number of orderable units that can be ordered according to details provided in the catalogue line, such as price.*
	Info req.ID	tir19-039			
	Bus req.ID	tbr19-0042			
				Rules	BII2-T19-R029 - Maximum quantity MUST be greater than zero BII2-T19-R031 - Maximum quantity MUST be greater or equal to the Minimum quantity
unitCode	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
	Use	*required*			
unitCodeListID	*Type*	*xs:normalizedString*		*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
	Use	*required*			
cbc:WarrantyInformation	**Occurence**	0 .. 1		**Term name**	**Line warranty information**
	Type	cbc:WarrantyInformationType		**BII Usage**	*Warranty information that applies to the catalogue line item.*
	Info req.ID	tir19-040			
	Bus req.ID	tbr19-0047			
languageID	*Type*	*xs:language*		*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
	Use	*optional*			
cbc:PackLevelCode	**Occurence**	0 .. 1		**Term name**	**Packaging level**
	Type	cbc:PackLevelCodeType		**BII Usage**	*The packing level of the catalogue line.*
	Info req.ID	tir19-102			
	Bus req.ID	tbr19-0023		**Rules**	OP-T19-008 - A package level code MUST be from the PEPPOL subset of GS1 7009 code list
listID	*Type*	*xs:normalizedString*		*Rules*	*EUGEN-T19-R050 - A package level code MUST have a list identifier attribute "GS17009:PEPPOL"*
	Use	*required*			
cac:LineValidityPeriod	**Occurence**	0 .. 1		*Rules*	*BII2-T19-R017 - Catalogue line validity period MUST be within the range of the whole*
	Type	cac:PeriodType			

Element/Attribute	Description		Usage/Rules/Code lists	
				catalogue validity period
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*
	Info req.ID	tir19-041		*counts as part of the period.*
	Bus req.ID	tbr19-0041, tbr19-0043		
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*
	Info req.ID	tir19-042		*as part of the period.*
	Bus req.ID	tbr19-0041, tbr19-0043		
			Rules	BII2-T19-R006 – A validity period end date MUST be later or equal to a validity period start date if both validity period end date and validity period start date are present
cac:ItemComparison	**Occurence**	0 .. unbounded		
	Type	cac:ItemComparisonType		
cbc:PriceAmount	**Occurence**	0 .. 1	**Term name**	**Standardized unit price**
	Type	cbc:PriceAmountType	**BII Usage**	*The item price based on a standarized unit. E.g. Price of*
	Info req.ID	tir19-043		*each liter.*
	Bus req.ID	tbr19-0046		*See guideline on Items and packing units in a catalogue.*
currencyID	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-011 - Currency ID MUST be coded using ISO*
	Use	*required*		*code list 4217*
cbc:Quantity	**Occurence**	0 .. 1	**Term name**	**Standard unit quantity**
	Type	cbc:QuantityType	**BII Usage**	*The quantity of standard units that are in each*
	Info req.ID	tir19-044		*consumable unit. E.g. if consumable units are bottles*
	Bus req.ID	tbr19-0046		*and each bottle contains 0,333 liters the standard unit quantity is 0,333*
				See guideline on Items and packing units in a catalogue.
unitCode	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to*
	Use	*required*		*the UN/ECE Recommendation 20*
unitCodeListID	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a*
	Use	*required*		*unit code list identifier attribute "UNECERec20"*
cac:ComponentRelatedItem	**Occurence**	0 .. unbounded		
	Type	cac:RelatedItemType		
cbc:ID	**Occurence**	0 .. 1	**Term name**	**Item identifier**
	Type	cbc:IDType	**BII Usage**	*The sellers identifier for the related item.*
	Info req.ID	tir19-045		
	Bus req.ID	tbr19-0019, tbr19-0034		
cbc:Quantity	**Occurence**	0 .. 1	**Term name**	**Item quantity**
	Type	cbc:QuantityType	**BII Usage**	*The quantity that applies to the relationship.*
	Info req.ID	tir19-046		
	Bus req.ID	tbr19-0019, tbr19-0034		

Element/Attribute	Description		Usage/Rules/Code lists	
— unitCode	Type Use	xs:normalizedString required	Rules	OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20
— unitCodeListID	Type Use	xs:normalizedString required	Rules	EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"
cac:AccessoryRelatedItem	Occurence Type	0 **..** unbounded cac:RelatedItemType		
cbc:ID	Occurence Type Info req.ID Bus req.ID	0 **..** 1 cbc:IDType tir19-118 tbr19-073	**Term name** **BII Usage**	**Item identifier** *The sellers identifier for the related item.*
cbc:Quantity	Occurence Type Info req.ID Bus req.ID	0 **..** 1 cbc:QuantityType tir19-119 tbr19-073	**Term name** **BII Usage**	**Item quantity** *The quantity that applies to the relationship.*
— unitCode	Type Use	xs:normalizedString required	Rules	OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20
— unitCodeListID	Type Use	xs:normalizedString required	Rules	EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"
cac:RequiredRelatedItem	Occurence Type	0 **..** unbounded cac:RelatedItemType		
cbc:ID	Occurence Type Info req.ID Bus req.ID	0 **..** 1 cbc:IDType tir19-048 tbr19-0019, tbr19-0034	**Term name** **BII Usage**	**Item identifier** *The sellers identifier for the related item.*
cbc:Quantity	Occurence Type Info req.ID Bus req.ID	0 **..** 1 cbc:QuantityType tir19-049 tbr19-0019, tbr19-0034	**Term name** **BII Usage**	**Item quantity** *The quantity that applies to the relationship.*
— unitCode	Type Use	xs:normalizedString required	Rules	OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20
— unitCodeListID	Type Use	xs:normalizedString required	Rules	EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"
cac:ReplacedRelatedItem	Occurence Type	0 **..** unbounded cac:RelatedItemType		
cbc:ID	Occurence Type Info req.ID Bus req.ID	0 **..** 1 cbc:IDType tir19-120 tbr19-072	**Term name** **BII Usage**	**Item identifier** *The sellers identifier for the related item.*

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:Quantity	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:QuantityType tir19-121 tbr19-072	**Term name** **BII Usage**	**Item quantity** *The quantity that applies to the relationship.*
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
unitCodeListID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
cac:RequiredItemLocationQuantity	**Occurence** **Type**	0 .. unbounded cac:ItemLocationQuantityType		
cbc:LeadTimeMeasure	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:LeadTimeMeasureType tir19-053 tbr19-0034	**Term name** **BII Usage**	**Price lead time** *The order lead time for the particular location.*
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
cbc:MinimumQuantity	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:MinimumQuantityType OP-T19-025	**Term name**	**Quantity threshold**
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
unitCodeListID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
cbc:MaximumQuantity	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:MaximumQuantityType OP-T19-026	**Term name**	**Quantity ceiling**
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
unitCodeListID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
cac:ApplicableTerritoryAddress	**Occurence** **Type**	0 .. unbounded cac:AddressType		
cbc:StreetName	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:StreetNameType tir19-108 tbr19-049	**Term name** **BII Usage**	**Address line 1** *The main address line in a postal address usually the street name and number.*

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:AdditionalStreetName	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:AdditionalStreetNameType tir19-109 tbr19-049		**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 tir19-060 tir19-110 tbr19-0034 tbr19-049		**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.* *The common name of the city where the postal address is. The name is written in full rather than as a code.*
cbc:PostalZone	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PostalZoneType tir19-111 tbr19-049		**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 tir19-112 tir19-062 tbr19-049 tbr19-0034		**Term name** **BII Usage**	**Country subdivision** *For specifying a region, county, state, province etc. within a country by using text.* *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**	0 .. 1 cbc:IdentificationCodeType tir19-063 tir19-113 tbr19-0034 tbr19-049		**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* *The country where the address is. The country should always be given by using ISO code 3166 alpha 2* OP-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type* *Use*	*xs:normalizedString* *required*		*Rules*	*EUGEN-T19-R047 - A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2"*
cac:Price	**Occurence** **Type**	0 .. 1 cac:PriceType			
cbc:PriceAmount	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:PriceAmountType tir19-051 tbr19-0034		**Term name** **BII Usage** **Rules**	**Item price** *The price for the item at the specified locations.* *The price is given for each orderable unit.* BII2-T19-R015 - Prices of items MUST not be negative
currencyID	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-011 - Currency ID MUST be coded using ISO*

Element/Attribute	Description		Usage/Rules/Code lists	
	Use	*required*		*code list 4217*
cbc:BaseQuantity	**Occurence**	0 .. 1	**Term name**	**Base Quantity**
	Type	cbc:BaseQuantityType		
	Info req.ID	OP-T19-024		
unitCode	*Type*	*xs:normalizedString*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to*
	Use	*required*		*the UN/ECE Recommendation 20*
unitCodeListID	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a*
	Use	*required*		*unit code list identifier attribute "UNECERec20"*
cbc:PriceType	**Occurence**	0 .. 1	**Term name**	**Price type**
	Type	cbc:PriceTypeType	**BII Usage**	*The type of the price so that the receiver knows if the*
	Info req.ID	tir19-093		*price may be changed, is indicative. When prices are*
	Bus req.ID	tbr19-034		*temporary the validity period for the price should be*
				defined by stating the price validity period.
cbc:OrderableUnitFactorRate	**Occurence**	0 .. 1	**Term name**	**OrderableUnit FactorRate**
	Type	cbc:OrderableUnitFactorRateType	**BII Usage**	*The factor used to convert the Base Quantity to an*
	Info req.ID	OP-T19-035		*Orderable Unit. Must be specified if the Orderable Unit*
				differs from the Base Quantity. If not present, assumed
				value is 1
cac:ValidityPeriod	**Occurence**	0 .. unbounded		
	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*
	Info req.ID	tir19-056		*counts as part of the period.*
	Bus req.ID	tbr19-0048		
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*
	Info req.ID	tir19-057		*as part of the period.*
	Bus req.ID	tbr19-0048		
			Rules	BII2-T19-R006 – A validity period end date MUST be
				later or equal to a validity period start date if both validity
				period end date and validity period start date are present
cac:Item	**Occurence**	1 .. 1		
	Type	cac:ItemType		
cbc:Description	**Occurence**	0 .. unbounded	**Term name**	**Item description**
	Type	cbc:DescriptionType	**BII Usage**	*A detailed description of the item. Use one description*
	Info req.ID	tir19-067		*pr. language*
	Bus req.ID	tbr19-0044		
languageID	*Type*	*xs:language*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO*
	Use	*optional*		*code list 639-1*

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:PackQuantity	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PackQuantityType tir19-066 tir19-066 tbr19-0023	**Term name** **BII Usage**	**Packed quantity** *The number of packed units that are in the orderable unit. E.g. if the orderable unit is a pallet that contains 30 boxes then the packed units are BOX and the packed quantity is 30.*
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
unitCodeListID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R048 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"*
cbc:PackSizeNumeric	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:PackSizeNumericType tir19-036 tbr19-0023	**Term name** **BII Usage**	**Consumable unit quantity** *Specifies the number of consumable units that are in each orderable unit.* *See guideline on Items and packing units in a catalogue.*
cbc:Name	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:NameType tir19-078 tbr19-0044	**Term name** **BII Usage** **Rules**	**Item name** *A short name for an item.* BII2-T19-R019 - An item in a catalogue line SHOULD have a name
languageID	*Type* *Use*	*xs:language* *optional*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
cbc:Keyword	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. unbounded cbc:KeywordType tir19-064 tbr19-0045	**Term name** **BII Usage**	**Item key words** *Used to specify searchable keywords and/or synonyms for the Item. E.g. Item Name = Colgate or Total / Keyword =Toothpaste*
languageID	*Type* *Use*	*xs:language* *optional*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
cbc:BrandName	**Occurence** **Type** **Info req.ID**	0 .. unbounded cbc:BrandNameType OP-T19-018	**Term name**	**Brand name**
cac:SellersItemIdentification	**Occurence** **Type**	0 .. 1 cac:ItemIdentificationType		
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:IDType tir19-091 tbr19-0040	**Term name** **BII Usage**	**Sellers item identifier** *The sellers identifier for the item.*
cac:ManufacturersItemIdentification	**Occurence** **Type**	0 .. 1 cac:ItemIdentificationType		

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:ID	Occurence	1 .. 1		Term name	Manufacturers item identifer
	Type	cbc:IDType		BII Usage	*The manufacturers identifier for the item.*
	Info req.ID	tir19-114			
	Bus req.ID	tbr19-040			
cac:StandardItemIdentification	Occurence	0 .. 1			
	Type	cac:ItemIdentificationType			
cbc:ID	Occurence	1 .. 1		Term name	Items standard identifier
	Type	cbc:IDType		BII Usage	*A item identifier based on a registered schema.*
	Info req.ID	tir19-092			
	Bus req.ID	tbr19-0040		Rules	BII2-T19-R020 - An item in a catalogue line MUST be uniquely identifiable by at least one of the following: Catalogue Provider identifier, Standard identifier
schemeID	Type	xs:normalizedString		*Rules*	*BII2-T19-R021 - Standard Identifiers SHOULD contain the Schema Identifier (e.g.GTIN)*
	Use	optional			
cac: ItemSpecificationDocumentReference	Occurence	0 .. unbounded			
	Type	cac:DocumentReferenceType			
cbc:ID	Occurence	1 .. 1		Term name	Attachment ID
	Type	cbc:IDType			Attachment ID
	Info req.ID	tir19-095		BII Usage	*A positive identification of the relevant document, such as an unique identifier.*
		tir19-105			
	Bus req.ID	tbr19-0065			*A positive identification of the relevant document, such*
		tbr19-065			*as an unique identifier.*
cbc:DocumentTypeCode	Occurence	0 .. 1		Term name	External Item Specifications Type
	Type	cbc:DocumentTypeCodeType			
	Info req.ID	tir19-086a			
listID	Type	xs:normalizedString		*Descr:*	Optional, may be used in national extensions.
	Use	optional			
cbc:DocumentDescription	Occurence	0 .. unbounded		Term name	Attached document description
	Type	cbc:DocumentDescriptionType			Attached item description
	Info req.ID	tir19-096		BII Usage	*A short description of the document type.*
		tir19-106			*A short description of the document type.*
	Bus req.ID	tbr19-0065			
		tbr19-065			
languageID	Type	xs:language		*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*
	Use	optional			
cac:Attachment	Occurence	0 .. 1			
	Type	cac:AttachmentType			

Element/Attribute	Description		Usage/Rules/Code lists	
cbc: EmbeddedDocumentBinaryObject	**Occurence**	0 .. 1	**Term name**	**Attached object**
	Type	cbc:EmbeddedDocumentBinaryObjectType		**Attached object**
	Info req.ID	tir19-097	**BII Usage**	*The attached document embedded as binary object.*
		tir19-107		*The attached document embedded as binary object.*
	Bus req.ID	tbr19-0065		
		tbr19-065		
mimeCode	*Type*	*xs:normalizedString*	*Rules*	*CL-T19-002 -For Mime code in attribute use MIME*
	Use	*required*		*Media Type*
cac:ExternalReference	**Occurence**	0 .. 1		
	Type	cac:ExternalReferenceType		
cbc:URI	**Occurence**	0 .. 1	**Term name**	**External item specifications**
	Type	cbc:URIType	**BII Usage**	*URI reference to external item information or*
	Info req.ID	tir19-086		*specifications. E.g. web address*
	Bus req.ID	tbr19-0065		
cac:OriginCountry	**Occurence**	0 .. 1		
	Type	cac:CountryType		
cbc:IdentificationCode	**Occurence**	0 .. 1	**Term name**	**Item origin country**
	Type	cbc:IdentificationCodeType	**BII Usage**	*Used to provide the country from which the item has it's*
	Info req.ID	tir19-071		*origin. Commonly used in cross border trade for*
	Bus req.ID	tbr19-076		*statistical and customs purposes.*
			Rules	OP-T19-001 - Country codes in a catalogue MUST be coded using ISO code list 3166-1 alpha2
listID	*Type*	*xs:normalizedString*	*Rules*	*EUGEN-T19-R047 - A country identification code MUST*
	Use	*required*		*have a list identifier attribute "ISO3166-1:Alpha2"*
cac:CommodityClassification	**Occurence**	0 .. unbounded		
	Type	cac:CommodityClassificationType		
cbc:ItemClassificationCode	**Occurence**	0 .. 1	**Term name**	**Commodity classification**
	Type	cbc:ItemClassificationCodeType	**BII Usage**	*A classification code used to classify the type or nature*
	Info req.ID	tir19-069		*of the Item. More than one classifications can be used*
	Bus req.ID	tbr19-0018		*including UNSPSC code and CPV code.*
			Rules	BII2-T19-R022 - Classification codes SHOULD contain the Classification scheme Identifier (e.g. CPV or UNSPSC)
listID	*Type*	*xs:normalizedString*		
	Use	*required*		
name	*Type*	*xs:string*		
	Use	*optional*		
cac:TransactionConditions	**Occurence**	0 .. unbounded		
	Type	cac:TransactionConditionsType		

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:ID	**Occurence**	0 .. 1		**Term name**	**Transaction conditions**
	Type	cbc:IDType			
	Info req.ID	OP-T19-027			
cbc:ActionCode	**Occurence**	0 .. 1			
	Type	cbc:ActionCodeType			
listID	*Type*	*xs:normalizedString*		*Descr:*	Optional, may be used in national extensions.
	Use	*optional*			
cac:HazardousItem	**Occurence**	0 .. unbounded			
	Type	cac:HazardousItemType			
cbc:UNDGCode	**Occurence**	0 .. 1		**Term name**	**Hazardous UNDG code**
	Type	cbc:UNDGCodeType		**BII Usage**	*Provides detail of the classification and nature of a hazardous item.*
	Info req.ID	tir19-072			
	Bus req.ID	tbr19-0029			
				Rules	OP-T19-003 - UNDG MUST be coded according to the UN EDIFACT 8273 code list
					EUGEN-T19-R051 - A UNDG code MUST have a list identifier attribute "UNCL8273"
listID	*Type*	*xs:normalizedString*		*Rules*	*EUGEN-T19-R051 - A UNDG code MUST have a list identifier attribute "UNCL8273"*
	Use	*required*			
cbc:HazardClassID	**Occurence**	0 .. 1		**Term name**	**Hazard class identifier**
	Type	cbc:HazardClassIDType		**BII Usage**	*Provides detail of the classification and nature of a hazardous item.*
	Info req.ID	tir19-073			
	Bus req.ID	tbr19-0029			
cac:ClassifiedTaxCategory	**Occurence**	0 .. 1			
	Type	cac:TaxCategoryType			
cbc:ID	**Occurence**	0 .. 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	tir19-094			
	Bus req.ID	tbr19-0049			
				Rules	CL-T19-004 - Tax categories MUST be coded using UN/ECE 5305 code list
schemeID	*Type*	*xs:normalizedString*		*Rules*	*EUGEN-T19-R049 - A classified tax category identifier MUST have a scheme identifier attribute "UNCL5305"*
	Use	*required*			
cbc:Percent	**Occurence**	0 .. 1		**Term name**	**Item VAT precentage**
	Type	cbc:PercentType		**BII Usage**	*The VAT percentage rate that applies to the item unless specific trade reasons apply such as exemptions.*
	Info req.ID	tir19-050			
	Bus req.ID	tbr19-034			
cac:TaxScheme	**Occurence**	1 .. 1			
	Type	cac:TaxSchemeType			

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:ID	Occurence	0 .. 1		Term name	TaxSchemeID
	Type	cbc:IDType			
	Info req.ID	1			
cac:AdditionalItemProperty	Occurence	0 .. unbounded			
	Type	cac:ItemPropertyType			
cbc:Name	Occurence	1 .. 1		Term name	Property name
	Type	cbc:NameType			Item expiry date
	Info req.ID	tir19-076		BII Usage	The name of the property. The name must be sufficiently
		tir19-074			descriptive to define the value. The definition may be
	Bus req.ID	tbr19-0038			supplemented with the property unit of measure when
		tbr19-068			relevant.
					E.g. Size, Color, Year.
					Used to express the expiry date of the item or items in
					the line instance.
languageID	Type	xs:language		Rules	OP-T19-012 - languageID MUST be coded using ISO
	Use	optional			code list 639-1
cbc:Value	Occurence	1 .. 1		Term name	Property value
	Type	cbc:ValueType		BII Usage	The value of the item property.
	Info req.ID	tir19-077			E.g. XXL, Blue, 2007.
	Bus req.ID	tbr19-0038, tbr19-0039			
				Rules	BII2-T19-R027 - An item property data name MUST
					specify a data value
languageID	Type	xs:language		Rules	OP-T19-012 - languageID MUST be coded using ISO
	Use	optional			code list 639-1
cbc:ValueQuantity	Occurence	0 .. 1		Term name	Property unit of measure
	Type	cbc:ValueQuantityType			Minimum quantity guaranteed for delivery
	Info req.ID	tir19-070		BII Usage	The unit of measure in which the property value is
		OP-T19-020			stated, if relevant. May not be relevant when properties
	Bus req.ID	tbr19-042			are descriptive.
unitCode	Type	xs:normalizedString		Rules	OP-T19-002 - Unit code MUST be coded according to
	Use	required			the UN/ECE Recommendation 20
unitCodeListID	Type	xs:normalizedString		Rules	EUGEN-T19-R048 - A unit code attribute MUST have a
	Use	required			unit code list identifier attribute "UNECERec20"
cbc:ValueQualifier	Occurence	0 .. unbounded		Term name	Property classification
	Type	cbc:ValueQualifierType		BII Usage	Standardized and predefined classification of items
	Info req.ID	tir19-103			properties.
	Bus req.ID	tbr19-0037			
cac:ManufacturerParty	Occurence	0 .. 1			
	Type	cac:PartyType			
cac:PartyName	Occurence	0 .. 1			
	Type	cac:PartyNameType			

Element/Attribute	Description		Usage/Rules/Code lists	
cbc:Name	**Occurence**	1 **..** 1	**Term name**	**Manufacturer party name**
	Type	cbc:NameType	**BII Usage**	*The name of the manufacturer of the item*
	Info req.ID	tir19-075		
	Bus req.ID	tbr19-0033		
cac:ItemInstance	**Occurence**	0 **..** unbounded		
	Type	cac:ItemInstanceType		
cbc:BestBeforeDate	**Occurence**	0 **..** 1	**Term name**	**Item best before date**
	Type	cbc:BestBeforeDateType	**BII Usage**	*Used to express the best before date of the item or items*
	Info req.ID	tir19-058		*in the line instance.*
	Bus req.ID	tbr19-068		
cac:LotIdentification	**Occurence**	0 **..** 1		
	Type	cac:LotIdentificationType		
cbc:LotNumberID	**Occurence**	0 **..** 1	**Term name**	**Item batch identifier**
	Type	cbc:LotNumberIDType	**BII Usage**	*Identifies the production batch that the item(s) listed in*
	Info req.ID	tir19-059		*the catalogue line were part of.*
	Bus req.ID	tbr19-069		
cac:Certificate	**Occurence**	0 **..** unbounded		
	Type	cac:CertificateType		
cbc:ID	**Occurence**	1 **..** 1	**Term name**	**Label name**
	Type	cbc:IDType	**BII Usage**	*The name of the product label.*
	Info req.ID	tir19-087		
	Bus req.ID	tbr19-0035		
schemeID	*Type*	*xs:normalizedString*	*Descr:*	Optional, may be used in national extensions.
	Use	*optional*		
cbc:CertificateTypeCode	**Occurence**	1 **..** 1		
	Type	cbc:CertificateTypeCodeType		
cbc:CertificateType	**Occurence**	1 **..** 1	**Term name**	**Label type**
	Type	cbc:CertificateTypeType	**BII Usage**	*The label type such environmental, quality, social etc.*
	Info req.ID	tir19-089		
	Bus req.ID	tbr19-0035		
cbc:Remarks	**Occurence**	0 **..** 1	**Term name**	**Label value**
	Type	cbc:RemarksType	**BII Usage**	*The lable value that applies to the item.*
	Info req.ID	tir19-088		
	Bus req.ID	tbr19-0035		
languageID	*Type*	*xs:language*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO*
	Use	*optional*		*code list 639-1*
cac:IssuerParty	**Occurence**	1 **..** 1		
	Type	cac:PartyType		

Element/Attribute	Description		Usage/Rules/Code lists	
cac:PartyName	**Occurence** **Type**	0 **..** unbounded cac:PartyNameType		
cbc:Name	**Occurence** **Type**	1 **..** 1 cbc:NameType		
cac:DocumentReference	**Occurence** **Type**	0 **..** unbounded cac:DocumentReferenceType		
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 **..** 1 cbc:IDType tir19-090 tbr19-0035	**Term name** **BII Usage**	**Label reference** *A reference to where the label specification can be found, e.g. a URI.*
cac:Dimension	**Occurence** **Type**	0 **..** unbounded cac:DimensionType		
cbc:AttributeID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 **..** 1 cbc:AttributeIDType tir19-104 tbr19-0030	**BII Usage** **Rules**	*Description of requirments that relate to the transport of the item itself or the orderable unit in which it is contained.* OP-T19-009 - An attribute identifier MUST be from the UN EDIFACT 6313 code list.
schemeID	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*EUGEN-T19-R053 - An attribute identifier MUST have an scheme identifier "UNCL6313"*
cbc:Measure	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 **..** 1 cbc:MeasureType tir19-098 tir19-099 tir19-100 tir19-101 OP-T19-037 OP-T19-017 OP-T19-016 tbr19-0023 tbr19-0023 tbr19-0023 tbr19-0023	**Term name** **BII Usage**	**Height** **Length** **Width** **Weight** **Package Net weight approximately** **Package Net weight exact** **Package volume** *The vertical height of the orderable unit.* *The horizontal measure of the longer site of the orderable unit* *The horizontal measure of the shorter side of the orderable unit.* *The weight of the orderable unit incuding its packaging.*
unitCode	*Type* *Use*	*xs:normalizedString* *required*	*Rules*	*OP-T19-002 - Unit code MUST be coded according to the UN/ECE Recommendation 20*
cbc:Description	**Occurence** **Type** **Info req.ID**	0 **..** unbounded cbc:DescriptionType OP-T19-038	**Term name** **BII Usage**	**Dimension description** *Used for differentiating between measures with same attributeID*
languageID	*Type* *Use*	*xs:language* *optional*	*Rules*	*OP-T19-012 - languageID MUST be coded using ISO code list 639-1*

Element/Attribute	Description			Usage/Rules/Code lists	
cbc:MinimumMeasure	**Occurence**	0 .. 1		**Term name**	**Minimum storage temperature**
	Type	cbc:MinimumMeasureType			**Minimum Storage Humidity**
	Info req.ID	tir19-115		**BII Usage**	*The lower margin of the recommended storage*
		OP-T19-015			*temerature range for the item.*
	Bus req.ID	tbr19-030			
unitCode	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-002 - Unit code MUST be coded according to*
	Use	*required*			*the UN/ECE Recommendation 20*
cbc:MaximumMeasure	**Occurence**	0 .. 1		**Term name**	**Maximum storage temperature**
	Type	cbc:MaximumMeasureType			**Maximum Storage Humidity**
	Info req.ID	tir19-116		**BII Usage**	*The upper margin of the recommended storage*
		OP-T19-014			*temerature range for the item.*
	Bus req.ID	tbr19-030			
unitCode	*Type*	*xs:normalizedString*		*Rules*	*OP-T19-002 - Unit code MUST be coded according to*
	Use	*required*			*the UN/ECE Recommendation 20*

12.2 Catalogue Response message

Occurrence	Element/Attribute	BII Business Term	Business req.
	Catalogue Response		
0 .. 1	cbc:UBLVersionID		
0 .. 1	cbc:CustomizationID	Customization identifier	tir58-006
0 .. 1	cbc:ProfileID	Profile identifier	tir58-005
1 .. 1	cbc:ID	Response identifier	tir58-001
1 .. 1	cbc:IssueDate	Response issue date	tir58-002
0 .. 1	cbc:IssueTime	Response issue time	tir58-003
0 .. unbounded	cbc:Note	Response textual notes	tir58-004
1 .. 1	**cac:SenderParty**		
0 .. 1	cbc:EndpointID	Electronic address	tir58-009
0 .. unbounded	**cac:PartyIdentification**		
1 .. 1	cbc:ID	Party identifier	tir58-008
0 .. unbounded	**cac:PartyName**		
1 .. 1	cbc:Name	Party name	tir58-007
1 .. 1	**cac:ReceiverParty**		
0 .. 1	cbc:EndpointID	Electronic address	tir58-012
0 .. unbounded	**cac:PartyIdentification**		
1 .. 1	cbc:ID	Party identifier	tir58-011
0 .. unbounded	**cac:PartyName**		
1 .. 1	cbc:Name	Party name	tir58-010
0 .. unbounded	**cac:DocumentResponse**		
1 .. 1	**cac:Response**		
0 .. 1	cbc:ResponseCode	Coded decision	tir58-014
1 .. unbounded	**cac:DocumentReference**		
1 .. 1	cbc:ID	Document identifier	tir58-016
0 .. 1	cbc:VersionID	Document version	tir58-017

Element/Attribute	Description		Usage	
ApplicationResponse	**Type**	ApplicationResponseType		
cbc:UBLVersionID	**Occurence** **Type**	0 .. 1 cbc:UBLVersionIDType		
cbc:CustomizationID	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:CustomizationIDType tir58-006	**Term name** **BII Usage**	**Customization identifier** *Identifies the specification of content and rules that apply to the transaction.*
cbc:ProfileID	**Occurence** **Type** **Info req.ID**	0 .. 1 cbc:ProfileIDType tir58-005	**Term name** **BII Usage**	**Profile identifier** *Identifies the BII profile or business process context in which the transaction appears.*
cbc:ID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:IDType tir58-001 tbr58-061	**Term name** **BII Usage**	**Response identifier** *An transaction instance must contain an identifier. The identifier enables positive referencing the document instance for various purposes including referencing between transactions that are part of the same process.*
cbc:IssueDate	**Occurence** **Type** **Info req.ID** **Bus req.ID**	1 .. 1 cbc:IssueDateType tir58-002 tbr58-061	**Term name** **BII Usage**	**Response issue date** *The date on which the transaction instance was issued.*
cbc:IssueTime	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:IssueTimeType tir58-003 tbr58-061	**Term name** **BII Usage**	**Response issue time** *The time at which the transaction instance was issued.*
cbc:Note	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. unbounded cbc:NoteType tir58-004 tbr58-060	**Term name** **BII Usage**	**Response textual notes** *Used to make any comments or instructions relevant to the response, including the date that the reported decision becomes effective.*
cac:SenderParty	**Occurence** **Type**	1 .. 1 cac:PartyType		
cbc:EndpointID	**Occurence** **Type** **Info req.ID** **Bus req.ID**	0 .. 1 cbc:EndpointIDType tir58-009 tbr58-056	**Term name** **BII Usage**	**Electronic address** *A response may contain the party electronic address. The address can be of any format and the format should be identified in the message.*
schemeID	*Type* *Use*	*xs:normalizedString* *optional*		
cac:PartyIdentification	**Occurence**	0 .. unbounded		

Element/Attribute	Description		Usage	
	Type	cac:PartyIdentificationType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Party identifier**
	Type	cbc:IDType	**BII Usage**	*It should be possible to specify the identifier or identifiers*
	Info req.ID	tir58-008		*for the party.*
	Bus req.ID	tbr58-056		
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cac:PartyName	**Occurence**	0 .. unbounded		
	Type	cac:PartyNameType		
cbc:Name	**Occurence**	1 .. 1	**Term name**	**Party name**
	Type	cbc:NameType	**BII Usage**	*The name of the party sending the response.*
	Info req.ID	tir58-007		
	Bus req.ID	tbr58-056		
cac:ReceiverParty	**Occurence**	1 .. 1		
	Type	cac:PartyType		
cbc:EndpointID	**Occurence**	0 .. 1	**Term name**	**Electronic address**
	Type	cbc:EndpointIDType	**BII Usage**	*A response may contain the party electronic address.*
	Info req.ID	tir58-012		*The address can be of any format and the format should*
	Bus req.ID	tbr19-057		*be identified in the message.*
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cac:PartyIdentification	**Occurence**	0 .. unbounded		
	Type	cac:PartyIdentificationType		
cbc:ID	**Occurence**	1 .. 1	**Term name**	**Party identifier**
	Type	cbc:IDType	**BII Usage**	*It should be possible to specify the identifier or identifiers*
	Info req.ID	tir58-011		*for the party.*
	Bus req.ID	tbr19-057		
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cac:PartyName	**Occurence**	0 .. unbounded		
	Type	cac:PartyNameType		
cbc:Name	**Occurence**	1 .. 1	**Term name**	**Party name**
	Type	cbc:NameType	**BII Usage**	*The name of the party receiving the response.*
	Info req.ID	tir58-010		
	Bus req.ID	tbr19-057		
cac:DocumentResponse	**Occurence**	0 .. unbounded		
	Type	cac:DocumentResponseType		
cac:Response	**Occurence**	1 .. 1		
	Type	cac:ResponseType		

Element/Attribute	Description		Usage	
cbc:ResponseCode	Occurence	0 .. 1	Term name	Coded decision
	Type	cbc:ResponseCodeType	BII Usage	*A code for the description of the response to the*
	Info req.ID	tir58-014		*transaction document.*
	Bus req.ID	tbr58-053		*AP= Accepted, RE = Rejected, UN/Cefact 4343*
				Response type code
listID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cac:DocumentReference	Occurence	1 .. unbounded		
	Type	cac:DocumentReferenceType		
cbc:ID	Occurence	1 .. 1	Term name	Document identifier
	Type	cbc:IDType	BII Usage	*Identifies the document being referred to.*
	Info req.ID	tir58-016		
	Bus req.ID	tbr58-053		
schemeID	*Type*	*xs:normalizedString*		
	Use	*optional*		
cbc:VersionID	Occurence	0 .. 1	Term name	Document version
	Type	cbc:VersionIDType	BII Usage	*The version of the document that has been identified*
	Info req.ID	tir58-017		*with the document identifier.*
	Bus req.ID	tbr58-053		