

SPECIFICATION

cXML

Shopping Basket
Version 2.1.1

cXML, Proceedo

cXML Implementation

Dokument ID
Shopping Basket
Version
2.1.0

Datum
2022-04-06
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REVISION HISTORY

REVISION	DATE	Change
2.0.0	2004-10-15	<ul style="list-style-type: none">• Created
2.1.0	2006-11-10	<ul style="list-style-type: none">• Updated Example Shopping Basket and clarified parameter definitions
2.1.1	2006-11-14	<ul style="list-style-type: none">• Added ShortName as required field
2.1.2	2011-03-03	<ul style="list-style-type: none">• Changed SupplierID to optional field

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MESSAGE ENVELOPE

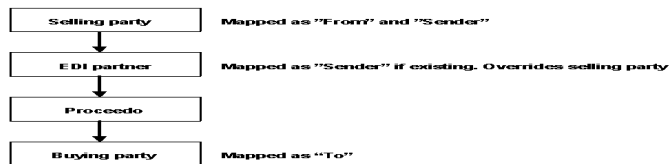
COMMUNICATING PARTIES

Message transfer are between a sending party, could be the market place or a third party EDI-partner.

The parties shall be identified by EAN. VATNO (tax registration number).

The transfer is marked with a unique reference for the sending party. This reference will be used by Proceedo to acknowledge the transfer if application acknowledgement is being used.

The transfer is also marked with a timestamp from when the message was transferred.



MESSAGE DESCRIPTION

USE OF SHOPPING BASKET

The scope for this message is to transfer a shopping basket from marketplace to purchasing system. Shopping basket can contain items for several suppliers. Supplier are identified by PROSUPPLIERID and PROSUPPLIERNAME.

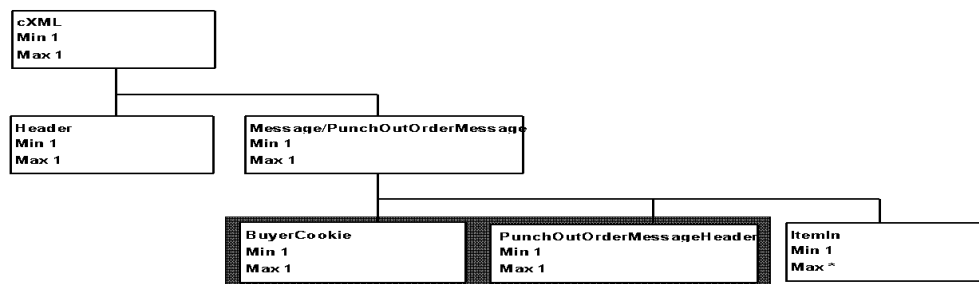
All amounts are specified with as many decimals as the currency uses.
 All amounts are specified in the format 999999999.99 (dot as decimal separator, no other separators)

MESSAGE STRUCTURE

Each square represents a significant element in cXML represented by an element name (example ItemIn) and minimum and maximum number of repetitions.

Min The least number of occurrences (0 – optional)

Max maximum number of repetitions. * means unlimited



Validation and Encoding

Please ensure that the encoding i.e. text table is UTF-8 and that XML has reference to the cXML data type definition file (DTD). Current DTD has a URL location at <http://xml.cXML.org/schemas/cXML/1.2.012/cXML.dtd>. Observe that this specification does not use all tags provided in the DTD and in the general cXML specification given at www.cxml.org. Some tags and attributes in this specification is only required for validation against the DTD.

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PROCEEDO

The cXML file must start with

```
<?xml version="1.0" encoding="UTF-8"?>  
<!DOCTYPE cXML SYSTEM "http://xml.cXML.org/schemas/cXML/1.2.012/cXML.dtd ">
```

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Main Document properties

Attributes that yield for the whole cXML document or must be consistent throughout the document.

<i>/cXML</i>	<i>Document properties</i>
COMMON.DEPMOD @deploymentMode	R Deployment mode, production or test
COMMON.ISOLAN /@xml:lang	R Language code ISO 639-1
COMMON.DOCVER /@version	R Document format version

Header – Transport header

<i>/cXML</i>		1..1	Transport identificartion
TRANSP.PAYLOA	/@payloadID	R	ID for this specific message transfer
TRANSP.TIMEST	/@timestamp	R	Date/time when message was sent
<i>/cXML/Header/Sender</i>		1..1	Sender identification
TRANSP.SNDRID	/Credential[@domain='VATNO']/Identity	R	Sender identifier. Sender can be a third party message router.
	/Credential/@domain	R	Qualifier for sender identifier [VATNO]
TRANSP.SNDRNM	/Credential[@domain='NAME']/Identity	O	Sender name
	/UserAgent	R	Empty tag
<i>/cXML/Header/To</i>		1..1	Receiver identification
TRANSP.RECVID	/Credential[@domain='VATNO']/Identity	R	Receiver identifier
	/Credential/@domain	R	Qualifier for receiver identifier [VATNO]
TRANSP.RECVNM	/Credential[@domain='NAME']/Identity	O	Receiver Name
<i>/cXML/Header/From</i>		1..1	Selling party identification
	/Credential[@domain='PROSUPPLIERNAME']/Identity	R	Supplied from login. Alphanumeric
	/Credential[@domain='PROSUPPLIERID']/Identity	R	Supplied from login. Numeric.

```
<cXML version="2.0" payloadID="123344-2001" timestamp="2002-02-04T18:12:22+01:00" xml:lang="sv">
  <Header>
    <From>
      <Credential domain="PROSUPPLIERNAME">
        <Identity>Demo Supplier</Identity>
      </Credential>
      <Credential domain="PROSUPPLIERID">
        <Identity>1234</Identity>
      </Credential>
    </From>
    <To>
      <!-- //To = #BuyerID -->
      <Credential domain="VATNO">
        <Identity>SE556599504901</Identity>
      </Credential>
      <!-- Name is used for follow-up and error management -->
      <Credential domain="NAME">
        <Identity>Proceedo Solutions AB</Identity>
      </Credential>
    </To>
    <Sender>
      <!-- //Sender = #SupplierID -->
      <Credential domain="VATNO">
        <Identity>SE012345678901</Identity>
      </Credential>
      <UserAgent/>
    </Sender>
  </Header>
</cXML>
```

PunchOutOrderMessage – Shopping basket message

	<i>/PunchOutOrderMessage</i>	1..1	Shopping basket basic information
	/BuyerCookie	R	Reference to BuyerCookie supplied at login
COMMON.OPERAT	/PunchOutOrderMessageHeader/@operationAllowed	R	Type of operation. Fixed value "create"
	/PunchOutOrderMessageHeader/Total/Money	N	Proceedo adds calculated summary based on Customers currency. Currency type has to be specified
	/PunchOutOrderMessageHeader/Tax/Money	N	Currency type has to be specified
	/PunchOutOrderMessageHeader/Tax/Description/@xml:lang	R	

```

<PunchOutOrderMessage>
  <!-- //PunchOutOrderMessage/BuyerCookie = #BuyerCookie (value from parameter buyercookie enclosed at login) -->
  <BuyerCookie>proceedo.anders.jansson@sas.se</BuyerCookie>
  <PunchOutOrderMessageHeader operationAllowed="create">
    <!-- //PunchOutOrderMessageHeader/Total/Money = #TotalAmount
    //PunchOutOrderMessageHeader/Total/Money@currency = #TotalCurrency -->
    <Total>
      <Money currency="SEK">450.00</Money>
    </Total>
    <!-- //PunchOutOrderMessageHeader/Tax/Money = #TotalVAT
    //PunchOutOrderMessageHeader/Tax/Money@currency = #TotalCurrency
    //PunchOutOrderMessageHeader/Tax/Description = 'VAT' -->
    <Tax>
      <Money currency="SEK">112.50</Money>
      <Description xml:lang="SV">VAT</Description>
    </Tax>
  </PunchOutOrderMessageHeader>
  ...
  
```

ItemIn – Shopping basket line

<i>/ItemIn</i>		1..*	Shopping basket line
	/SupplierID	O	Supplier identifier. VATNO
	/@lineNumber	R	Shopping basket line number
	/@quantity	R	Ordered quantity
	/ItemDetail/UnitOfMeasure	R	Unit of measure.
	/ItemDetail/UnitPrice/Money	R	Unitprice. This is price per 1 unit of measure.
	/ItemID/SupplierPartID	R	Vendor item number
	/ItemID/SupplierPartAuxiliaryID	D	Field use only in case of user input from e.g. dynamic products. Information in this field is predetermined by the supplier or mutually agreed in setup of order integration. Special strings from punch-out solutions are stored in this field.
	/ItemDetail/Description	R	Item description
	/ItemDetail/Description/ShortName	R	Name of product
	/ItemDetail/Classification[@domain="UNSPSC"]	O	UNSPSC classification of item
	/ItemDetail/Extrinsic[@name=COMMENTS]	O	Comments for the supplier.
	/Tax/Money	O	Total tax amount
<i>/ ItemIn/Tax</i>		0..1	Line tax
TAXDET.TAXAMT	/Tax/TaxDetail/TaxAmount/Money, /Tax/Money	R	Tax Amount. Mapped to both Tax and TaxDetail
	/Tax/TaxDetail/Description/@xml:lang	R	Note! Description/@xml:lang is mandatory for validation against DTD. The tag Tax/Description/ is also mandatory for validation. Please add blank tag as above example
TAXDET.TAXRTE	/Tax/TaxDetail/@percentageRate	R	Tax Rate (only one tax detail per line)
TAXDET.TAXCAT	/Tax/TaxDetail/@category	R	Tax category, VAT

```

<!-- Line segment starts -->
<!-- //ItemIn@quantity = #Quantity -->
<ItemIn quantity="100">
  <ItemID>
    <!-- /ItemIn/ItemID/SupplierPartID = #SupplierImteID -->
    <SupplierPartID>11111</SupplierPartID>
    <!-- //ItemIn/ItemID/SupplierPartAuxiliaryID = #AdditionalItemIDInfo-->
    <SupplierPartAuxiliaryID>REF1234567890</SupplierPartAuxiliaryID>
  </ItemID>
  <ItemDetail>
    <!-- //ItemIn/ItemDetail/Unitprice/Money = #Unitprice. Please note this is price for proceedo ONE unit
    //ItemIn/ItemDetail/Unitprice/Money@currency = #ItemCurrency must be same as #TotalCurrency -->
    <UnitPrice>
      <Money currency="SEK">1.5</Money>
    </UnitPrice>
    <!-- //ItemIn/ItemDetail/Description = #AdditionalItemIDInfo -->
  
```

```
<Description xml:lang="SV">REF1234567890
  <!-- //ItemIn/ItemDetail/Description/ShortName = #ItemDescription -->
  <ShortName>VisitKort för Namn Namnsson</ShortName>
</Description>
<!-- //ItemIn/ItemDetail/UnitsOfMeasure = #UnitOfMeasure -->
<UnitOfMeasure>ST</UnitOfMeasure>
<Classification domain="UNSPSC"/>
</ItemDetail>
<!-- //ItemIn/ItemDetail/Tax/Money = #VAT (Currency must be same on whole doument -->
<Tax>
  <Money currency="SEK">37.5</Money>
  <Description xml:lang="SV"/>
  <!-- //ItemIn/ItemDetail/Tax/TaxDetail@percentageRate = #VAT_Rate -->
  <TaxDetail category="VAT" percentageRate="25">
    <TaxAmount>
      <Money currency="SEK">37.5</Money>
    </TaxAmount>
  </TaxDetail>
</Tax>
</ItemIn>
```

Note! Description/@xml:lang is mandatory for validation against DTD. The tag Tax/Description/ is also mandatory for validation. Please add blank tag as above example

Example Shopping Basket

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE cXML SYSTEM "http://xml.cXML.org/schemas/cXML/1.2.007/cXML.dtd">
<!--Proceedo Solutions PunchOut sample 1.0 using cXML-->
<cXML payloadID="1043685120614" timestamp="2003-01-27T17:32:00+01:00" xml:lang="SV">
  <!--payloadID: Used for communication as message ID. -->
  <Header>
    <!-- //From = #PROSUPPLIERNAME, #PROSUPPLIERID (values from parameters prosuppliername and prosupplierid enclosed at login) -->
    <From>
      <Credential domain="PROSUPPLIERNAME">
        <Identity>Nassjotryckerier - demo - SAS</Identity>
      </Credential>
      <Credential domain="PROSUPPLIERID">
        <Identity>1264</Identity>
      </Credential>
    </From>
    <To>
      <!-- //To = #BuyerID -->
      <Credential domain="VATNO">
        <Identity>SE556599504901</Identity>
      </Credential>
      <!-- Name is used for follow-up and error management -->
      <Credential domain="NAME">
        <Identity>Proceedo Solutions AB</Identity>
      </Credential>
    </To>
    <Sender>
      <!-- //Sender = #SupplierID -->
      <Credential domain="VATNO">
        <Identity>SE012345678901</Identity>
      </Credential>
      <UserAgent/>
    </Sender>
  </Header>
  <Message>
    <PunchOutOrderMessage>
      <!-- //PunchOutOrderMessage/BuyerCookie = #BuyerCookie (value from parameter buyercookie enclosed at login) -->
      <BuyerCookie>proceedo.anders.jansson@sas.se</BuyerCookie>
      <PunchOutOrderMessageHeader operationAllowed="create">
        <!-- //PunchOutOrderMessageHeader/Total/Money = #TotalAmount
        //PunchOutOrderMessageHeader/Total/Money@currency = #TotalCurrency -->
        <Total>
          <Money currency="SEK">450.00</Money>
        </Total>
        <!-- //PunchOutOrderMessageHeader/Tax/Money = #TotalVAT
        //PunchOutOrderMessageHeader/Tax/Money@currency = #TotalCurrency
        //PunchOutOrderMessageHeader/Tax/Description = 'VAT' -->
        <Tax>
          <Money currency="SEK">112.50</Money>
          <Description xml:lang="SV">VAT</Description>
        </Tax>
      </PunchOutOrderMessageHeader>
      <!-- Line segment starts -->
      <!-- //ItemIn@quantity = #Quantity -->
      <ItemIn quantity="100">
        <ItemID>
          <!-- //ItemIn/ItemID/SupplierPartID = #SupplierItemID -->
          <SupplierPartID>11111</SupplierPartID>
          <!-- //ItemIn/ItemID/SupplierPartAuxiliaryID = #AdditionalItemIDInfo-->
          <SupplierPartAuxiliaryID>REF1234567890</SupplierPartAuxiliaryID>
        </ItemID>
        <ItemDetail>
          <!-- //ItemIn/ItemDetail/Unitprice/Money = #Unitprice. Please note this is price for proceedo ONE unit
```

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PROCEEDO

```
    //ItemIn/ItemDetail/Unitprice/Money@currency = #ItemCurrency must be same as #TotalCurrency -->
    <UnitPrice>
      <Money currency="SEK">1.5</Money>
    </UnitPrice>
    <!-- //ItemIn/ItemDetail/Description = #AdditionalItemIDInfo -->
    <Description xml:lang="SV">REF1234567890
      <!-- //ItemIn/ItemDetail/Description/ShortName = #ItemDescription -->
      <ShortName>VisitKort för Namn Namnsson</ShortName>
    </Description>
    <!-- //ItemIn/ItemDetail/UnitsOfMeasure = #UnitOfMeasure -->
    <UnitOfMeasure>ST</UnitOfMeasure>
    <Classification domain="UNSPSC"/>
  </ItemDetail>
  <!-- //ItemIn/ItemDetail/Tax/Money = #VAT (Currency must be same on whole doument -->
  <Tax>
    <Money currency="SEK">37.5</Money>
    <Description xml:lang="SV">VAT</Description>
    <!-- //ItemIn/ItemDetail/Tax/TaxDetail@percentageRate = #VAT_Rate -->
    <TaxDetail category="VAT" percentageRate="25">
      <TaxAmount>
        <Money currency="SEK">37.5</Money>
      </TaxAmount>
    </TaxDetail>
  </Tax>
</ItemIn>
<ItemIn quantity="200">
  <ItemID>
    <SupplierPartID>1234ER</SupplierPartID>
  </ItemID>
  <ItemDetail>
    <UnitPrice>
      <Money currency="SEK">1.5</Money>
    </UnitPrice>
    <Description xml:lang="SV">Visitkortshållare</Description>
    <UnitOfMeasure>ST</UnitOfMeasure>
    <Classification domain="UNSPSC"/>
  </ItemDetail>
  <Tax>
    <Money currency="SEK">75.0</Money>
    <Description xml:lang="SV">VAT</Description>
    <TaxDetail category="VAT" percentageRate="25">
      <TaxAmount>
        <Money currency="SEK">75.0</Money>
      </TaxAmount>
    </TaxDetail>
  </Tax>
</ItemIn>
  <!-- Line sgement ends -->
</PunchOutOrderMessage>
</Message>
</cXML>
```