**IT- og Telestyrelsen**

Ministeriet for Videnskab
Teknologi og Udvikling

# OIOUBL Guideline

UBL 2.0 Catalogue identification, versionizing
and validity periods

OIOUBL Identifikation, versionering og
gyldighedsperioder i kataloger

G37

Version 1.1

Offentlig Information Online

**OIOUBL**

Universal Business Language

# Colophon

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# Contents

# 1. Preface

These guidelines form of a series describing the purpose and use of the business documents that comprise the Danish localization of UBL 2.0, known as OIOUBL.

As well as guidelines describing the use of commonly used elements, a separate guideline has been prepared for each business document.

## 1.1 Purpose of this document

This guideline specifies the use of business documents for establishing and updating catalogues.

Special focus is given to:

● Different scenarios where these documents may be used.

● Which elements on each catalogue line must be completed for an item to be created or updated.

● What is required for the unique identification of an item to be updated from an existing catalogue.

Also, the use of validity periods at both document and transaction line level is described.

The documents involved are described in the following table:

| Document | Description |
|---|---|
| UBL-Catalogue-2 | The Catalogue document is always used when creating a new catalogue.It may also be used for updating an existing catalogue.<br>Several elements can only be updated using the Catalogue document. This document is also used when deleting single catalogue items.<br>For a more detailed description, please see the OIOUBL Catalogue guideline (Ref. G03) |
| UBL-CatalogueItemSpecificationUpdate-2 | The document used for updating the item specification in an existing catalogue.<br>For a more detailed description, please see the OIOUBL Guideline Catalogue Item Specification Update (Ref. G06) |
| UBL-CataloguePricingUpdate-2 | The document used for updating the prices and quantities in an existing catalogue.<br>For a more detailed description, please see the OIOUBL Guideline Catalogue Pricing Update (Ref. G07) |
| UBL-CatalogueDeletion-2 | The document sent by the Catalogue Provider if the Catalogue Provider wishes to advise the Receiver to delete an entire catalogue.<br>For a more detailed description, please see the OIOUBL Guideline Catalogue Deletion (Ref. G05) |

## 1.2 General Points

Encrypted delivery must be used when a CPR number is used as an ID.

More detailed descriptions of specific areas of Catalogue usage are provided in the following guidelines:

• OIOUBL Guideline Catalogue Pricing (Ref. G40)

• OIOUBL Guideline Catalogue Item Descriptions and Categorization (Ref. G38)

• OIOUBL Guideline Catalogue Parties (Ref. G39)

# 2. Relevant UBL Classes and Elements

For each of the four documents mentioned above several classes and elements must be provided in order to create a new Catalogue, or to update or delete an existing Catalogue.

The core elements are:

- ID (Document level), identifies the catalogue that is to be added, updated, or deleted.

- ID (Line level), identifies the catalogue that is to be added, updated, or deleted.

In addition, the following uses of the Period class will be described:

- ValidityPeriod (Document and Price level)

- LineValidityPeriod (Line level)

## 2.1 DK names and cardinality

The table below lists the elements and their names in Danish, as well as their cardinality.

## 2.1.1 The Catalogue document

When creating a Catalogue document the following elements must be filled:

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| Catalogue/UBLVersionID | UBLVersionID | 1 | The UBL version is 2.0 |
| Catalogue/CustomizationID | SpecialtilpasningsID | 1 | The value is always OIOUBL-2.01 |
| Catalogue/ProfileID | ProfilID | 1 | Catalogue/PriofileID is information from the Initiating Party about which Catalogue documents they can handle (refer to code list). See also the OIOUBL Guideline Profiles (Ref. G26) |
| Catalogue/ID | ID | 1 | The Catalogue Provider's unique identification of the Catalogue. The ID identifies the Catalogue, if it later needs to be updated or deleted |
| Catalogue/IssueDate | UdstedelsesDato | 1 | The date that the Catalogue Provider generates the Catalogue, e. g. 2006-09-01. |
| Catalogue/VersionID | VersionsID | 1 | The Catalogue version. See the recommendation for use of versioning in section 4.1.2. |
| Catalogue/ValidityPeriod | GyldighedsPeriode | 1 | Specifies when the Catalogue is valid |
| Catalogue/ValidityPeriod/StartDate | StartDato | 1 | As a minimum, a start date must be used for for the validity of the Catalogue. An EndDate may also be specified, if the Catalogue has a time limit. |
| Catalogue/ProviderParty | KatalogUdbyder | 1 | The sender of the Catalogue. |
| Catalogue/ProviderParty/EndpointID | EndePunktID | 1 | The electronic address of the sender. For example, as registered within the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeID, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |

| | | | |
|---|---|---|---|
| Catalogue/ProviderParty/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/ProviderParty /EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/ProviderParty/PartyIdentification | PartIdentifikation | 0..n | Identification for the Catalogue Provider using an identifer. |
| Catalogue/ProviderParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier.<br>CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| Catalogue/ProviderParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/ProviderParty/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/ProviderParty/PartyName | PartNavn | 0..n | Identification of the Catalogue Provider by name |
| Catalogue/ProviderParty/PartyName/Name | Navn | 1 | If the Catalogue Provider has not been identified by ID, they must be identified by name. |
| Catalogue/ProviderParty/PartyLegalEntity | JuridiskPart | 1 | A Catalogue Provider must be identified as a legal entity. (See also OIOUBL Guideline Party (Ref. G23)) |
| Catalogue/ProviderParty/PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678".<br>Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| Catalogue/ProviderParty/PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR" |
| Catalogue/ReceiverParty | KatalogModtager | 1 | The Receiver of the Catalogue. |
| Catalogue/ ReceiverParty/EndpointID | EndePunktID | 1 | The electronic address, for example, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| Catalogue/ReceiverParty /EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/ReceiverParty /EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/ReceiverParty/PartyIdentification | PartIdentifikation | 0..n | Identification of the Catalogue Receiver by ID |
| Catalogue/ReceiverParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier.<br>In this element, CVR numbers are always entered as 10 characters, as the country |

| | | | |
|---|---|---|---|
| | | | code is always included, e. g. "DK12345678", for GLN numbers it is 13 characters, etc. |
| CatalogueReceiverParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/ReceiverParty/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/ReceiverParty/PartyName | PartNavn | 0..n | Identification of the Catalogue Receiver by name |
| Catalogue/ReceiverParty/PartyName/Name | Navn | 1 | If the Catalogue Receiver has not been identified by ID, they must be identified by name. |
| Catalogue/ReceiverParty/PartyLegalEntity | JuridiskPart | 1 | A Catalogue Receiver must be identified as a legal entity. |
| Catalogue/ReceiverParty/PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| Catalogue/ProviderParty/PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| Catalogue/SellerSupplierParty | Leverandør | 1 | The supplier of the items in the catalogue. If the supplier is the same as the ProviderParty the data is repeated |
| Catalogue/SellerSupplierParty/EndpointID | EndePunktID | 0..1 | The electronic address, for example, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| Catalogue/SellerSupplierParty/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/SellerSupplierParty/EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/SellerSupplierParty/PartyIdentification | PartIdentifikation | 0..n | Identification for the Supplier using an identifer. |
| Catalogue/SellerSupplierParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| Catalogue/SellerSupplierParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| Catalogue/SellerSupplierParty/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| Catalogue/SellerSupplierParty/PartyName | PartNavn | 0..n | Identification of the Supplier by name |
| Catalogue/SellerSupplierParty/PartyNa | Navn | 1 | If the Supplier has not been identified by ID, |

| me/Name | | | | they must be identified by name. |
|---|---|---|---|---|
| Catalogue/SellerSupplierParty/PartyLegalEntity | JuridiskPart | 1 | | A Supplier must be identified as a legal entity. |
| Catalogue/SellerSupplierParty/PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| Catalogue/SellerSupplierParty/PartyLegalEntity/CompanyID@schemeID | | | | Must be "DK:CVR" or "DK:CPR". |
| Catalogue/CatalogueLine | KatalogLinje | 1..n | | A valid Catalogue must contain a minimum of one Catalogue line<br>Note that when a Catalogue line is updated, the entire existing line is overwritten. Hence, values for elements that are not defined in the update will be lost. |
| Catalogue/CatalogueLine/ID | ID | 1 | | A unique identifer for the catalogue line as defined by the supplier.<br>This is the ID that subsequently will identify an item, if this needs to be updated or deleted.<br>As the item numbers of a supplier are not unique, the ID could be a combination of the supplier ID and the item number. |
| Catalogue/CatalogueLine/ActionCode | InstruktionsKode | 1 | | Uses the value of "Add", "Delete", or "Update" to indicate items should be added, deleted, or updated. When creating a new Catalogue, all items must have the Instruction code "Add". |
| Catalogue/CatalogueLine/ActionCode@listAgencyID | | | | In schemeAgencyID the value is "320" since the danish National IT and Telecom Agency maintains the codelist |
| Catalogue/CatalogueLine/ActionCode@listID | | | | A urn specify the location for a list of valid values: e.g. urn:oioubl:codelist:catalogueactioncode-1.1 |
| Catalogue/CatalogueLine/OrderableIndicator | KanBestillesIndikator | 1* | | The default value is "true", which means the item can be ordered. If the item cannot be ordered, the value is set to "false". |
| Catalogue/CatalogueLine/OrderableUnit | BestillingsEnhed | 0..1* | | * If OrderableIndicator is true, an OrderableUnit must be provided. OrderableUnit is the unit that the Ordering Party will receive. For example, package (PK) or bottle (BO). When ordering a single unit, this is the value specified in the UOM (Unit Of Measure).<br>Accordingly, a relation must exist between the orderable unit and the price (PriceAmount) and the base unit (BaseQuantity) as described in the OIOUBL Guideline Catalogue Pricing (Ref. G40) |
| Catalogue/CatalogueLine/ContentUnitQuantity | BestillingsEnhedsMængde | 1 | | Clarification ot the orderable unit. If the orderable unit e.g. Is PK (package), it can be clarified that the package contains 10 EA (each) |
| Catalogue/CatalogueLine/RequiredItemLocationQuantity | KrævetVarePrisVariant | 0..n | | A Catalogue may be created without prices, but if prices are stated they must be specified using this element. |
| Catalogue/CatalogueLine/RequiredItemLocationQuantity/Price | Pris | 0..1 | | No more than one price may be specified under the RequiredItemLocationQuantity class. If price/quantity relationships apply, then the whole RequiredItemLocationQuantity class is repeated. |

| | | | |
|---|---|---|---|
| | | | See the OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/Price/PriceAmount | PrisBeløb | 1 | The price of the BaseQuantity. The price of the orderable unit is calculated as PriceAmount * OrderableUnitFactorRate (See OIOUBL Guideline Catalogue Pricing (Ref. G40)). Note that the price is always exclusive of sales tax, but inclusive of any price discounts or taxes. Se OIOUBL Guideline AllowanceCharge (Ref. G17) |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/Price/PriceAmount@c urrencyID | Valuta | | A currency code must be provided, for example DKK for Danish Kroner |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/Price/BaseQuantity | BeregningsGrundlagMængde | 1 | The quantity expressed by the price. For example, if a Catalogue line was for one bottle of wine at DKK 60.00 per bottle, then: OrderableUnit: "BO" for bottle PriceAmount: 60,00 DKK BaseQuantity: 1 (the unitCode attribute will also specify that the unit in question is bottles ("BO")) OrderableUnitFactorRate: 1 (see below) See OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/Price/BaseQuantity@ unitCode | | | UOM for BaseQuantity. For example, "BO" (bottle) as described above. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/Price/OrderableUnitFa ctorRate | OrdreAntalMængdeRate | 1 | Conversion factor from BaseQuantity to OrderableUnit. The default value is 1, which means that BaseQuantity and OrderableUnite are equal. For example, a catalog line with a case of wine containing 12 bottles at DKK 60.00 per bottle: OrderableUnit: "CS" for case PriceAmount: 60,00 DKK BaseQuantity: 1 BO (bottle). OrderableUnitFactorRate: 12 See OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y | GældendeAfgifsKategori | 0..n | Used if the item is taxable (e.g. sales tax) or not. See the OIOBUL Guideline Tax (Ref. G27) |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ ApplicableTaxCategory/ID | ID | 1 | In the ID, the tax category is specified, e. g. StandardRated for consumption tax, or ZeroRated if no consumption tax, as per the code list. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/ID@schemeAgencyID | | | In schemeAgencyID the value is "320" since the danish National IT and Telecom Agency maintains the codelist |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/ID@schemeID | | | A urn specify the location for a list of valid values: urn:oioubl:id:taxcategoryid-1.1 |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/Percent | Procent | 0..1 | Specification of the taxation percentage, e. g. 25% Alternatively, the tax per unit may be specified using PerUnitAmount. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/TaxScheme | AfgiftsOmråde | 1 | Describes the applicable tax scheme. |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/TaxScheme/ID | ID | 1 | Code for the tax scheme, e. g. "63" for sales tax (refer to code list). |

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ ApplicableTaxCategory/TaxScheme/ID/ @schemeAgencyID | | | In schemeAgencyID the value is "320" since the danish National IT and Telecom Agency maintains the codelist |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/TaxScheme/ID/@schemeID | | | A urn specify the location for a list of valid values: urn:oioubl:id:taxshemeid-1.1 |
| Catalogue/CatalogueLine/RequiredItem LocationQuantity/ApplicableTaxCategor y/TaxScheme/Name | Navn | 0..1 | Name of the tax scheme, e. g. Moms (consumption tax) |
| Catalogue/CatalogueLine/Item | Vare | 1 | For each Catalogue line, one item must be entered. |
| Catalogue/CatalogueLine/Item/Name | Navn | 1 | Item name or item text, e. g. "Copy paper A4", "Nokia 6280", or "Da Vinci Code, The" |
| Catalogue/CatalogueLine/Item/SellersIt emIdentification | SælgersVareIdentifikation | 1 | Seller's identification of the item |
| Catalogue/CatalogueLine/Item/SellersIt emIdentification/ID | ID | 1 | Item identifier as defined by the seller. |
| Catalogue/CatalogueLine/Item/Commod ityClassification | VareTypeKlassifikation | 1..n | Item classification |
| Catalogue/CatalogueLine/Item/Commod ityClassification /ItemClassificationCode | VareKlassifikationsKode | 1 | UN/SPSC code for item classification. Use of UN/SPSC version 7.0401 is recommended. Danish translation is available. The actual classification used is specified in the attributes. |

## 2.1.2 The CataloguePricingUpdate document

When updating prices for an existing Catalogue, the following elements are mandatory:

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| CataloguePricingUpdate/UBLVersionID | UBLVersionID | 1 | The UBL version is 2.0 |
| CataloguePricingUpdate/ CustomizationID | SpecialtilpasningsID | 1 | The value is always OIOUBL-2.01 |
| CataloguePricingUpdate/ProfileID | ProfilID | 1 | CataloguePricingUpdate/ProfileID is information from the Initiating Party indicating which Catalogue documents they can exchange. (refer to code list) OIOUBL Guideline Profiles (Ref. G26). |
| CataloguePricingUpdate/ID | ID | 1 | The Catalogue Provider's unique identification of the update document. |
| CataloguePricingUpdate/IssueDate | UdstedelsesDato | 1 | The date that the Catalogue Provider generates the price update, e. g. 2006-09-01. |
| CataloguePricingUpdate/VersionID | VersionsID | 1 | The Catalogue version. See the recommendation for use of versioning in section 4.1.2. |
| CataloguePricingUpdate/RelatedCatalo gueReference | RelateretKatalogReference | 1 | Reference for the Catalogue being updated This also contains references to date, version, etc. |
| CataloguePricingUpdate/RelatedCatalo gueReference/ID | ID | 1 | Reference to the ID (Catalogue/ID) of the Catalogue being updated. |
| CataloguePricingUpdate/ProviderParty | KatalogUdbyder | 1 | The sender of the Catalogue. |
| CataloguePricingUpdate/ProviderParty/ EndpointID | EndePunktID | 1 | The electronic address of the sender, for example as registered with the VANS network. |

| | | | A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeID, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
|---|---|---|---|
| CataloguePricingUpdate/ProviderParty/ EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/ProviderParty/ EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CataloguePricingUpdate/ProviderParty/ PartyIdentification | PartIdentifikation | 0..n | Identification for the Catalogue Provider using an identifer. |
| CataloguePricingUpdate/ProviderParty/ PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| CataloguePricingUpdate/ProviderParty/ PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/ProviderParty/ PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CataloguePricingUpdate/ProviderParty/ PartyName | PartNavn | 0..n | Identification of the Catalogue Provider by name |
| CataloguePricingUpdate/ProviderParty/ PartyName/Name | Navn | 1 | If the Catalogue Provider has not been identified by ID, they must be identified by name. |
| CataloguePricingUpdate/ProviderParty/ PartyLegalEntity | JuridiskPart | 1 | A Catalogue Provider must have a legal entity. (See also OIOUBL Guideline Party (Ref. G23)) |
| CataloguePricingUpdate/ProviderParty/ PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CataloguePricingUpdate/ProviderParty/ PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CataloguePricingUpdate/ReceiverParty | KatalogModtager | 1 | The Receiver of the Catalogue. |
| CataloguePricingUpdate/ReceiverParty /EndpointID | EndePunktID | 1 | The electronic address of the receiver, for example as registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CataloguePricingUpdate/ReceiverParty/ EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/ReceiverParty/ EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value |

| | | | is "GLN" etc. (refer to codelist) |
|---|---|---|---|
| CataloguePricingUpdate/ReceiverParty/ PartyIdentification | PartIdentifikation | 0..n | Identification of the Catalogue Receiver by ID |
| CataloguePricingUpdate/ReceiverParty/ PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier.<br>In this element, CVR numbers are always entered as 10 characters, as the country code is always included, e. g. "DK12345678", for GLN numbers it is 13 characters, etc. |
| CataloguePricingUpdate/ReceiverParty/ PartyIdentification/ID@schemeAgencyI D | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/ReceiverParty/ PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CataloguePricingUpdate/ReceiverParty/ PartyName | PartNavn | 0..n | Identification of the Catalogue Receiver by name |
| CataloguePricingUpdate/ReceiverParty/ PartyName/Name | Navn | 1 | If the Catalogue Receiver has not been identified by ID, they must be identified by name. |
| CataloguePricingUpdate/ReceiverParty/ PartyLegalEntity | JuridiskPart | 1 | A Catalogue Receiver must have a legal entity. |
| CataloguePricingUpdate/ProviderParty/ PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678".<br>Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CataloguePricingUpdate/ProviderParty/ PartyLegalEntity/CompanyID@schemeI D | | | Must be "DK:CVR" or "DK:CPR". |
| CataloguePricingUpdate/SellerSupplier Party | Leverandør | 1 | The supplier of the items in the catalogue. If the supplier is the same as the ProviderParty the data is repeated |
| CataloguePricingUpdate/SellerSupplier Party/EndpointID | EndePunktID | 0..1 | The electronic address, for example, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CataloguePricingUpdate/SellerSupplier Party /EndpointID@@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/SellerSupplier Party /EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CataloguePricingUpdate/SellerSupplier Party/PartyIdentification | PartIdentifikation | 0..n | Identification for the Supplier using an identifer. |
| CataloguePricingUpdate/SellerSupplier Party/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier.<br>CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| CataloguePricingUpdate/SellerSupplier Party/PartyIdentification/ID@schemeAg | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS |

| | | | |
|---|---|---|---|
| encyID | | | number the value must be "16". For all other ID's the attribute must not be displayed. |
| CataloguePricingUpdate/SellerSupplier Party/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CataloguePricingUpdate/SellerSupplier Party/PartyName | PartNavn | 0..n | Identification of the Supplier by name |
| CataloguePricingUpdate/SellerSupplier Party/PartyName/Name | Navn | 1 | If the Supplier has not been identified by ID, they must be identified by name. |
| CataloguePricingUpdate/SellerSupplier Party/PartyLegalEntity | JuridiskPart | 1 | A Supplier must be identified as a legal entity. |
| CataloguePricingUpdate/SellerSupplier Party /PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CataloguePricingUpdate/SellerSupplier Party/PartyLegalEntity/CompanyID@sc hemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine | KatalogPrisOpdateringsLinje | 1..n | A pricing update document must contain at least one line item. |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/ID | ID | 1 | A unique ID, defined by the supplier, identifying the item having its price updated. As the item numbers of a supplier may not be unique, the ID could be a combination of the supplier ID and the item number. |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity | KrævetVarePrisVariant | 1..n | It is important to note that, when updating prices, the existing RequiredItemLocationQuantity (StedMængdePris) classes on the corresponding CataloguePricingUpdateLine are overwritten. |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity/Price | Pris | 1 | No more than one price may be specified under the RequiredItemLocationQuantity. If price/quantity relationships are required, then the whole RequiredItemLocationQuantity class is repeated. See OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity/Price/PriceAmount | PrisBeløb | 1 | The price of the BaseQuantity, as described below. The price of the orderable unit is calculated as PriceAmount * OrderableUnitFactorRate (See OIOUBL Guideline Catalogue Pricing (Ref. G40)) |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity/Price/PriceAmount@currencyID | Valuta | 1 | Currency code, for example DKK for Danish Kroner |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity/Price/BaseQuantity | BeregningsGrundlagMængde | 1 | The quantity expressed by the price. For example, if a Catalogue line was for one bottle of wine at DKK 60.00 per bottle, then: OrderableUnit: "BO" for bottle PriceAmount: 60,00 DKK BaseQuantity: 1 (the unitCode attribute will also specify that the unit in question is bottles ("BO")) OrderableUnitFactorRate: 1 (see below) See OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| CataloguePricingUpdate/CataloguePrici ngUpdateLine/RequiredItemLocationQu antity/Price/BaseQuantity@unitCode | | 1 | UOM for BaseQuantity. For example, "BO" (bottle) as described above. |
| CataloguePricingUpdate/CataloguePrici | OrdreAntalMængdeRate | 1 | Conversion factor from BaseQuantity to |

| | | | |
|---|---|---|---|
| ngUpdateLine/RequiredItemLocationQuantity/Price/ OrderableUnitFactorRate | | | OrderableUnit.<br>The default value is 1, which means that BaseQuantity and OrderableUnite are equal. For example, a catalog line with a case of wine containing 12 bottles at DKK 60.00 per bottle:<br>OrderableUnit: "CS" for case<br>PriceAmount: 60,00 DKK<br>BaseQuantity: 1 BO (bottle).<br>OrderableUnitFactorRate: 12<br>See OIOUBL Guideline Catalogue Pricing (Ref. G40) for a more detailed description. |
| CataloguePricingUpdate/CataloguePricingUpdateLine/RequiredItemLocationQuantity/ApplicableTaxCategory | GældendeAfgifsKategori | 0..n | Used if the item is taxable (e.g. sales tax) or not. See the OIOBUL Guideline Tax (Ref. G27) |
| CataloguePricingUpdate/CataloguePricingUpdateLine/RequiredItemLocationQuantity/ApplicableTaxCategory/ID | ID | 1 | In the ID, the tax category is specified, e. g. StandardRated for consumption tax, or ZeroRated if no consumption tax, as per the code list. |
| CataloguePricingUpdate/CatalogueLine/RequiredItemLocationQuantity/ApplicableTaxCategory/ID@schemeAgencyID | | | In schemeAgencyID the value is "320" since the danish National IT and Telecom Agency maintains the codelist |
| CataloguePricingUpdate/CatalogueLine/RequiredItemLocationQuantity/ApplicableTaxCategory/ID@schemeID | | | A urn specify the location for a list of valid values: urn:oioubl:id:taxcategoryid-1.1 |
| CataloguePricingUpdate/CataloguePricingUpdateLine/RequiredItemLocationQuantity/ApplicableTaxCategory/Percent | Procent | 0..1 | Specification of the taxation percentage, e. g. 25%<br>Alternatively, the tax per unit may be specified using PerUnitAmount. |
| CataloguePricingUpdate/CataloguePricingUpdateLine/RequiredItemLocationQuantity/ApplicableTaxCategory/TaxScheme | AfgiftsOmråde | 1 | Describes the applicable tax scheme. |
| CataloguePricingUpdate/CataloguePricingUpdateLine/RequiredItemLocationQuantity/ApplicableTaxCategory/TaxScheme/ID | ID | 1 | Code for the tax scheme, e. g. "63" for sales tax (refer to code list). |
| CataloguePricingUpdate/CatalogueLine/RequiredItemLocationQuantity/ApplicableTaxCategory/TaxScheme/ID/@schemeAgencyID | | | In schemeAgencyID the value is "320" since the danish National IT and Telecom Agency maintains the codelist |
| CataloguePricingUpdate/CatalogueLine/RequiredItemLocationQuantity/ApplicableTaxCategory/TaxScheme/ID/@schemeID | | | A urn specify the location for a list of valid values: urn:oioubl:id:taxshemeid-1.1 |
| Catalogue/CatalogueLine/RequiredItemLocationQuantity/ApplicableTaxCategory/TaxScheme/Name | Navn | 1 | Name of the tax scheme, e. g. Moms (consumption tax) |

☝ Note that no *ActionCode* (*InstruktionsKode*) is specified for the price update line. This is not required, as the document only applies to price updates for existing items. If only one item is to be deleted or added, the Catalogue document is used.

Also note that the *OrderableUnit* cannot be changed using the price update document.

## 2.1.3 The CatalogueItemSpecificationUpdate document

For an ItemSpecificationUpdate within an existing Catalogue the following elements are mandatory:

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| CatalogueItemSpecificationUpdate/UBLVersionID | UBLVersionID | 1 | The UBL version is 2.0 |
| CatalogueItemSpecificationUpdate/CustomizationID | SpecialtilpasningsID | 1 | The value is always OIOUBL-2.01 |
| **CatalogueItemSpecificationUpdate/ProfileID** | ProfilID | 1 | Catalogue/PriofileID is information from the Initiating Party about which Catalogue documents they can handle. (refer to code list) See also the OIOUBL Guideline Profiles (Ref. G26). |
| CatalogueItemSpecificationUpdate/ID | ID | 1 | The Catalogue Provider's unique identification of the update document. |
| CatalogueItemSpecificationUpdate/IssueDate | UdstedelsesDato | 1 | The date that the Catalogue Provider generates the item update, e. g. 2006-09-01. |
| CatalogueItemSpecificationUpdate/VersionID | VersionsID | 1 | The Catalogue version. See the recommendation for use of versioning in section 4.1.2. |
| CatalogueItemSpecificationUpdate/RelatedCatalogueReference | RelateretKatalogReference | 1 | Reference to the Catalogue that is being updated This class also contains references to date, version, etc. |
| CatalogueItemSpecificationUpdate/RelatedCatalogueReference/ID | ID | 1 | Reference to the ID (Catalogue/ID) of the Catalogue that is being updated. |
| CatalogueItemSpecificationUpdate/ProviderParty | KatalogUdbyder | 1 | The sender of the Catalogue. |
| CatalogueItemSpecificationUpdate/ProviderParty/EndpointID | EndePunktID | 1 | The electronic address of the sender. For example, as registered within the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CatalogueItemSpecificationUpdate/ProviderParty/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueItemSpecificationUpdate/ProviderParty/EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/ProviderParty/PartyIdentification | PartIdentifikation | 0..n | Identification for the Catalogue Provider using an identifer. |
| CatalogueItemSpecificationUpdate/ProviderParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| CatalogueItemSpecificationUpdate/ProviderParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |

| | | | |
|---|---|---|---|
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyName | PartNavn | 0..n | Identification of the Catalogue Provider by name |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyName/Name | Navn | 1 | If the Catalogue Provider has not been identified by ID, they must be identified by name. |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyLegalEntity | JuridiskPart | 1 | A Catalogue Provider must be identified as a legal entity. (See also OIOUBL Guideline Party (Ref. G23)) |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters)  as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CatalogueItemSpecificationUpdate/ReceiverParty | KatalogModtager | 1 | The Receiver of the Catalogue. |
| CatalogueItemSpecificationUpdate/ReceiverParty/ EndpointID | EndePunktID | 1 | The electronic address, for exmaple, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CatalogueItemSpecificationUpdate/ReceiverParty/ EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueItemSpecificationUpdate/ReceiverParty/ EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyIdentification | PartIdentifikation | 0..n | Identification of the Catalogue Receiver by ID |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. In this element, CVR numbers are always entered as 10 characters, as the country code is always included, e. g. "DK12345678", for GLN numbers it is 13 characters, etc. |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyIdentification/ID@schemeID | | 1 | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyName | PartNavn | 0..n | Identification of the Catalogue Receiver by name |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyName/Name | Navn | 1 | If the Catalogue Receiver has not been identified by ID, they must be identified |

| | | | |
|---|---|---|---|
| | | | by name. |
| CatalogueItemSpecificationUpdate/ReceiverParty/ PartyLegalEntity | JuridiskPart | 1 | A Catalogue Receiver must be identified as a legal entity. |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters)  as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CatalogueItemSpecificationUpdate/ProviderParty/ PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CatalogueItemSpecificationUpdate/SellerSupplier Party | Leverandør | 1 | The supplier of the items in the catalogue. If the supplier is the same as the ProviderParty the data is repeated |
| CatalogueItemSpecificationUpdateSellerSupplierP arty/EndpointID | EndePunktID | 0..1 | The electronic address, for example, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyIdentification | PartIdentifikation | 0..n | Identification for the Supplier using an identifer. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyName | PartNavn | 0..n | Identification of the Supplier by name |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyName/Name | Navn | 1 | If the Supplier has not been identified by ID, they must be identified by name. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party/PartyLegalEntity | JuridiskPart | 1 | A Supplier must be identified as a legal entity. |
| CatalogueItemSpecificationUpdate/SellerSupplier Party /PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters)  as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| CatalogueItemSpecificationUpdatee/SellerSupplie rParty /PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine | KatalogVareSpecifikations-OpdateringsLinje | 1..n | A valid item specification update document must contain at least one line item. |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/ID | ID | 1 | A unique ID, defined by the supplier, identifying the item having its price updated. As the item numbers of a supplier may not be unique, the ID could be a combination of the supplier ID and the item number. |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item | Vare | 1 | For each CatalogueItemSpecification line one item must be entered. It is important to note that, when updating items, the existing Item (Vare) details on the corresponding item line should be overwritten. |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item/Name | Navn | 1 | Item name or item text, e. g. "Copy paper A4", "Nokia 6280", or "Da Vinci Code, The" (40 characters max) |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item/SellersItemIdentifica tion | SælgersVareIdentifikation | 0..1 | Seller's identification of the item |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item/SellersItemIdentifica tion/ID | ID | 1 | Item identifer defined by the seller. |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item/CommodityClassific ation | VareTypeKlassifikation | 1 | Item classification |
| CatalogueItemSpecificationUpdate/CatalogueItem SpecificationUpdateLine/Item/CommodityClassific ation/ItemClassificationCode | VareKlassifikationsKode | 1 | UN/SPSC code for item classification. Use of UN/SPSC version 7.0401 is recommended. Danish translation is available. The classification selected is specified in the attributes. |

☞ Note that an ActionCode (InstruktionsKode) is not specified for the item specification update line. This is not required as the document is only applicable for updates of item descriptions on existing items. If only one item is to be deleted or added, the Catalogue document should be used.

## 2.1.4 The CatalogueDeletion document

To delete an existing Catalogue the following elements must be used:

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| CatalogueDeletion/UBLVersionID | UBLVersionID | 1 | The UBL version is 2.0 |
| CatalogueDeletion/CustomizationID | SpecialtilpasningsID | 1 | The value is always OIOUBL-2.01 |
| CatalogueDeletion/ProfileID | ProfilID | 1 | Catalogue/ProfileID is information from the Initiating Party about which Catalogue documents they can handle (refer to code list). See also the OIOUBL Guideline Profiles (Ref. G26) |
| CatalogueDeletion/ID | ID | 1 | The Catalogue Provider's unique identification of the deletion document. |
| CatalogueDeletion/IssueDate | UdstedelsesDato | 1 | The date on which the Catalogue Provider generated the deletion document. |
| CatalogueDeletion/DeletedCatalogueReference | SlettetKatalogReference | 1 | Reference to the Catalogue that is being |

| | | | deleted |
|---|---|---|---|
| CatalogueDeletion/DeletedCatalogueReference/ID | ID | 1 | Reference to the ID (Catalogue/ID) of the Catalogue being deleted. |
| CatalogueDeletion/ProviderParty | KatalogUdbyder | 1 | The sender of the Catalogue. |
| CatalogueDeletion/ProviderParty /EndpointID | EndePunktID | 1 | The electronic address of the sender. For example, as registered within the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CatalogueDeletion/ProviderParty/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueDeletion/ProviderParty/EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueDeletion/ProviderParty/PartyIdentification | PartIdentifikation | 0..n | Identification for the Catalogue Provider using an identifer. |
| CatalogueDeletion/ProviderParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. CVR numbers are always entered as 10 characters, e. g. "DK12345678" (the country code is mandatory). For GLN numbers 13 characters are used. |
| CatalogueDeletion/ProviderParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueDeletion/ProviderParty/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueDeletion/ProviderParty/PartyName | PartNavn | 0..n | Identification of the Catalogue Provider by name |
| CatalogueDeletion/ProviderParty/PartyName/Name | Navn | 1 | If the Catalogue Provider has not been identified by ID, they must be identified by name. |
| CatalogueDeletion/ProviderParty/PartyLegalEntity | JuridiskPart | 1 | A Catalogue Provider must be identified as a legal entity. (See also OIOUBL Guideline Party (Ref. G23)) |
| CatalogueDeletion/ProviderParty/PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CatalogueDeletion/ProviderParty/PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |
| CatalogueDeletion/ReceiverParty | KatalogModtager | 1 | The Receiver of the Catalogue. |
| CatalogueDeletion/ReceiverParty/EndpointID | EndePunktID | 1 | The electronic address, for example, as it is registered with the VANS network. A Party must have an EndpointID in order to exchange electronic documents. The |

| | | | |
|---|---|---|---|
| | | | ID type is specified in the attribute schemeDataURI, as described below. (See also OIOUBL Guideline EndpointID (Ref. G22)) |
| CatalogueDeletion/ReceiverParty/EndpointID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueDeletion/ReceiverParty/EndpointID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueDeletion/ReceiverParty/PartyIdentification | PartIdentifikation | 0..n | Identification of the Catalogue Receiver by ID |
| CatalogueDeletion/ReceiverParty/PartyIdentification/ID | ID | 1 | The ID may be specified as an CVR number, GLN number, P number, SE number or other unique identifier. In this element, CVR numbers are always entered as 10 characters, as the country code is always included, e. g. "DK12345678", for GLN numbers it is 13 characters, etc. |
| CatalogueDeletion/ReceiverParty/PartyIdentification/ID@schemeAgencyID | | | Is the type of ID a GLN number the schemeAgencyID is "9" and if it is a DUNS number the value must be "16". For all other ID's the attribute must not be displayed. |
| CatalogueDeletion/ReceiverParty/PartyIdentification/ID@schemeID | | | The type of ID used must be specified in schemeID. If it is a CVR number the value is "DK:CVR" and if it is a GLN number the value is "GLN" etc. (refer to codelist) |
| CatalogueDeletion/ReceiverParty/PartyName | PartNavn | 0..n | Identification of the Catalogue Receiver by name |
| CatalogueDeletion/ReceiverParty/PartyName/Name | Navn | 1 | If the Catalogue Receiver has not been identified by ID, they must be identified by name. |
| CatalogueDeletion/ReceiverParty/PartyLegalEntity | JuridiskPart | 1 | A Catalogue Receiver must be identified as a legal entity. |
| CatalogueDeletion/ProviderParty/PartyLegalEntity/CompanyID | RegistreringsNummer | 1 | Preferably use the company's CVR number (always 10 characters) as the country code is included, e. g. "DK12345678". Alternatively, use the CPR number of the person (always 10 digits without the dash, e. g. "1212651214") |
| CatalogueDeletion/ProviderParty/PartyLegalEntity/CompanyID@schemeID | | | Must be "DK:CVR" or "DK:CPR". |

☞ Note that CatalogueDeletion deletes the entire catalogue. To delete individual items from an existing catalogue, use the Catalogue document.

# 3. Description

In this section the individual Catalogue documents are described further, with a particular focus on how catalogues and items are identified for creation and updates.

At the end of this section the use of validity periods in Catalogue documents is also described.

For a description of which elements must be used in the individual documents, please refer to

section 2 above; "Relevant UBL Classes and Elements."

## 3.1  Use of the Catalogue document

Only the Catalogue document can be used to establish a new catalogue. The Catalogue document is the most flexible, but also the most comprehensive of the Catalogue documents. It can be used to establish a new Catalogue, and subsequently it can be used for adding, deleting or updating individual Catalogue lines.

### 3.1.1 Identification of the Catalogue

An important issue is the ability of the Supplier or Catalogue Provider to uniquely identify a catalogue. This avoids confusion when a catalogue is being updated or deleted. A catalogue must be identified by the ID (a name may also be provided). This is demonstrated in the following example:

```
<Catalogue>
        …
        <cbc:ID>12457812_CAT_01</cbc:ID>
        <cbc:UUID>93jjasdoijasdjfqw9rtowdjwasdjf05</cbc:UUID>
        <cbc:Name>Wine</cbc:Name>
        <cbc:IssueDate>2006-07-20</cbc:IssueDate>
        <cbc:RevisionDate>2006-03-10</cbc:RevisionDate>
        <cbc:Note>Vineksperten A/S can deliver gift wraped wine in all sizes</cbc:Note>
        <cbc:Description>Wine catalogue form Vineksperten A/S</cbc:Description>
        <cbc:VersionID>11.1</cbc:VersionID>
        <cbc:PreviousVersionID>11.0</cbc:PreviousVersionID>
        …
</Catalogue>
```

**Figure 1: Example of Catalogue identification.**

If a Catalogue provider sends a Catalogue document with a different ID from any existing Catalogue, this should be considered a new catalogue (based on a new agreement) and not an update of an existing catalogue.

Note that the *UUID* identifies a specific document instance, not a catalogue.

The *IssueDate* must contain the creation date of the catalogue, while *RevisionDate* may be used to define when the catalogue was last updated.

### 3.1.2  Versioning

Together with the *ID*, the *VersionID* is used for identifying which version of the Catalogue is being processed. A recommended use of *VersionID* is described below.

The first digit is used to specify complete catalogue updates for an existing catalogue. For example, "1.0", "2.0", "3.0", etc. Only the Catalogue document can be used to provide a complete catalogue update. For the Catalogue receiver a complete update means that items that are not updated should be deleted from the catalogue.

As a general rule, however, the supplier should maintain the catalogue and delete expired items. A Catalogue Provider should not send an updated version which may require manual handling by the

Catalogue Receiver without prior agreement with the Receiver.

If a partial update of the catalogue is required in which individual products are updated, added, or deleted, the digits after the decimal point are used to specify the minor version. For example, "1.1", "1.2", "2.1", etc. Partial updates may be performed using either Catalogue, CataloguePricingUpdate, or CatalogueItemSpecificationUpdate.

*PreviousVersionID* is used to specify the latest previous version, i.e. the version being updated.

### 3.1.3 Item Identification

Just as it is important to identify the catalogue, it is equally important to identify the individual articles or line items on a catalogue.

A line item in a catalogue is identified by the *CatalogueLine/ID*. This unique identification is used when updating the catalogue, as in the following example:

```
<cac:CatalogueLine>
      <cbc:ID>11223344-457896432</cbc:ID>
      <cbc:ActionCode listAgencyID="320" listID="urn:oioubl:codelist:catalogueactioncode-
      1.1">Add</cbc:ActionCode>
      …
</cac:CatalogueLine>
```
**Figure 2: Example of Catalogue Line identification**

Identifiers for a specific item are defined within the Item class, but as this is not present in the CataloguePricingUpdate document, it means that the *CatalogueLine/ID* is needed to create a unique identification. Accordingly, it is the responsibility of the Supplier or the Catalogue Provider to establish the *CatalogueLine/ID*.

One option is to make the *CatalogueLine/ID* a combination of the Supplier ID and the Item ID, as any combination of these should be unique.

An actual Item may be identified in several ways. Typically, the Supplier will use their Item ID specified under *CatalogueLine/Item/SellersItemIdentification/ID*. As in:

```
<cac:Item>
      <cac:SellersItemIdentification>
            <cbc:ID>87067606</cbc:ID>
      </cac:SellersItemIdentification>
      …
</cac:Item>
```
**Figure 3: Example of Item identification**

However, a manufacturer's item identifier or an industry standard identifier may also be used for this method. Refer to the OIOUBL Guideline Catalogue Item Descriptions and Categorization (Ref. G38) for a more detailed description.

As the *CatalogueLine/ID* identifies lines from the catalogue, the same Item (same *SellersItemIdentification/ID*) from the same Supplier (*PartyIdentification/ID*) may appear several times in the same Catalogue. This allows for attaching different terms to the same Item, such as a

particular price for a particular types of customer.

However, this option should not be used without prior agreement from the Receiver, as the Receiver's Catalogue must be set up accordingly. See the OIOUBL Guideline Catalogue Pricing (Ref. G40) for more details on pricing agreements.

If the Catalogue Receiver supports CataloguePricingUpdate, the item should be identified using *CatalogueLine/ID*.

If the Catalogue Receiver does not support CataloguePricingUpdate or allow duplicate item identifiers from the same supplier, the Supplier Party (when sending the Catalogue document) may choose to identify an item with the *SupplierPartyIdentification/ID* and *SellersItemIdentification/ID*, or possibly the *CatalogueLine/ID* combined with the *SupplierPartyIdentification/ID*.

### 3.1.4 Creating a new Catalogue

When a new catalogue is created, a unique identifier is established and the *VersionID* should be set to "1.0". (See section 2.1.1 for a minimum catalogue)

If a Catalogue Provider sends a Catalogue document as a replacement for an existing catalogue, that Catalogue Provider should first send a CatalogueDeletion document to delete the old catalogue.

For all new items, each *CatalogueLine* added is given a unique identifier and assigned the

*ActionCode* value of **"Add"**.

### 3.1.5 Updating or deleting a Catalogue Line

When an item on an existing catalogue is updated (or deleted), the *Catalogue/ID* is used to identify the Catalogue involved. The *Catalogue/CatalogueLine/ID* then identifies the catalogue line that should be updated or deleted (See also section 3.1.3).

Under each *CatalogueLine/ID* the value in the *ActionCode* specifies what should happen with the respective item. That is, whether it should be added ("Add"), updated ("Update"), or deleted ("Delete").

When catalogue lines are updated using the Catalogue document, the entire *CatalogueLine* is updated. This means that any information not specified in the update document will be lost from the catalogue. Unlike the update and delete documents, Catalogue documents do **not** need to have a reference to existing catalogues (i.e. there need not be a *RelatedCatalogueReference*).

Note also that the information for each *CatalogueLine* (with the exceptions of *ID*, *ContractorCustomerParty*, and *SellerSupplierParty*) can only be updated with the Catalogue document, and not with the CataloguePricingUpdate or CatalogueItemSpecificationUpdate documents. This means information for ordering, validity periods, etc. can only be updated using a Catalogue document

## 3.2 Use of the CataloguePricingUpdate document

The purpose of a separate CataloguePricingUpdate document is to provide a smaller version of the Catalogue document that can be used when only changes in prices are required.
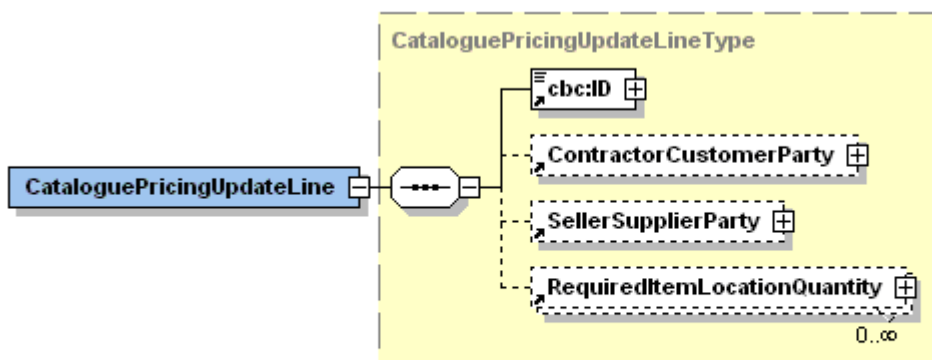
With the CataloguePricingUpdate document a catalogue must also be identified by a unique *ID* according to the same principles as the Catalogue document (described in 3.1.1).

The *CataloguePricingUpdate/VersionID* is used for specifying the new version. As this is a partial update, the digits after the decimal place are used, for example "1.1" (as described in section 3.1.2).

There are two aspects of the CataloguePricingUpdate documents that are not available in the Catalogue document. The first is the ability to specify a language that applies to apply to the whole catalogue *(DefaultLanguage)*. The second is the mandatory *RelatedCatalogueReference/ID* used to identify the catalogue being updated. This is shown in the following example:

```
<cac:RelatedCatalogueReference>
      <cbc:ID>12457812_CAT_01</cbc:ID>
</cac:RelatedCatalogueReference>
```

The other differences between Catalogue and CataloguePricingUpdate are at line level where *CataloguePricingUpdateLine* provides for only a subset of the *CatalogueLine* elements, as shown below:



The identifier (*ID*) under *CataloguePricingUpdateLine* identifies the catalogue line being updated (see also section 3.1.3).

It is also possible to specify a Customer (ContractorCustomerParty) and a Supplier (*SellerSupplierParty*) to whom the item applies. This information may be useful for portals and marketplaces. See OIOUBL Guideline Catalogue Parties (Ref. G39) for a more detailed description on this topic.

Finally, there is a *RequiredItemLocationQuantity* within which the *BaseQuantity* and *Price* are specified. For information on price related fields see the OIOUBL Guideline Catalogue Pricing (Ref. G40).

Note that when a CataloguePricingUpdate document is received the entire *ContractorCustomerParty, SellerSupplierParty*, and *RequiredItemLocationQuantity* information should be overwritten in any existing catalogue.

## 3.3  Use of the CatalogueItemSpecificationUpdate document

The purpose of a separate CatalogueItemSpecificationUpdate document is to provide a smaller

version of the Catalogue document that can be used when only the specification of items are being changed in a catalogue.
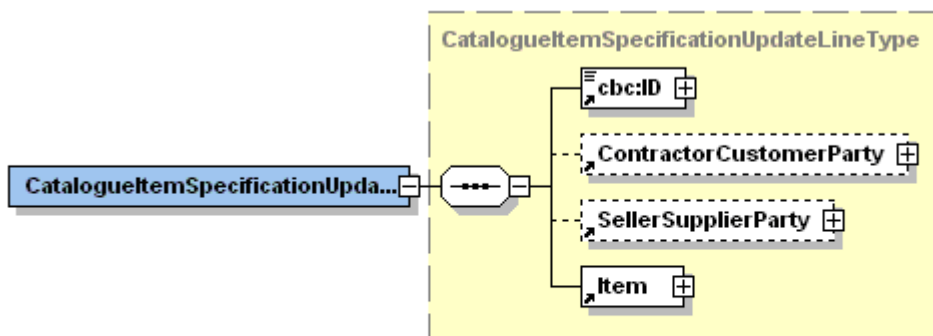
With the CatalogueItemSpecificationUpdate document a catalogue must also be identified by a unique ID according to the same principles as the Catalogue document (described in 3.1.1).

The *CatalogueItemSpecificationUpdate/VersionID* is used for specifying the new version. As this is a partial update, the digits after the decimal place are used, for example "1.1" (as described in section 3.1.2).

There are two aspects of the CatalogueItemSpecificationUpdate documents that are not available in the Catalogue document. The first is the ability to specify a language that applies to apply to the whole catalogue (*DefaultLanguage)*. The second is the mandatory *RelatedCatalogueReference/ID* used to identify the catalogue being updated. This is shown in the following example:

```
<cac:RelatedCatalogueReference>
      <cbc:ID>12457812_CAT_01</cbc:ID>
</cac:RelatedCatalogueReference>
```

As with the CataloguePricingUpdate document, the other differences between Catalogue and CatalogueItemSpecificationUpdate are at Line level where *CatalogueItemSpecificationUpdateLine* is a subset of a *CatalogueLine*.



The identifer (*ID*) under *CatalogueItemSpecificationUpdateLine* identifies the catalogue line being updated (see also section 3.1.3).

It is also possible to specify a Customer (*ContractorCustomerParty*) and a Supplier (*SellerSupplierParty)* to whom the item applies. This information may be useful for portals and marketplaces. See OIOUBL Guideline Catalogue Parties (Ref. G39) for a more detailed description on this topic.

Finally, there is an Item within which the Item description, categorization, etc. are specified. For information on item related fields see the OIOUBL Guideline Catalogue Item Description (Ref. G38).

Note that when a CatalogueItemSpecificationUpdate document is received the entire *ContractorCustomerParty, SellerSupplierParty*, and *Item* information should be overwritten in any existing catalogue.

## 3.4 Use of CatalogueDeletion

The CatalogueDeletion document is used when the Catalogue Provider wishes to delete an entire catalogue.

The only information necessary for deleting a catalogue are the mandatory sender (*ProviderParty*) and receiver (*ReceiverParty)* information, a date (*IssueDate)*, and the identifier (*DeletedCatalogueReference/ID*) that identifies the catalogue to be deleted (as demonstrated in the following example).

```
<cac:DeletedCatalogueReference>
      <cbc:ID>12457812_CAT_01</cbc:ID>
</cac:DeletedCatalogueReference>
```

Note that if the *CatalogueProvider* only wants to delete individual line items (for example items that have expired), the Catalogue document should be used. In this case the value for

*CatalogueLine/ActionCode* is set to "delete" for the line item in question.

## 3.5 Catalogue Validity Period

A validity period can apply at several levels in the catalogue documents.

In the Catalogue document a validity period (*ValidityPeriod*) must be specified at document level. This means that no items form the catalogue may be purchased after the expiry of the validity period.. As a minimum a start date (*StartDate*) must be entered for the period.

Using *Catalogue/CatalogueLine* a validity period (*LineValidityPeriod*) may be defined that applies to the individual catalogue item only. No more than one period can be specified for each catalogue line.

Another validity period is available under the price (*RequestedItemLocationQuantity/Price*) on the Catalogue and CataloguePricingUpdate documents, where a time limit can be applied to the validity of the price.

It is a general rule that the validity period on a higher level in the document takes precedence of a validity period at a lower level. This means that if the validity period for the whole catalogue is expired, the line and the price also become invalid, even if their specified periods appear to be still valid. A validity period on a lower level should therefore not exceed the validity period specified at a higher level.

Since both the validity period of the whole catalogue as well as that of the individual catalogue line only can be specified in the Catalogue document, these validity periods can only be modified by use of the Catalogue document. They cannot be updated using either the CataloguePricingUpdate or CatalogueItemSpecificationUpdate documents.

A *ValidityPeriod* may contain the following elements:

| UK-name | DK-name | Use | Remarks |
|---|---|---|---|
| StartDate | StartDato | 0..1 (1) | A start date can be specified. Note that a start date must be specified in the Catalogue dokument.<br>If only the start date is specified, the validity period has no time limit. |
| StartTime | StartTid | 0..1 | The starting time can be specified. |
| EndDate | SlutDato | 0..1 | An ending date may be specified if the period has a limited lifetime.  That is, after the EndDate passes, the validity expires. |
| EndTime | SlutTid | 0..1 | An ending time may be specified. |
| Description | Description | 0..n | This alows for supplementary descriptions about the period. The multiplicity allows for different language descriptions. Only one description per language is allowed. |

## 3.5.1  Response deadline for accepting the Catalogue

When the *ProviderParty* submits a Catalogue document, they can request approval of the catalogue content within a given date, if it is to be effective.

The text is entered under *Catalogue/TradingTerms/Information* as in this example:

```
<cac:Catalogue>
      ...
      <cac:TradingTerms>
      <cbc:Information>Kataloget bedes godkendt senest 14 dage fra
                                       udstedelsesdagen</cbc:Information>
      </cac:TradingTerms>
      ...
</cac:Catalogue>
```
**Figure 4: Example of specifying a deadline for approval of a catalogue**

# 4. Examples

The following examples show the specification of a new catalogue, a catalogue with a catalogue line that needs updating, and the use of validity periods.

Note that in these documents used for these examples a *ProviderParty* and *ReceiverParty* must also be specified but for simplicity they have not been included here.

## 4.1 Creating a new Catalogue

This example shows a new Catalogue with one catalogue line.

```
</Catalogue>
        <cbc:UBLVersionID>2.0</cbc:UBLVersionID>
        <cbc:CustomizationID>OIOUBL-2.01</cbc:CustomizationID>
        <cbc:ProfileID schemeAgencyID="320" schemeID="urn:oioubl:id:profileid-1.1">Cataloque-CatAdv-
1.0</cbc:ProfileID>
        <cbc:ID>45656787-CAT1</cbc:ID>
        <cbc:Name>Mobile phone</cbc:Name>
        <cbc:IssueDate>2006-07-15</cbc:IssueDate>
        <cbc:VersionID>1.0</cbc:VersionID>
        <cac:ValidityPeriod>
                <cbc:StartDate>2006-08-01</cbc:StartDate>
                <cbc:EndDate>2007-07-31</cbc:EndDate>
        </cac:ValidityPeriod>
        <cac:ProviderParty/>
        <cac:ReceiverParty/>
        <cac:CatalogueLine>
                <cbc:ID>45656787-87067606</cbc:ID>
                <cbc:ActionCode listAgencyID="320" listID="urn:oioubl:codelist:catalogueactioncode-
1.1">Add</cbc:ActionCode>
                <cbc:OrderableIndicator>true</cbc:OrderableIndicator>
                <cbc:OrderableUnit>EA</cbc:OrderableUnit>
                <cbc:ContentUnitQuantity unitCode="EA">1</cbc:ContentUnitQuantity>
                <cac:LineValidityPeriod>
                        <cbc:StartDate>2006-08-01</cbc:StartDate>
                        <cbc:EndDate>2006-09-01</cbc:EndDate>
                </cac:LineValidityPeriod>
                <cac:RequiredItemLocationQuantity>
                        <cbc:LeadTimeMeasure unitCode="DAY">3</cbc:LeadTimeMeasure>
                        <cac:Price>
                                <cbc:PriceAmount currencyID="DKK">799.00</cbc:PriceAmount>
                                <cbc:BaseQuantity unitCode="EA">1</cbc:BaseQuantity>
                                <cbc:OrderableUnitFactorRate>1</cbc:OrderableUnitFactorRate>
                        </cac:Price>
                        <cac:ApplicableTaxCategory>
                                <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:taxcategoryid-
1.1">StandadRated</cbc:ID>
                                <cbc:Percent>25</cbc:Percent>
                                <cac:TaxScheme>
                                        <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:
taxschemeid-1.1">63<cbc:ID>
                                        <cbc:Name>Moms<cbc:Name>
                                </cac:TaxScheme>
                        </cac:ApplicableTaxCategory>
                </cac:RequiredItemLocationQuantity>
                <cac:Item>
                        <cbc:Description>Nokia Mobile telephone - Type ABC</cbc:Description>
                        <cbc:PackQuantity unitCode="EA">1</cbc:PackQuantity>
                        <cbc:PackSizeNumeric>1</cbc:PackSizeNumeric>
                        <cbc:Name>Nokia ABC</cbc:Name>
                        <cbc:BrandName>Nokia</cbc:BrandName>
                        <cac:SellersItemIdentification>
                                <cbc:ID>87067606</cbc:ID>
                        </cac:SellersItemIdentification>
                        <cac:CommodityClassification>
                                <cbc:ItemClassificationCode listName="UNSPSC"
                                        listVersionID="7.0401">43191501</cbc:ItemClassificationCode>
                        </cac:CommodityClassification>
                </cac:Item>
```

```
          </cac:CatalogueLine>
</Catalogue>
```

**Figure 5: Example of the creation of a new Catalogue**


The *ID* provides the identification of the Catalogue.

The *VersionID* specifies that this is a new catalogue (the version is "1.0").

The *CatalogueLine/ID* identifies the item that is to be added (*ActionCode* = Add). For a more detailed description on how *RequiredItemLocationQuantity* and *Item* are used, see the OIOUBL Guideline Catalogue Pricing (Ref. G40) and OIOUBL Guideline Catalogue Item Descriptions and Categorization (Ref. G38).

A *ValidityPeriod* has been specified at document level specifying the validity period for the whole Catalogue as August 1st, 2006 to July 31st, 2007.

A *ValidityPeriod* is also used on the *CatalogueLine*, and here it advises that this specific item is only available from August 1st 2006 to September 1st 2006.


## 4.2 Updating a Catalogue Line

As mentioned previously, the Catalogue, CataloguePricingUpdate and the CatalogueItemSpecificationUpdate documents can be used for updating existing catalogue items.

The Catalogue document is the most comprehensive of the three documents. Items may be added, updated or deleted (as specified in the *ActionCode*) while the other documents can only update existing items.

As mentioned earlier, the Catalogue document can also update an entire catalogue line with prices as well as specifications, while the CataloguePricingUpdate can only update prices and quantities, and the CatalogueItemSpecificationUpdate can only update item specifications.


### 4.2.1 Updating with a Catalogue document

In the following example the Catalogue document is used to update the catalogue line.

```
</Catalogue>
      <cbc:UBLVersionID>2.0</cbc:UBLVersionID>
      <cbc:CustomizationID>OIOUBL-2.01</cbc:CustomizationID>
      <cbc:ProfileID schemeAgencyID"320" schemeID="urn:oioubl:id:profileid-1.1">Cataloque-CatAdv-
      1.0</cbc:ProfileID>
      <cbc:ID>45656787-CAT1</cbc:ID>
      <cbc:UUID>ijq983w475flkzhdfwo8475sdbflash0</cbc:UUID>
      <cbc:Name>Mobile phone</cbc:Name>
      <cbc:IssueDate>2006-09-01</cbc:IssueDate>
      <cbc:RevisionDate>2006-08-15</cbc:RevisionDate>
      <cbc:VersionID>1.1</cbc:VersionID>
      <cbc:PreviousVersionID>1.0</cbc: PreviousVersionID>
      <cac:ValidityPeriod>
            <cbc:StartDate>2006-08-01</cbc:StartDate>
            <cbc:EndDate>2007-07-31</cbc:EndDate>
      </cac:ValidityPeriod>
      <cac:ProviderParty/>
      <cac:ReceiverParty/>
      <cac:CatalogueLine>
            <cbc:ID>45656787-87067606</cbc:ID>
            <cbc:ActionCode listAgencyID"320" listID="urn:oioubl:codelist:catalogueactioncode-
            1.1">Update</cbc:ActionCode>
```

```
        <cbc:OrderableIndicator>true</cbc:OrderableIndicator>
        <cbc:OrderableUnit>EA</cbc:OrderableUnit>
        <cbc:ContentUnitQuantity unitCode="EA">1</cbc:ContentUnitQuantity>
        <cac:LineValidityPeriod>
                <cbc:StartDate>2006-09-01</cbc:StartDate>
                <cbc:EndDate>2007-07-31</cbc:EndDate>
        </cac:LineValidityPeriod>
        <cac:RequiredItemLocationQuantity>
                <cbc:LeadTimeMeasure unitCode="DAY">3</cbc:LeadTimeMeasure>
                <cac:Price>
                        <cbc:PriceAmount currencyID="DKK">849.00</cbc:PriceAmount>
                        <cbc:BaseQuantity unitCode="EA">1</cbc:BaseQuantity>
                        <cbc:OrderableUnitFactorRate>1</cbc:OrderableUnitFactorRate>
                </cac:Price>
                <cac:DeliveryUnit>
                        <cbc:BatchQuantity unitCode="EA">1</cbc:BatchQuantity>
                        <cbc:ConsumerUnitQuantity unitCode="EA">1</cbc:ConsumerUnitQuantity>
                        <cbc:HazardousRiskIndicator>false</cbc:HazardousRiskIndicator>
                </cac:DeliveryUnit>
                <cac:ApplicableTaxCategory>
                        <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:taxcategoryid-
                        1.1">StandadRated</cbc:ID>
                        <cbc:Percent>25</cbc:Percent>
                        <cac:TaxScheme>
                                <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:
                                taxschemeid-1.1">63<cbc:ID>
                                <cbc:Name>Moms<cbc: Name>
                        </cac:TaxScheme>
                </cac:ApplicableTaxCategory>
        </cac:RequiredItemLocationQuantity>
        <cac:Item>
                <cbc:Description>Nokia Mobile telephone - Type ABC</cbc:Description>
                <cbc:PackQuantity unitCode="EA">1</cbc:PackQuantity>
                <cbc:PackSizeNumeric>1</cbc:PackSizeNumeric>
                <cbc:Keyword>Mobile phone</cbc:Keyword>
                <cbc:Keyword>Cell phone</cbc:Keyword>
                <cbc:Name>Nokia ABC</cbc:Name>
                <cbc:BrandName>Nokia</cbc:BrandName>
                <cbc:ModelName>ABC</cbc:ModelName>
                <cac:SellersItemIdentification>
                        <cbc:ID>87067606</cbc:ID>
                </cac:SellersItemIdentification>
                <cac:CommodityClassification>
                        <cbc:ItemClassificationCode listName="UNSPSC" listVersionID="7.0401">
                                                43191501</cbc:ItemClassificationCode>

                </cac:CommodityClassification>
        </cac:Item>
    </cac:CatalogueLine>
</Catalogue>
```

**Figure 6: Example of updating a catalogue line with the Catalogue document**

The *ID* identifies that catalogue to be updated.

The *VersionID* and *PreviousVersionID* specify, respectively, the new version ("1.1" as this is a partial update) and the version that is to be updated (the existing version "1.0").

The *CatalogueLine/ID* identifies the item to be updated.

The *ActionCode* specifies that this is an update.


## 4.2.2 Updating with CataloguePricingUpdate

In the next example, the same price update is performed using a CataloguePricingUpdate document.

```
</CataloguePricingUpdate>
      <cbc:UBLVersionID>2.0</cbc:UBLVersionID>
      <cbc:CustomizationID>OIOUBL-2.01</cbc:CustomizationID>
      <cbc:ProfileID schemeAgencyID"320" schemeID="urn:oioubl:id:profileid-1.1">Cataloque-CatAdv-
      1.0</cbc:ProfileID>
      <cbc:ID>45656787-UPDATECAT1</cbc:ID>
      <cbc:UUID>ijq983w475flkzhdfwo8475sdbflash0</cbc:UUID>
      <cbc:Name>Mobile phone</cbc:Name>
      <cbc:IssueDate>2006-09-01</cbc:IssueDate>
      <cbc:RevisionDate>2006-08-15</cbc:RevisionDate>
      <cbc:VersionID>1.1</cbc:VersionID>
      <cac:ValidityPeriod>
            <cbc:StartDate>2006-08-01</cbc:StartDate>
            <cbc:EndDate>2007-07-31</cbc:EndDate>
      </cac:ValidityPeriod>
      <cbc:RelatedCatalogueReference>
            <cbc:ID>45656787-CAT1</cbc:ID
      </cbc:RelatedCatalogueReference>
      <cac:ProviderParty/>
      <cac:ReceiverParty/>
      <cac:CataloguePricingUpdateLine>
            <cbc:ID>45656787-87067606</cbc:ID>
            <cac:RequiredItemLocationQuantity>
                  <cbc:LeadTimeMeasure unitCode="DAY">3</cbc:LeadTimeMeasure>
                  <cac:Price>
                        <cbc:PriceAmount currencyID="DKK">849.00</cbc:PriceAmount>
                        <cbc:BaseQuantity unitCode="EA">1</cbc:BaseQuantity>
                        <cbc:OrderableUnitFactorRate>1</cbc:OrderableUnitFactorRate>
                  </cac:Price>
                  <cac:DeliveryUnit>
                        <cbc:BatchQuantity unitCode="EA">1</cbc:BatchQuantity>
                        <cbc:ConsumerUnitQuantity unitCode="EA">1</cbc:ConsumerUnitQuantity>
                        <cbc:HazardousRiskIndicator>false</cbc:HazardousRiskIndicator>
                  </cac:DeliveryUnit>
                  <cac:ApplicableTaxCategory>
                        <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:taxcategoryid-
                        1.1">StandadRated</cbc:ID>
                        <cbc:Percent>25</cbc:Percent>
                        <cac:TaxScheme>
                              <cbc:ID schemeAgencyID="320" schemeID="urn:oioubl:id:
                              taxschemeid-1.1">63<cbc:ID>
                              <cbc:Name>Moms<cbc: Name>
                        </cac:TaxScheme>
                  </cac:ApplicableTaxCategory>
            </cac:RequiredItemLocationQuantity>
      </cac:CataloguePricingUpdateLine>
</CataloguePricingUpdate>
```

**Figure 7: Example of updating a catalogue line with the CataloguePricingUpdate document**

The CataloguePricingUpdate document gets its own unique identifier (*ID*) and the Catalogue being updated is specified using the *RelatedCatalogueReference/ID*.

The item being updated is identified under *CataloguePricingUpdateLine/ID*.

As this document is only used for updating existing items, there is no *ActionCode* required.

## 4.2.3 Updating with CatalogueItemSpecificationUpdate

Figure 8 is an example of how the an item's speciication details can be updated  using the CatalogueItemSpecificationUpdate document.

```
</CatalogueItemSpecificationUpdate>
      <cbc:UBLVersionID>2.0</cbc:UBLVersionID>
      <cbc:CustomizationID>OIOUBL-2.01</cbc:CustomizationID>
      <cbc:ProfileID schemeAgencyID"320" schemeID="urn:oioubl:id:profileid-1.1">Cataloque-CatAdv-
1.0</cbc:ProfileID>
      <cbc:ID>45656787-UPDATECAT1</cbc:ID>
      <cbc:UUID>ijq983w475flkzhdfwo8475sdbflash0</cbc:UUID>
      <cbc:Name>Mobile phone</cbc:Name>
      <cbc:IssueDate>2006-09-01</cbc:IssueDate>
      <cbc:RevisionDate>2006-08-15</cbc:RevisionDate>
      <cbc:VersionID>1.1</cbc:VersionID>
      <cac:ValidityPeriod>
            <cbc:StartDate>2006-08-01</cbc:StartDate>
            <cbc:EndDate>2007-07-31</cbc:EndDate>
      </cac:ValidityPeriod>
      <cbc:RelatedCatalogueReference>
            <cbc:ID>45656787-CAT1</cbc:ID
      </cbc:RelatedCatalogueReference>
      <cac:ProviderParty/>
      <cac:ReceiverParty/>
      <cac:CatalogueItemSpecificationUpdateLine>
            <cbc:ID>45656787-87067606</cbc:ID>
            <cac:Item>
                  <cbc:Description>Nokia Mobile telephone – Type ABC</cbc:Description>
                  <cbc:PackQuantity unitCode=”EA”>1</cbc:PackQuantity>
                  <cbc:PackSizeNumeric>1</cbc:PackSizeNumeric>
                  <cbc:Keyword>Mobile phone</cbc:Keyword>
                  <cbc:Keyword>Cell phone</cbc:Keyword>
                  <cbc:Name>Nokia ABC</cbc:Name>
                  <cbc:BrandName>Nokia</cbc:BrandName>
                  <cbc:ModelName>ABC</cbc:ModelName>
                  <cac:SellersItemIdentification>
                        <cbc:ID>87067606</cbc:ID>
                  </cac:SellersItemIdentification>
                  <cac:CommodityClassification>
                        <cbc:ItemClassificationCode listName="UNSPSC" listVersionID="7.0401">
                                          43191501</cbc:ItemClassificationCode>
                  </cac:CommodityClassification>
            </cac:Item>
      </cac:CatalogueItemSpecificationUpdateLine>
</CatalogueItemSpecificationUpdate>
```

**Figure 8: Example of updating a catalogue line with the CatalogueItemSpecificationUpdate document**

The principle for entering document information is identical to the CataloguePricingUpdate document. An *ID* is specified for the document, and under *RelatedCatalogueReference/ID* reference is made to the catalogue to be updated.

The item to be updated is identified by the *CatalogueItemSpecificationUpdateLine/ID*.

The desired updates are defined in the Item class.

## 4.3  Specifying a Validity Period

As mentioned earlier, when using a *ValidityPeriod* the *StartDate* must define from which date a specific catalogue or product is valid, and therefore available for purchasing.

An *EndDate* may also be specified. If no end date is specified, the information is valid indefinitely or until explicitly deleted by the Catalogue Provider.

To refine these dates, times may be entered in *StartTime* and *EndTime* as shown in the following example.

```
<cac:ValidityPeriod>
      <cbc:StartDate>2006-08-01</cbc:StartDate>
      <cbc:StartTime>12:00:00</cbc:StartTime>
      <cbc:EndDate>2007-08-01</cbc:EndDate>
      <cbc:EndTime>12:00:00</cbc:EndTime>
      <cbc:Description>Gyldighedsperioden er et år</cbc:Description>
</cac:ValidityPeriod>
```

**Figure 9: Example of a Validity Period**

# 5. Relevant code lists

| Code list: | Agency: | Urn: | Example value: |
|---|---|---|---|
| ProfileID | 320 | urn:oioubl:id:profileid-1.1 | Cataloque-CatAdv-1.0 |
| EndpointID | 320 | urn:oioubl:scheme:endpointid-1.1 | GLN |
| PartyIdentification/ID | 320 | urn:oioubl:scheme:partyidentificationid-1.1 | DK:CVR |
| CurrencyCode | 6 | ISO 4217 Alpha | DKK, EUR |
| UnitOfMeasureCode | 6 | UN/ECE rec 20 | PK, EA |
| PriceTypeCode | 6 | UN/ECE 5387 | CAT |
| CatalogueActionCode | 320 | urn:oioubl:codelist:catalogueactioncode-1.1 | Add, Delete, Update |
| TaxCategoryID | 320 | urn:oioubl:id:taxcategoryid-1.1 | StandardRated |
| TaxSchemeID | 320 | urn:oioubl:id:taxschemeid-1.1 | 63 |
| TaxTypeCode | 320 | urn:oioubl:codelist:taxtypecode-1.1 | StandardRated |

# 6. Terms and abbreviations

Listed below are the most important terms and abbreviations:

| Term: | Explanation: |
|---|---|
| Document level | Elements at document level are found directly under the root element (the top element) in the XML structure. elements at the document level apply to the whole document. |
| Line level | Elements at line level, unlike elements at the document level, only apply to a specific transaction line |
| Class | A class is a collection of elements. For example, the Price class contains elements such as PriceAmount, BaseQuantity, etc. |
| Element | An element is an information entity in an XML structure. For example, the PriceAmount is the element containing the price in an invoice line. |
| Attributes | In an XML element, it is possible to specify a property as an attribute, e. g. the attribute unitCode in which the unit for a quantity may be specified, as in the example: <cbc:BaseQuantity unitCode="BO">1</cbc:BaseQuantity> Attributterne benyttes også til at angive kodelister f.eks. listID="urn:oioubl:codelist:addressformatcode-1.0" |