

... connecting the Automotive Aftermarket



# DespatchAdvice

## Description of Content and Structure

Version 2.2

The greatest care was taken in compiling the texts and figures. Nevertheless it is impossible to completely avoid all mistakes in this user manual.

The publishers and authors are grateful for any information on errors.

The companies, other names, and data used in the examples are completely fictitious.

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# 1 Document management

## 1.1 Purpose and objectives

To complete the process chain between buyers and seller in TecCom without drawing upon EDI systems at the buyers and sellers, transaction documents such as order confirmations, despatch advices and invoices should be transferred without EDI systems from the seller to the buyer so that they can be processed further there.

This document describes the structure and content of despatch advices (hereinafter referred to as DespatchAdvice). It also contains recommendations for the rules according to which the content can be generated on the seller side and be interpreted on the buyer side.

## 1.2 Overview of Changes

Despatch Advice 2.0 supports the following content

- Transport details
- Weight and volume of the delivery
- Customer's material number

## 2 TXML and DTDs

### 2.1 Definition of TXML

The TXML documents for transaction contents described by content are defined by means of DTDs. The following transformation rules were applied in defining the TXML formats:

- 1 Qualifiers from the EDI area are described by attributes if their possible values originate from a limited value list that need to be interpreted in TecCom (e.g. for display purposes). This makes it possible to define permissible values in the DTD. For example, the qualifier for the date is defined via the following attributes: Before, At, After. The value list is maintained by TecCom.
- 2 Qualifiers that are merely displayed (currencies, country codes, EDI identifiers for reason of variance and reason for modification, price types etc.) are represented as elements. This makes the transaction documents open to potential extensions and to bilaterally defined identifiers in these value lists.
- 3 Universal elements (such as Date, Address, Quantity) are embedded in elements that define the respective semantics. To avoid redundancies, such elements are defined without qualifying type elements.<sup>1</sup>.
- 4 Elements with the same structure (such as SellerPartyNumber, BuyerPartyNumber etc.) are represented by different element names so that they can be distinguished in the element structure definition of the DTD.

The following table describes qualifiers from the EDI area that are described in TXML via attributes with enumeration types. Defaults are underscored.

Element	Attribute	Values	Meaning
<b>Date</b>	<b>Qualifier</b>	<u>At</u>	Exactly on
		Before	At the latest
		After	At the earliest
<b>Date</b>	<b>Format</b>	<u>YYYYMMDD</u>	Current date
		YYYYMMDDHHMM	Current date and time

---

<sup>1</sup> The Date element should therefore not include any qualifier element that shows the date as the delivery date. Semantic assignment takes place in higher-level elements.

## 2.2 DTDs

Each transaction document is described by a DTD that bears the name of the respective transaction document (for example *ordrsp.dtd*).<sup>2</sup> To make sure elements and attributes that occur in several transaction documents do not have to be defined multiple times (risk of inconsistency), the common subset is combined in a DTD named *txml\_common.dtd*. To make sure the core elements of a DTD can be reused (for example for the archiving DTD), it is necessary to use disjoint DTDs as base descriptions. The base DTDs are located in a DTD with the prefix *txml\_*. The following table describes the current structure of the DTDs:

DTD	Contains as base DTD:
ordrsp.dtd	txml_common.dtd txml_ordrsp.dtd
desadv.dtd	txml_common.dtd txml_desadv.dtd
notif.dtd	txml_common.dtd txml_notif.dtd
archive.dtd	txml_common.dtd txml_notif.dtd txml_desadv.dtd txml_ordrsp.dtd

The structure of TXML documents is described technically via **document type definitions (DTDs)**. DTD descriptions have a defined XML syntax which makes it possible to automatically check the validity of an XML document on the basis of the DTD. DTD descriptions, however, are not easy for people to read because the core content recedes behind the syntactic details.

This chapter therefore uses a notation that is based on DTDs to describe the **content structure** of the transaction documents. Initially, XML elements and XML attributes are not differentiated.

The description of the content structure focuses on the following issues instead:

- What content elements occur in a transaction document?
- What are the hierarchical relationships between content elements in a transaction document like?
- How often are individual content elements allowed to occur?

The exact DTDs are listed in the annex. These DTDs are an implementation of the described content structure in TXML format. The underlying principles of this are described in the chapter entitled “*Definition of TXML*”.

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<sup>2</sup> As explained later, the name should also contain the version.

The **notation to describe the content structure** of the transaction documents uses the following symbols:

<b>IE</b>	<b>IE_1</b> <b>IE_2</b> <b>IE_3</b>
<b>IE_1</b>	<b>IE_11</b> <b>IE_12</b>
<b>IE_2</b>	<b>IE_21</b>   <b>IE_22</b>

Explanation:

The *content element* IE consists of the elements IE\_1, IE\_2 and IE\_3. The content element IE\_2 has alternative structures. It consists either of IE\_21 or of IE\_22.

IE\_3, IE\_11, IE\_12, IE\_21 and IE\_22 are atomic elements, i.e. they do not have an internal structure. *Atomic elements* are shown in regular font whereas *compound elements* are shown in bold font. Atomic elements with a specified *permissible value set* are underscored (here: IE\_12).

The **frequency** with which a content element must occur is described as follows:

<b>IE</b>	The element must occur precisely once.
<b>IE?</b>	The element can be omitted.
<b>IE*</b>	The element can be omitted or repeated as often as required.
<b>IE+</b>	The element must occur at least once, and can be repeated as often as required.

## 3 DespatchAdvice

### 3.1 General DespatchAdvice business practice

A DespatchAdvice is sent by the seller to the buyer to notify delivery of goods, and can contain the following:

- The detailed content of a shipment
- Confirmation of deliverable items stating the quantity that can be delivered and the delivery date
- Changes to an order
- A statement that the order has not been accepted in part or in full.

The seller generates the document number of the DespatchAdvice. Several DespatchAdvises can be received for an order, and a DespatchAdvice can relate to multiple orders. The DespatchAdvice uses the buyer's and/or supplier's order identifier to reference the orders in question.

On the buyer's side, DespatchAdvises form the basis for checking goods received with respect to quality, quantity and price. DespatchAdvises are also intended to help recipients find ordered products in packages.

The following figure describes the rough structure of a DespatchAdvice:

- A DespatchAdvice consists of one header (*DesAdvHeader*) and one or more packages (*Package*).
- Packages can be described recursively, i.e. packages can in turn contain other packages.
- Packages can contain one or more package items (*PkgItem*).
- The type and version of the document are described by the content element *Document*.

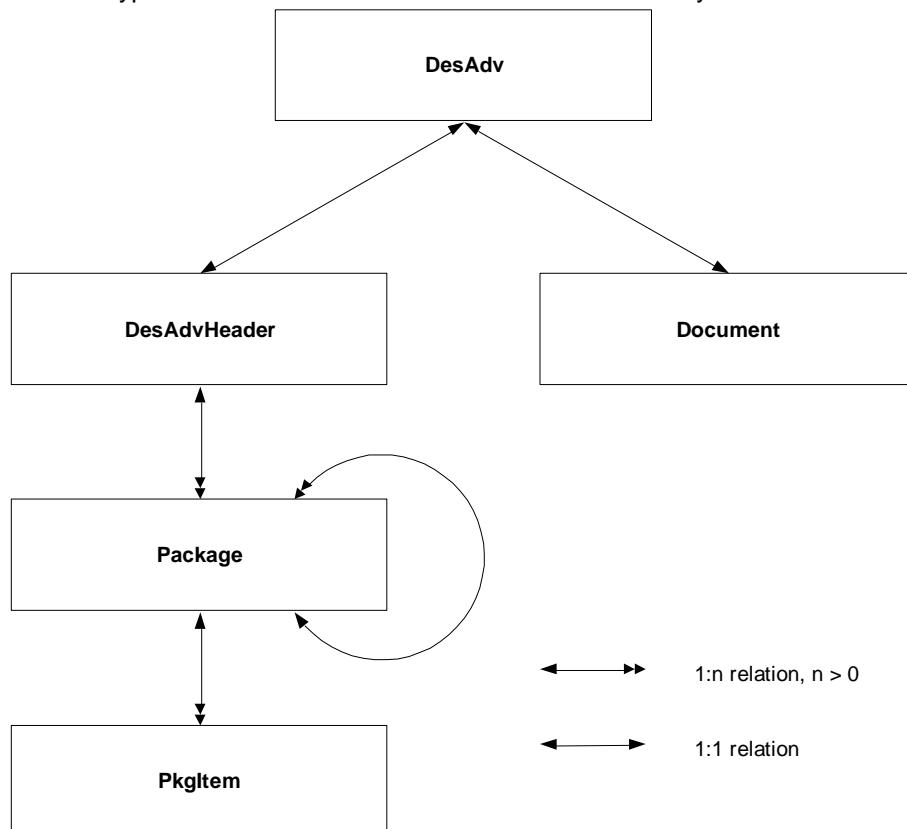


Figure 1: Rough structure of a DespatchAdvice

## 3.2 DespatchAdvice structure in terms of content

The rough structure of a DespatchAdvice is refined in the following table. The fine structure is characterized as follows:

- The unique document number is set in the element *DesAdvId* in *DesAdvHeader*.
- Every DespatchAdvice relates to exactly one delivery date. *DeliveryDate* is part of *DesAdvHeader*.
- The header of the DespatchAdvice can contain references to several orders. The reference is set in the element *OrderRef*.
- The associated order item is referenced both in the seller's and in the buyer's systematics.
- Information pertaining to the Type and Method of Transport for each delivery can be shown in the Despatch Advice header. Code based content which are presented are described in Code lists. TecCom maintains the Code lists.
- Packages can be represented recursively (e.g. a product in a box on a pallet), i.e. packages can contain other packages.
- Packages can contain package items. A package cannot, however, contain other packages and package items at the same time.
- If several packages with identical content are delivered, it is sufficient to describe one package and specify the number of packages delivered (*PacketCount*). In this case, it is possible to set a list of identifiers (*PkgId*) for the packages because the packages only differ through this identifier.
- The first Package must have *PkgNumber*=1, in which the total weight (gross and net) is displayed. The net weight relates to the weight of the packages contained within the current package. The gross weight is the sum of the net weight of the packages plus the weight of the current package.
- If the field *ProductNumber* in the element *ProductId* is filled, then the field *ProductDescription* contains the supplier's article description.
- A reference to the associated order item can be made in every package item. To do this, it is necessary to state the order (*OrderRef*) and item (*OrderItemRef*). Both references can be made in the seller's and buyer's systematics.

Total document		
<b>DesAdv</b>	Document DesAdvHeader Package+	Type and format control Header Packages
Document format		
<b>Document</b>	<u>Document Type</u>  Document Version	Document name ( <i>Notif</i> , <i>DesAdv</i> , <i>OrdRsp</i> , <i>Invoice</i> or <i>Archive</i> )  Document version
Document header		
<b>DesAdvHeader</b>	DesAdvId DesAdvIssueDate DeliveryDate <b>TransportDetails</b> <b>OrderRef+</b> <b>SellerParty</b> <b>BuyerParty</b> <b>DeliveryParty?</b> <b>InvoiceParty?</b> <b>FreeText*</b>	Document number (primary key) Date of issue Delivery date Transport details Reference to orders Seller Buyer Goods recipient Invoice recipient Free text
DesAdvIssueDate	Date	Date of issue
DeliveryDate	Date	Delivery date
TransportDetails	TransportMode	Mode of transport, Code list 1
	TransportTypeMeansCode?	Mode of transport, coded, Code list 2
	TransportTypeMeansFree?	Mode of transport, Text
	CarrierIdentificationILN?	Carrier Identification ILN
Package		
<b>Package</b>	<b>PkgNumber</b> <b>PkgInfo?</b> <b>PkgId*</b> <b>PkgRef?</b>  <b>Measurements</b> <b>FreeText*</b> <b>( Package   PkgItem )*</b>	Consecutive package number Information on the package Package identifier(s) Reference information  Weight and measurements Free text Packages / package items received
<b>PkgInfo</b>	PacketCount PacketKind PacketKindFreeText?	Number of packages Type of package Description of package
<b>PkgId</b>	PkgIdentSystem PkgIdentNumberQualifier PkgIdentNumber	Identification systematics used <sup>3</sup> Type of identifier (e.g. BN for Serial Number) Identifier
<b>PkgRef</b>	PkgRefQualifier PkgRefNumber	Reference identifier (e.g. packing list) Reference number as free text
Package item		
<b>PkgItem</b>	<b>PositionNumber</b> <b>DeliveredQuantity</b> <b>ProductId</b> <b>ProductDescription</b>	Item number Quantity that has been delivered Product identifier Product description of ProductId/ProductNumber

<sup>3</sup> Example: seller's own systematology, NVE, EAN/VPC

	<b>QtyVariance*</b> <b>OrderRef</b> <b>OrderItemRef</b> <b>FreeText*</b>	Quantity variance Reference to order Reference to order item Free text
<b>DeliveredQuantity</b>	Quantity	Quantity that has been delivered

The following content elements occur in Despatch Advises but are also used in other transaction documents so they are grouped in a table of their own:

Cross-area elements		
Date	Date <u>Date Qualifier?</u> <u>Date Format</u>	Date Date type Date format
Quantity	Quantity <u>Quantity UoM</u>	Quantity Unit of measure (ISO UN/ECE 20 code)
FreeText	FreeText FreeText Caption	General text Caption
<b>ProductId</b>	MakerCode ProductNumber Ean?  BuyerProductNumber?	Maker identifier Supplier's product number European Article Number (EAN)  Orderer's product number
<b>ProductDescription</b>	ProductName1 ProductName2?	Product name 1 Product name 2
<b>ProductPrice</b>	PriceCategory? Price DiscountGroup? <b>PriceUnit?</b>	Price type Amount Discount group Quantity reference
<b>PriceUnit</b>	Quantity	Quantity reference
<b>SellerParty</b>	PartyNumber <b>Address</b>	Buyer's seller identifier
<b>BuyerParty</b>	PartyNumber <b>Address</b>	Seller's buyer identifier
<b>DeliveryParty</b>	PartyNumber? <b>Address</b>	Goods recipient identifier
<b>InvoiceParty</b>	PartyNumber? <b>Address</b>	Invoice recipient identifier
<b>SenderParty</b>	PartyNumber? <b>Address</b>	Receiver's sender identifier Sender address
<b>ReceiverParty</b>	PartyNumber? <b>Address</b>	Sender's receiver address Receiver address
<b>Address</b>	Name1 Name2? Street1 Street2? PostalCode City CountryCode CountryName?	Name 1 Name 2 Street 1 Street 2 Postal code City Country code (2 characters acc. to ISO) Country name
<b>SenderUserName</b>		Name of sending person
<b>ReceiverUserName</b>		Name of receiving person

Cross-area elements		
<b>PositionNumber</b>		Item number
<b>OrderRef</b>	SellerOrderNumber BuyerOrderNumber? <b>Date</b>	Seller's order identifier Buyer's order identifier Order date
<b>OrderItemRef</b>	SellerOrderItemRef  BuyerOrderItemRef?	Reference to order item (seller's systematics)  Reference to order item (buyer's systematics)
<b>QtyVariance</b>	Quantity DeviationReason? ModificationReason? QtyVarComment?	Variance quantity Reason for variance Reason for modification Comment on quantity variance
<b>Measurements</b>	MeasurementUnit+	Measurement unit, value
	MeasurementUnitQualifier	Measurement unit, dimension, Code list 3
	UoM	Measurement unit, Code list 4

## Code list 1

### Mode of Transport

10 = Maritime

20 = Rail

30 = Road transport

40 = Air

## Code list 2

### Transport Means

25 = Rail express

31 = Truck

34 = Road parcel express (EAN Code)

52 = Mail express (EAN Code)

101 = Courier express (EAN Code)

## Code list 3

### Measurement details, dimensions

AAA = Unit net weight

AAB = Unit gross weight

AAF = Net net weight

AAW = Gross volume

AEB = Stacking height

ABJ = Volume  
HT = Height  
LN = Length  
WD = Width

## **Code list 4**

### **Measurement details, unit ( ISO UN/ECE 20 Code )**

CEL = Degree Celsius  
CMT = Centimetre  
EA = Each  
FAH = Degree fahrenheit  
GRM = Gram  
HUR = Hour  
INH = Inch (25,4 mm)  
KGM = Kilogram  
LTR = Litre (1 dm<sup>3</sup>)  
MIN = Minute  
MLT = Millilitre  
MMT = Millimetre  
MTK = Square metre  
MTQ = Cubic metre  
MTR = Metre  
NAR = Number of articles  
NRL = Number of rolls  
PCE = Piece  
TNE = Metric ton (1000 kg)

### 3.3 DespAdv\_2.0 document type definition

```
<!-- Include general definitions from txml.dtd -->
<!ENTITY % COMMON SYSTEM  "txml_common_2.0.dtd">
<!ENTITY % DESADV SYSTEM  "txml_desadv_2.0.dtd">
%COMMON;%DESADV;
```

#### 3.3.1 TXML\_DesAdv\_2.0 document type definition

```
<!--***** DesAdv ***** -->
<!--#USAGE: Generic root element containing all the data relating to a dispatch advice -->
<!ELEMENT DesAdv (Document, DesAdvHeader, Package+)>
<!--***** DesAdvHeader ***** -->
<!--#USAGE: Administrative and partner information -->
<!ELEMENT DesAdvHeader (DesAdvId, DesAdvIssueDate, DeliveryDate, TransportDetails?, OrderRef+, SellerParty, BuyerParty, DeliveryParty?, InvoiceParty?, FreeText*)>
<!--#USAGE: document id (primary key) -->
<!ELEMENT DesAdvId (#PCDATA)>
<!--#USAGE: Issue date of the document -->
<!ELEMENT DesAdvIssueDate (Date)>
<!--#USAGE: delivery date -->
<!ELEMENT DeliveryDate (Date)>
<!--***** TransportDetails ***** -->
<!ELEMENT TransportDetails (TransportMode, TransportTypeMeansCode?, TransportTypeMeansFree?, CarrierIdentificationILN?)>
```

```
<!ELEMENT TransportMode (#PCDATA)>
<!ELEMENT TransportTypeMeansCode (#PCDATA)>
<!ELEMENT TransportTypeMeansFree (#PCDATA)>
<!ELEMENT CarrierIdentificationILN (#PCDATA)>
<!--***** Package ***** -->
<!--#USAGE: package information -->
<!ELEMENT Package (PkgNumber, PkgInfo?, PkgId*, PkgRef?, Measurements?, FreeText*, (Package | PkgItem)*)>
<!--#USAGE: package number -->
<!ELEMENT PkgNumber (#PCDATA)>
<!--#USAGE: package info -->
<!ELEMENT PkgInfo (PacketCount, PacketKind, PacketKindFreeText?)>
<!--#USAGE: packet count -->
<!ELEMENT PacketCount (#PCDATA)>
<!--#USAGE: packet code list -->
<!ELEMENT PacketKind (#PCDATA)>
<!--#USAGE: packet description in free text -->
<!ELEMENT PacketKindFreeText (#PCDATA)>
<!--#USAGE: package id -->
<!ELEMENT PkgId (PkgIdentSystem, PkgIdentNumberQualifier, PkgIdentNumber)>
<!--#USAGE: package ident qualifier -->
<!ELEMENT PkgIdentSystem (#PCDATA)>
<!--#USAGE: package ident number qualifier -->
<!ELEMENT PkgIdentNumberQualifier (#PCDATA)>
<!--#USAGE: package ident number -->
<!ELEMENT PkgIdentNumber (#PCDATA)>
<!--#USAGE: package reference -->
```

```
<!ELEMENT PkgRef (PkgRefQualifier, PkgRefNumber)>
<!--#USAGE: package reference qualifier -->
<!ELEMENT PkgRefQualifier (#PCDATA)>
<!--#USAGE: package reference number -->
<!ELEMENT PkgRefNumber (#PCDATA)>
<!--***** PkgItem **** -->
<!--#USAGE: package item information -->
<!ELEMENT PkgItem (PositionNumber, DeliveredQuantity, ProductId, ProductDescription, QtyVariance*, OrderRef, Order-ItemRef, Measurements?, FreeText*)>
<!--#USAGE: Requested quantity -->
<!ELEMENT DeliveredQuantity (Quantity)>
```

### 3.3.2 TXML\_Common\_2.0 document type definition

```
<!--***** Document ***** -->
<!--#USAGE: type and version information of the document -->
<!ELEMENT Document EMPTY>
<!ATTLIST Document
  Type (Notif | DesAdv | OrdRsp | Invoice | OrdStatRequest | OrdStatReport | Archive) #REQUIRED
  Version CDATA #REQUIRED
>
<!--***** Date ***** -->
<!--#USAGE: date definition -->
<!ELEMENT Date (#PCDATA)>
<!ATTLIST Date
  Qualifier (At | Before | After) "At"
  Format (YYYYMMDD | YYYYMMDDHHMM) "YYYYMMDD"
>
<!--***** Quantity ***** -->
<!--#USAGE: quantity -->
<!-- A maximum of 11 digits is allowed to the left of the decimal point.
There must be 3 digits to the right of the decimal point. -->
<!ELEMENT Quantity (#PCDATA)>
<!--#USAGE:Unit of measure. Three byte ISO UN/ECE 20 code -->
<!ATTLIST Quantity
  UoM CDATA #REQUIRED
>
```

```
<!--***** FreeText **** -->
<!--#USAGE: additional information -->
<!ELEMENT FreeText (#PCDATA)>
<!ATTLIST FreeText
  Caption CDATA #REQUIRED
>
<!--***** ProductID **** -->
<!--#USAGE: product id -->
<!ELEMENT ProductId (MakerCode, ProductNumber, Ean?, BuyerProductNumber?)>
<!ELEMENT ProductNumber (#PCDATA)>
<!ELEMENT MakerCode (#PCDATA)>
<!ELEMENT Ean (#PCDATA)>
<!ELEMENT BuyerProductNumber (#PCDATA)>
<!--***** ProductDescription -->
<!--#USAGE: product description -->
<!ELEMENT ProductDescription (ProductName1, ProductName2?)>
<!ELEMENT ProductName1 (#PCDATA)>
<!ELEMENT ProductName2 (#PCDATA)>
<!--***** ProductPrice **** -->
<!--#USAGE: price of a product -->
<!ELEMENT ProductPrice (PriceCategory?, Price, DiscountGroup?, PriceUnit?)>
<!ELEMENT PriceCategory (#PCDATA)>
<!--#USAGE: Price -->
<-- A maximum of 11 digits is allowed to the left of the decimal point.
There must be 3 digits to the right of the decimal point. -->
<!ELEMENT Price (#PCDATA)>
```

```
<!ELEMENT DiscountGroup (#PCDATA)>
<!ELEMENT PriceUnit (Quantity)>
<!--***** Amount ***** -->
<!ELEMENT Amount (#PCDATA)>
<!--***** Percent ***** -->
<!ELEMENT Percent (#PCDATA)>
<!--***** Seller Party ***** -->
<!--#USAGE: seller information -->
<!ELEMENT SellerParty (PartyNumber, Address)>
<!--***** Buyer Party ***** -->
<!--#USAGE: buyer information -->
<!ELEMENT BuyerParty (PartyNumber, Address)>
<!--***** Delivery Party *** -->
<!--#USAGE: delivery party information -->
<!ELEMENT DeliveryParty (PartyNumber?, Address)>
<!--***** Invoice Party *** -->
<!--#USAGE: invoice party information -->
<!ELEMENT InvoiceParty (PartyNumber?, Address)>
<!--***** Invoice Org **** -->
<!--#USAGE: invoice organisation -->
<!ELEMENT InvoiceOrg (TaxRegistrationNumber?, InvoiceParty)>
<!ELEMENT TaxRegistrationNumber (#PCDATA)>
<!--***** Sender Party **** -->
<!--#USAGE: sender party information -->
<!ELEMENT SenderParty (PartyNumber?, Address)>
<!--***** Receiver Party *** -->
```

```
<!--#USAGE: receiver party information -->
<!ELEMENT ReceiverParty (PartyNumber?, Address)>
<!--***** Currency ***** -->
<!--#USAGE: currency = three-character currency code specified in ISO 4217 -->
<!ELEMENT Currency (#PCDATA)>
<!--***** PartyNumber ***** -->
<!--#USAGE: party number definition -->
<!ELEMENT PartyNumber (#PCDATA)>
<!--***** BuyerPartyNumber ***** -->
<!--#USAGE: buyer party number definition -->
<!ELEMENT BuyerPartyNumber (#PCDATA)>
<!--***** DeliveryPartyNumber ** -->
<!--#USAGE: delivery party number definition -->
<!ELEMENT DeliveryPartyNumber (#PCDATA)>
<!--***** Address ***** -->
<!--#USAGE: address definition -->
<!ELEMENT Address (Name1, Name2?, Street1, Street2?, PostalCode, City, CountryCode, CountryName?)>
<!ELEMENT Name1 (#PCDATA)>
<!ELEMENT Name2 (#PCDATA)>
<!ELEMENT Street1 (#PCDATA)>
<!ELEMENT Street2 (#PCDATA)>
<!ELEMENT PostalCode (#PCDATA)>
<!ELEMENT City (#PCDATA)>
<!--#USAGE: CountryCode = two-character country code specified in ISO 639 -->
<!ELEMENT CountryCode (#PCDATA)>
<!ELEMENT CountryName (#PCDATA)>
```

```
<!--***** SenderUserName ** -->
<!--#USAGE: name of sender -->
<!ELEMENT SenderUserName (#PCDATA)>
<!--***** ReceiverUserName ** -->
<!--#USAGE: name of receiver -->
<!ELEMENT ReceiverUserName (#PCDATA)>
<!--***** PositionNumber ** -->
<!--#USAGE: Position number -->
<!ELEMENT PositionNumber (#PCDATA)>
<!--***** OrderRef ***** -->
<!--#USAGE: reference to corresponding order -->
<!ELEMENT OrderRef (SellerOrderNumber, BuyerOrderNumber?, Date)>
<!ELEMENT SellerOrderNumber (#PCDATA)>
<!ELEMENT BuyerOrderNumber (#PCDATA)>
<!--***** OrderItemRef **** -->
<!--#USAGE: reference to position in order -->
<!ELEMENT OrderItemRef (SellerOrderItemRef, BuyerOrderItemRef?)>
<!ELEMENT SellerOrderItemRef (#PCDATA)>
<!ELEMENT BuyerOrderItemRef (#PCDATA)>
<!--***** DesAdvRef ***** -->
<!--#USAGE: reference to a despatch advice -->
<!ELEMENT DesAdvRef (DocumentNumber, Date)>
<!ELEMENT DocumentNumber (#PCDATA)>
<!--***** DesAdvItemRef **** -->
<!--#USAGE: reference to position in despatch advice -->
<!ELEMENT DesAdvItemRef (PositionNumber)>
```

```
<!--***** QtyVariance **** -->
<!--#USAGE: information on quantity variance -->
<!ELEMENT QtyVariance (Quantity, DeviationReason?, ModificationReason?, QtyVarComment?)>
<!ELEMENT DeviationReason (#PCDATA)>
<!ELEMENT ModificationReason (#PCDATA)>
<!ELEMENT QtyVarComment (#PCDATA)>
<!--***** Measurements **** -->
<!--#USAGE: information on weights and measures-->
<!ELEMENT Measurements (MeasurementUnit+)>
<!ELEMENT MeasurementUnit (#PCDATA)>
<!ATTLIST MeasurementUnit
  MeasurementUnitQualifier CDATA #REQUIRED
  UoM CDATA #REQUIRED
>
<!--***** OrdStatReqData **** -->
<!ELEMENT OrdStatReqData (OrdStatReqIssueDate, OrdStatReqNumber, SellerParty, BuyerParty, RequestedStatus, SellerOr-
derNumber?, BuyerOrderNumber?, ProductId?, DateFrom?, DateTo?, MaxNrOfOrders)>
<!--#USAGE: Issue date of the document -->
<!ELEMENT OrdStatReqIssueDate (Date)>
<!--#USAGE: Id of the request -->
<!ELEMENT OrdStatReqNumber (#PCDATA)>
<!--#USAGE: Status -->
<!ELEMENT RequestedStatus EMPTY>
<!ATTLIST RequestedStatus
  Open (Yes | No) "Yes"
  CompletelyProcessed (Yes | No) "Yes"
```

```
>
<!ELEMENT DateFrom (Date)>
<!ELEMENT DateTo (Date)>
<!ELEMENT MaxNrOfOrders (#PCDATA)>
<!--***** Response ***** -->
<!ELEMENT Response (Text, Parameter?)>
<!ELEMENT Text (#PCDATA)>
<!ELEMENT Parameter (#PCDATA)>
<!ATTLIST Response
  Code CDATA #REQUIRED
  Class CDATA #REQUIRED
  Type CDATA #IMPLIED
```

## 4 Content of a DespatchAdvice

The following table presents the content of a DespatchAdvice:

<?xml version="1.0" encoding="ISO-8859-1" ?>	This states the version.
<?xmlstylesheet type="text/xsl" href="DesAdv_2.0.xsl" ?>	This points to the XSL file for transforming the XML message into HTML.
<!DOCTYPE DesAdv SYSTEM "DesAdv_2.0.dtd">	This points to the DTD file.
<DesAdv>	
<Document Type="DesAdv" Version="2.0" />	
<DesAdvHeader>	
<DesAdvId>1234567</DesAdvId>	
<DesAdvIssueDate>	
<Date Qualifier="At" Format="YYYYMMDD">20010208</Date>	
</DesAdvIssueDate>	
<DeliveryDate>	
<Date Format="YYYYMMDDHHMM" Qualifier="At">">200102141400</Date>	
</DeliveryDate>	
<TransportDetails>	
<TransportMode>30</TransportMode>	
<TransportTypeMeansCode>31</TransportTypeMeansCode>	
<TransportTypeMeansFree>LKW</TransportTypeMeansFree>	
<CarrierIdentificationILN>CIN12345678</CarrierIdentificationILN>	
</TransportDetails>	

#### 4 Content of a DespatchAdvice

---

<OrderRef>	
<SellerOrderNumber>SON-3333333</SellerOrderNumber>	
<BuyerOrderNumber>BON-3333333</BuyerOrderNumber>	
<Date>20010207</Date>	
</OrderRef>	
<OrderRef>	
<SellerOrderNumber>SON-555555555</SellerOrderNumber>	
<BuyerOrderNumber>BON-555555555</BuyerOrderNumber>	
<Date>20010208</Date>	
</OrderRef>	
<SellerParty>	
<PartyNumber>987654321</PartyNumber>	
<Address>	
<Name1>Lieferant1</Name1>	
<Name2>Fahrzeugteile und Zubehör</Name2>	
<Street1>Elbeallee 1</Street1>	
<PostalCode>33678</PostalCode>	
<City>Herrenhausen</City>	
<CountryCode>DE</CountryCode>	
</Address>	
</SellerParty>	
<BuyerParty>	
<PartyNumber>1264553221</PartyNumber>	
<Address>	
<Name1>Werkstatt Müller GmbH</Name1>	
<Name2>Inh. B. Meister</Name2>	
<Street1>Weidenstr. 33</Street1>	

#### 4 Content of a DespatchAdvice

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#### 4 Content of a DespatchAdvice

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#### 4 Content of a DespatchAdvice

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## 5 Presentation of DespatchAdvice

Transaction documents are described in TXML format and therefore only contain net data. The transaction documents should be displayed in a browser control in the *Document Details* dialog. Transformation from TXML to HTML is therefore necessary. Transformation takes place with the aid of **XSLT templates**.

XSLT (Extensible Style Sheet Language Transformation) serves to transform XML files with any DTD into another form of XML. The most common application of XSLT is probably transformation into HTML. XSLT templates consist of a collection of template rules which, in turn, consist of two parts each: a pattern and a template that is executed during the transformation process.

Despatch Advice			
Document No.:	1234567	Issue Date:	08.02.2001
Delivery Date:	14.02.2001 14:00		
Order References:	Purchaser Order ID BON-3333333 BON-5555555555	Supplier Order ID SON-3333333 SON-5555555555	Order Date 07.02.2001 08.02.2001
Supplier:	Lieferant1 Fahrzeugteile und Zubehör Elbeallee 1 33678 Herrenhausen		987654321
Purchaser:	Werkstatt Müller GmbH Inh. B. Meister Weidenstr. 33 33758 Immenstadt		1264553221
Ship to:	Filiale Werkstatt Meister GmbH Birkenweg 3 33758 Immenstadt		1264553229
Invoice Recipient:	Zentrale Werkstatt Meister GmbH Eichenstr. 18 33758 Immenstadt		1264553222
Transport details:	Mode Road	Transport means Trucking	Free text M-CM 222 Carrier ILN CIN12345678
Zustellung:	Erfolgt über UPS		
Zustellaufrag:	26768686868		

List of all Delivered Products			
Quantity	Maker	Product No.	Designation
20 PCE	BOSCH	<b>0 130 107 268</b> 1234 999888	Motor, Gebläse Kühler Spezial
30 PCE	GKN	<b>0.022933</b> 12345 555333	Gelenk mit Profilwelle
40 PCE	BOSCH	<b>0 130 107 268</b> 555222	Motor, Gebläse Kühler Spezial

Packaging Unit No. 1			
Description			
Quantity:	2		
Type:	201	ISO 1 Palette	
Reference:	PK X4856		
Total weights and measurements:	Unit net weight:	100	KGM
	Unit gross weight:	120	KGM
Palette:	Mehrweg		
Code			
	Systematics	Type	ID
	17	BN	P-1
	17	BN	P-2
Contents			
PU Nos:	<b>2 , 3 ,</b>		

[List of all Delivered Products](#)

### Packaging Unit No. 2

#### Description

Quantity:	2	
Type:	CT	Karton
Included in PU:	1	
Karton:	Mehrweg	

#### Code

Systematics	Type	ID
17	BN	K-1
17	BN	K-2

#### Contents

Product:	Quantity	Maker	Product No.	Designation
	1 20 PCE	BOSCH	0 130 107 268 1234 999888	Motor, Gebläse Kühler Spezial
Divergence:		2 PCE - Divergence due to CI - Change due to xxx Ihr Anruf vom 23.2.2001 1 PCE - Divergence due to CI - Change due to xxx Ihr Anruf vom 24.2.2001		
Weights and measurements:		Unit net weight: 50KGM		
Order Ref.:	2	GKN	0,022933 12345 555333	Gelenk mit Profilwelle
Suppl. ref.:	30 PCE			
Neuheit:				
	Order Ref.:	BON-3333333 1		
	Suppl. ref.:	SON-3333333 10		
		Neuer Katalog verfügbar!		
	2 30 PCE			
	Order Ref.:	BON-3333333 2		
	Suppl. ref.:	SON-3333333 20		

[List of all Delivered Products](#)

### Packaging Unit No. 3

#### Description

Quantity:	2	
Type:	CT	Karton
Included in PU:	1	
Weights and measurements:	Volume: 100 CCM	
Karton:	Height: 120 MM	

#### Code

Systematics	Type	ID
17	BN	K-3
17	BN	K-4

#### Contents

Product:	Quantity	Maker	Product No.	Designation
	1 40 PCE	BOSCH	0 130 107 268 555222	Motor, Gebläse Kühler Spezial
Order Ref.:		BON-5555555555 1		
Suppl. ref.:		SON-5555555555 10		
Neuheit:		Neuer Katalog für Motorzubehör verfügbar!		

[List of all Delivered Products](#)

# 6 Annex

## 6.1 XML glossary

<b>Document</b>	XML documents consist of a prolog and a root element.
<b>Prolog</b>	The prolog consists of the XML declaration and the document type definition.
<b>XML declaration</b>	Processing instruction to identify the XML version and the character set that is in use.
<b>Document type definition</b>	<p>Formal description of the structure of an XML document that can be used to check the validity of an XML document.</p> <p>It contains information on what element types there are, what they are allowed to contain, which attributes are permitted and which values they may assume. DTDs thus provide a certain measure of control of the content of attributes but not of the content of elements (for example no value types).</p> <p>DTDs are linked to an XML file. They can be external (pointer to a DTD file) or internal (integral part of the document type definition).</p> <p>Example of syntax for external:</p> <pre>&lt;!DOCTYPE hallo SYSTEM "hallo.dtd"&gt;</pre> <p>Example of syntax for internal:</p> <pre>&lt;!DOCTYPE hallo [     element type declarations ]&gt; &lt;hallo&gt; &lt;/hallo&gt;</pre>
<b>Processing instruction</b>	<p>Instruction for a program that processes an XML document.</p> <p>Example of syntax:</p> <pre>&lt;?PI ?&gt;</pre>
<b>Element</b>	<p>Part of an XML document that is identified by a start and end tag. The two tags embrace the content of the element. Elements can also be empty, however.</p> <p>Example of syntax for an empty element:</p> <pre>&lt;Empty/&gt;</pre>
<b>Attribute</b>	<p>Within start tags, attribute value pairs can be assigned to elements and these may contain information about the content.</p> <p>Example of syntax:</p> <pre>&lt;element attribute="value"/&gt;</pre>

<b>Content</b>	Section between the start and end tag of an element. The content can be elements, character data or comments.
<b>Character data</b>	
<b>Character reference</b>	Coded representation of a character. Example of syntax: <code>&amp;#nn;</code>
<b>Entity reference</b>	Text module to define character data. Entity references are suitable as abbreviations and for multiple use of recurrent phrases. Example of syntax: <code>&lt;!ENTITY EntityReference "...&gt;</code> Call: <b>&amp;EntityReference;</b>
<b>Reserved characters</b>	Some characters (<, >, &, quotation mark, apostrophe) are reserved in XML and are not allowed to be used as element content. The following alternative character references can be used: &lt; &gt; &amp; &quot; &apos; <sup>4</sup>
<b>CDATA section, Character data</b>	Section within an XML document in which no mark-up is recognized. CDATA sections therefore make it possible to enter such characters as & and < to be input directly. Example of syntax: <code>&lt;![CDATA[ character data ]]&gt;</code>
<b>Element type declaration</b>	Element type declarations define which elements are allowed to occur in the current element, as well as the sequence and frequency of occurrence. As far as atomic elements are concerned, the possible content is described. <u>Common content specifications for atomic elements are:</u> <ul style="list-style-type: none"><li>• PCDATA: character string that can be parsed</li><li>• ANY: Any content with every element in the DTD</li><li>• EMPTY: empty element</li></ul>
<b>PCDATA section, Parsed character data</b>	Section within an XML document that is processed by the parser. In PCDATA sections, entity references are therefore recognized and resolved. Example of syntax in DTD: <code>&lt;!ELEMENT street (#PCDATA)&gt;</code>

<sup>4</sup> When a node is created with the XML-DOM and its content has been defined, the reserved characters are automatically converted to the alternatives.

<b>Attribute list declaration</b>	<p>Attribute list declarations define which attributes exist for an element type, the type of attribute values, and which standard values exist.</p> <p><u>Common types:</u></p> <ul style="list-style-type: none"> <li>• CDATA: string attribute</li> <li>• ID: token attribute for unique identification</li> <li>• (a b c): Enumeration attribute with values a, b, c</li> </ul> <p><u>Common standard values for attributes are:</u></p> <ul style="list-style-type: none"> <li>• #REQUIRED: mandatory attribute</li> <li>• #IMPLIED: optional attribute</li> <li>• #FIXED: mandatory attribute with standard value</li> </ul> <p>In the standard value, it is also possible to set a default that is used when the attribute is missing.</p>
<b>XSLT</b>	A language that was approved in November 1999 to transform XML documents into HTML, WML or other XML documents.
<b>Parameter entity reference</b>	<p>Text module to define DTD elements. Entity references are suitable as abbreviations and for multiple use of recurrent phrases within a DTD.</p> <p>Example of syntax:</p> <pre>&lt;!ENTITY %EntityReference "..."&gt;&gt;</pre> <p>Call: %EntityReference;</p>
<b>Reserved name character</b>	Character for reserved name. Pound sign #

## **6.2 Units of measure according to UN/ECE recommendation 20**

ACR	Acre (4840 square yards)
ASM	Alcholic strength by mass
ASV	Alcholic strength by volume
AMP	Ampere
AMH	Ampere-hour (3.6kC)
ARE	Are (100 square metres)
BAR	Bar
BLL	Barrel (petroleum) (158.987 dm <sup>3</sup> )
BFT	Board foot
BQL	Becquerel
BIL	Billion EUR
MLD	Billion US
BHP	Brake horse power (245s <sup>7</sup> watts)
BTU	British thermal unit (1.055 kilojoules)
BUA	Bushel (35.23911 dm <sup>3</sup> )
BUI	Bushel (36.36874 dm <sup>3</sup> )
CDL	Candela
CCT	Carrying capacity in metric tonnes
CNT	Cental GB (45.359237 kg)
CGM	Centigram
CLT	Centilitre
CMT	Centimetre
DTN	Centner, metric (100 kg) (syn. hectokilogram)
WCD	Cord (3.63 m <sup>3</sup> )
COU	Colomb
CKG	Colomb per kilogram
CMQ	Cubic centimetre
DMQ	Cubic decimetre
FTQ	Cubic foot
INQ	Cubic inch
MTQ	Cubic metre
MQH	Cubic metre per hour
MQS	Cubic metre per second
MMQ	Cubic millimetre
YDQ	Cubic yard
CUR	Curie
DAY	Day
DEC	Decade (ten years)
DAA	Decare
DLT	Decilitre
DMT	Decimetre
DTN	Decitonne
CEL	Degree Celsius
FAH	Degree Fahrenheit
DPT	Displacement tonnage
DZN	Dozen
DZP	Dozen packs
DPR	Dozen pairs
DPC	Dozen pieces
DRL	Dozen rolls
DRM	Drachm GB (3.887935 g)
DRI	Dram GB (1,7711745 g)
DRA	Dram US (3.887935 g)
BLD	Dry barrel (115.627 dm <sup>3</sup> )
GLD	Dry gallon (4.404884 dm <sup>3</sup> )
PTD	Dry pint (0.55061 dm <sup>3</sup> )
QTD	Dry quart (1.101221 dm <sup>3</sup> )
FAR	Farad
OZI	Fluid ounce (28.413 cm <sup>3</sup> )
OZA	Fluid ounce (29.5735 cm <sup>3</sup> )
FOT	Foot (0.3048 m)
GLI	Gallon (4.546092 dm <sup>3</sup> )
GBQ	Gigabequerel
GWH	Gigawatt-hour (1 million kW/h)
GII	Gill (0.142065 dm <sup>3</sup> )

GIA	Gill (11.8294 cm <sup>3</sup> )
GRN	Grain GB, US (64.798910 mg)
GRM	Gram
GFI	Gram of fissile isotopes
GGR	Great gross (12 gross)
GRO	Gross
GRT	Gross (register) ton
SAN	Half year (six month)
HAR	Hectare
HBA	Hectobar
HGM	Hectogram
DTH	Hectokilogram
HLT	Hectolitre
HPA	Hectolitre of pure alcohol
HMT	Hectometre
HTZ	Hertz
HUR	Hour
CEN	Hundred
BHX	Hundred boxes
HIU	Hundred international units
CLF	Hundred leaves
CNP	Hundred packs
CWA	Hundredweight US (45.3592 kg)
INH	Inch (25.4 mm)
JOU	Joule
KEL	Kelvin
KBA	Kilobar
KGM	Kilogram
KPH	Kilogram of caustic potash
KSH	Kilogram of caustic soda
KNS	Kilogram of named substance
KNI	Kilogram of nitrogen
KPP	Kilogram of phosphorus pentoxide
KPH	Kilogram of potassium hydroxide
KPO	Kilogram of potassium oxide
KSD	Kilogram of substance 90 per cent dry
KUR	Kilogram of uranium
KMQ	Kilogram per cubic metre
KGS	Kilogram per second
KHZ	Kilohertz
KJO	Kilojoule
KMT	Kilometre
KMH	Kilometre per hour
KPA	Kilopascal
KTN	Kilotonne
KVR	Kilovar
KVT	Kilovolt
KVA	Kilovolt-ampere
KWT	Kilowatt
KWH	Kilowatt-hour
KNT	Knot (1 nautical mile per hour)
LEF	Leaf
GLL	Liquid gallon (3.78541 dm <sup>3</sup> )
PTL	Liquid pint (0.473176 dm <sup>3</sup> )
QTL	Liquid quart (0.946353 dm <sup>3</sup> )
LTR	Litre (1 dm <sup>3</sup> )
LPA	Litre of pure alcohol
CWI	(Long) hundredweight GB (50.802345 kg)
LTN	Long ton GB, US (1.0160469 t)
LUM	Lumen
LUX	Lux
MHZ	Megahertz
MAL	Megalitre
MAM	Megametre
MPA	Megapascal
MVA	Megavolt-ampere (1000 KVA)
MAW	Megawatt
MWH	Megawatt-hour (1000 kW/h)
MTR	Metre
MTS	Metre per second
MSK	Metre per second squared
CTM	Metric carat (200 mg = 2.10 <sup>-4</sup> kg)

TNE	Metric tonne (1000 kg)
MLD	Milliard
MBR	Millibar
MCU	Millicurie
MGM	Milligram
MLT	Millilitre
MMT	Millimetre
MIO	Million
HMQ	Million cubic metres
MIU	Million international units
MIN	Minute
MON	Month
NMI	Nautical mile (1852 m)
NTT	Net (register) ton
NEW	Newton
NMB	Number
NAR	Number of articles
NBB	Number of bobbins
NCL	Number of cells
NIU	Number of international units
NMP	Number of packs
NPR	Number of pairs
NPL	Number of parcels
NPT	Number of parts
NRL	Number of rolls
OHM	Ohm
ONZ	Ounce GB, US (28.349523 g)
APZ	Ounce GB, US (31.10348 g; syn.: Troy ounce)
PAL	Pascal
DWT	Pennyweight GB, US (1.555174 g)
PCE	Piece
PTI	Pint (0.568262 dm <sup>3</sup> )
LBR	Pound GB, US (0.45359237 kg)
PGL	Proof gallon
QTI	Quart (1.1136523 dm <sup>3</sup> )
QAN	Quarter (of a year)
QTR	Quarter GB (12.700586 kg)
DTN	Quintal, metric (100 kg)
RPM	Revolution per minute
RPS	Revolution per second
SCO	Score
SCR	Scruble GB, US (1.295982 g)
SEC	Second
SET	Set
SHT	Shipping ton
SST	Short standard (7200 matches)
STN	Short ton GB, US (0.90718474 t)
SIE	Siemens
CMK	Square centimetre
DMK	Square decimetre
FTK	Square foot
INK	Square inch
KMK	Square kilometre
MTK	Square metre
MIK	Square mile
MMK	Square millimetre
YDK	Square yard
WSD	Standard
ATM	Standard atmosphere (101325 Pa)
SMI	(Statute) mile (1609.344 m)
STI	Stone GB (6.350293 kg)
ATT	Technical atmosphere (98066.5 Pa)
DAD	Ten days
TPR	Ten pairs
MIL	Thousand
TAH	Thousand ampere-hour
MBF	Thousand board feet (2.36 m <sup>3</sup> )
TQD	Thousand cubic metre per day
MBE	Thousand standard brick equivalent
TSH	Ton of steam per hour
TNE	Tonne (1000 kg)
TSD	Tonne of substance 90 per cent dry

TRL	Trillion EUR
BIL	Trillion US
LBT	Troy pound, US (373.242 g)
VLT	Volt
WTT	Watt
WHR	Watt-hour
WEB	Weber
WEE	Week
YRD	Yard (0.9144 m)
ANN	Year

### 6.3 TECDOC maker identifiers

AP	AUTOMOTIVE PRODUCTS
ATE	ITT AUTOMOTIVE (ATE)
BEHR	BEHR-THERMOTRONIK
BENDIX	ALLIED SIGNAL (BENDIX)
BERU	BERU
BILST	BILSTEIN
BOGE	BOGE
BOSAL	BOSAL
BOSCH	BOSCH
BREMBO	BREMBO
BREMI	BREMI AUTO-ELEKTRIK
CENTRO	CENTRO
CHAMP	LUBERFINER (CHAMP)
CHAMPI	CHAMPION
CONTI	CONTITECH
DASIS	Dasis
DAYCO	DAYCO EUROPE
DENSO	DENSO
EBERS	EBERSPÄCHER
EKG	EKG GELENKWELLEN
ELRING	ELRING
ERNST	ERNST
EVR	RUVILLE AUTOTEILE
EXIDE	EXIDE
F+S	SACHS HANDEL
FERODO	FERODO BERAL
FRAM	ALLIED SIGNAL (FRAM)
FTE	FTE automotive
GABRIE	GABRIEL
GATES	GATES
GERI	GERI
GKN	GKN (SPIDAN)
GOETZE	GOETZE MOTORENTEILE
HE+BU	HERTH + BUSS (NIPPARTS)
HELLA	HELLA
HENGST	Hengst Filter
HER+BU	HERTH & BUSS -AUTOELEKTRONIK-
HJS	HJS
HOPPEC	HOPPECKE
JURID	ALLIED SIGNAL (JURID)
KLOKKE	KLOKKERHOLM
KLOTZ	HK AUTOTEILE
KNECHT	KNECHT FILTER
KONI	ITT AUTOMOTIVE (KONI)
KYB	KAYABA
LEIST	LEISTRITZ
LEMF	LEMFÖRDER
LOCTIT	LOCTITE
LOEBRO	GKN (LÖBRO)
LUCAS	LUCAS
LUK	AS-AUTOTEILE-SERVICE (LUK)
MAHLE	MAHLE FILTER
MANN	MANN + HUMMEL
MINTEX	MINTEX
MONROE	MONROE
NGK	NGK
NOR	Nor Aalborg A/S
OPTIBE	ARNTZ-OPTIBELT
OPTILU	HELLA (OPTILUX)
ORIS	ORIS
OSRAM	OSRAM
PAGID	PAGID
PEX	PEX
PHILIP	PHILIPS
PIERBG	PIERBURG

PURFLU	PURFLUX
PUROLA	PUROLATOR
QH	QUINTON HAZELL
REINZ	REINZ
SCHMID	SCHMID-DONZDORF
SKF	SKF
SONNEN	SONNENSCHEIN
SRS	SRS
SWF	ITT AUTOMOTIVE (SWF)
TESH	TESH
TEXTAR	TEXTAR
TTV	TTV Kraftfahrzeugteile-Vertriebs GmbH
TW	TEROSON
VALEO	VALEO
VARTA	VARTA
VDO	VDO
WABCO	WABCO
WAHLER	Wahler
WALKER	WALKER
WESTF	WESTFALIA
WEZEL	VAN WEZEL
ZIMANN	Zimmermann

## 6.4 Currency codes according to ISO 4217

AFGHANISTAN	AFA
ALBANIA	ALL
ALGERIA	DZD
AMERICAN SAMOA	USD
AMERICAN SAMOA	ESP
ANDORRA	FRF
ANDORRA	ADP
ANGOLA	AON
ANGUILLA	XCD
ANTARCTICA	
ANTIGUA AND BARBUDA	XCD
ARGENTINA	ARS
ARMENIA	AMD
ARUBA	AWG
AUSTRALIA	AUD
AUSTRIA	ATS
AZERBAIJAN	AZM
BAHAMAS	BSD
BAHRAIN	BHD
BANGLADESH	BDT
BARBADOS	BBD
BELARUS	BYB
BELGIUM	BEF
BELIZE	BZD
BENIN	XOF
BERMUDA	BMD
BHUTAN	INR
BHUTAN	BTN
BOLIVIA	BOB
BOSNIA AND HERZEGOVINA	
BOTSWANA	BWP
BOUVET ISLAND	NOK
BRAZIL	BRL
BRITISH INDIAN OCEAN TERRITORY	USD
BRUNEI DARUSSALAM	BND
BULGARIA	BGL
BURKINA FASO	XOF
BURUNDI	BIF
CAMBODIA	KHR
CAMEROON	XAF
CANADA	CAD
CAPE VERDE	CVE
CAYMAN ISLANDS	KYD
CENTRAL AFRICAN REP.	XAF
CHAD	XAF
CHILE	CLP
CHILE	CLF
CHINA	CNY
CHRISTMAS ISLAND	AUD
COCOS (KEELING) ISLS	AUD
COLOMBIA	COP
COMOROS	KMF
CONGO	XAF
COOK ISLANDS	NZD
COSTA RICA	CRC
COTE D IVOIRE	XOF
CROATIA	HRK
CUBA	CUP
CYPRUS	CYP
CZECH REPUBLIC	CZK
DENMARK	DKK
DJIBOUTI	DJF
DOMINICA	XCD
DOMINICAN REPUBLIC	DOP
EAST TIMOR	TPE

EAST TIMOR	IDR
ECUADOR	ECS
EGYPT	EGP
EL SALVADOR	SVC
EQUATORIAL GUINEA	XAF
ERITREA	
ESTONIA	EEK
ETHIOPIA	ETB
EUROPEAN MONETARY COOP. FUND (EMCF)	
FALKLAND ISLANDS (MALVINAS)	FKP
FAROE ISLANDS	DKK
FIJI	FJD
FINLAND	FIM
FRANCE	FRF
FRANCE, METROPOLITAN	FRF
FRENCH GUIANA	FRF
FRENCH POLYNESIA	XPF
FRENCH SOUTHERN TERRITORIES	FRF
GABON	XAF
GAMBIA	GMD
GEORGIA	GEK
GERMANY	DEM
GHANA	GHC
GIBRALTAR	GIP
GREECE	GRD
GREENLAND	DKK
GRENADA	XCD
GUADELOUPE	FRF
GUAM	USD
GUATEMALA	GTQ
GUINEA	GNF
GUINEA-BISSAU	GWP
GUYANA	GYD
HAITI	HTG
HAITI	USD
HEARD ISLAND AND MCDONALD ISLANDS	
HONDURAS	HNL
HONG KONG	HKD
HUNGARY	HUF
ICELAND	ISK
INDIA	INR
INDONESIA	IDR
INTERNATIONAL MONETARY FUND (IMF)	
IRAN (ISLAMIC REP.)	IRR
IRAQ	IQD
IRELAND	IEP
ISRAEL	ILS
ITALY	ITL
JAMAICA	JMD
JAPAN	JPY
JORDAN	JOD
KAZAKHSTAN	KZT
KENYA	KES
KIRIBATI	AUD
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	
KOREA, REPUBLIC OF	KRW
KUWAIT	KWD
KYRGYZSTAN	KGS
LAO PEOPLE S DEMOCRATIC REPUBLIC	
LATVIA	LVL
LATVIA	LVR
LEBANON	LBP
LESOTHO	ZAR
LESOTHO	ZAL
LESOTHO	LSL
LIBERIA	LRD
LIBYAN ARAB JAMAHIRIYA	LYD
LIECHTENSTEIN	CHF
LITHUANIA	LTL
LUXEMBOURG	LUF
MACAU	MOP
MACEDONIA, THE FORMER YUGOSLAV REP. OF	

MADAGASCAR	MGF
MALAWI	MWK
MALAYSIA	MYR
MALDIVES	MVR
MALI	XOF
MALTA	MTL
MARSHALL ISLANDS	USD
MARTINIQUE	FRF
MAURITANIA	MRO
MAURITIUS	MUR
MAYOTTE	FRF
MEXICO	MXN
MICRONESIA (FEDERATED STATES OF)	
MOLDOVA, REPUBLIC OF	MDL
MONACO	FRF
MONGOLIA	MNT
MONTSERRAT	XCD
MOROCCO	MAD
MOZAMBIQUE	MZM
MYANMAR	MMK
NAMIBIA	ZAR
NAMIBIA	NAD
NAURU	AUD
NEPAL	NPR
NETHERLANDS	NLG
NETHERLANDS ANTILLES	ANG
NEW CALEDONIA	XPF
NEW ZEALAND	NZD
NICARAGUA	NIO
NIGER	XOF
NIGERIA	NGN
NIUE	NZD
NORFOLK ISLAND	AUD
NORTHERN MARIANA ISLANDS	USD
NORWAY	NOK
OMAN	OMR
PAKISTAN	PKR
PALAU	USD
PANAMA	PAB
PANAMA	USD
PAPUA NEW GUINEA	PGK
PARAGUAY	PYG
PERU	PEN
PHILIPPINES	PHP
PITCAIRN	NZD
POLAND	PLZ
PORTUGAL	PTE
PUERTO RICO	USD
QATAR	QAR
REUNION	FRF
ROMANIA	ROL
RUSSIAN FEDERATION	RUR
RWANDA	RWF
SAINT HELENA	SHP
SAINT KITTS AND NEVIS	XCD
SAINT LUCIA	XCD
SAINT PIERRE AND MIQUELON	FRF
SAINT VINCENT AND THE GRENADINES	
SAMOA	WST
SAN MARINO	ITL
SAO TOME AND PRINCIPE	STD
SAUDI ARABIA	SAR
SENEGAL	XOF
SEYCHELLES	SCR
SIERRA LEONE	SLL
SINGAPORE	SGD
SLOVAKIA	SKK
SLOVENIA	SIT
SOLOMON ISLANDS	SBD
SOMALIA	SOS
SOUTH AFRICA	ZAR
SOUTH AFRICA	ZAL

SOUTH GEORGIA + THE SOUTH SANDWICH ISL.	
SPAIN	ESP
SRI LANKA	LKR
SUDAN	SDD
SUDAN	SDP
SURINAME	SRG
SVALBARD AND JAN MAYEN	NOK
SWAZILAND	SZL
SWEDEN	SEK
SWITZERLAND	CHF
SYRIAN ARAB REPUBLIC	SYP
TAIWAN, PROVINCE OF CHINA	TWD
TAJIKISTAN	RUR
TANZANIA, UNITED REPUBLIC OF	TZS
THAILAND	THB
TOGO	XOF
TOKELAU	NZD
TONGA	TOP
TRINIDAD AND TOBAGO	TTD
TUNISIA	TND
TURKEY	TRL
TURKMENISTAN	
TURKS AND CAICOS ISLANDS	USD
TUVALU	AUD
UGANDA	UGX
UKRAINE	UAK
UNITED ARAB EMIRATES	AED
UNITED KINGDOM	GBP
UNITED STATES	USD
UNITED STATES MINOR OUTLYING ISLANDS	
URUGUAY	UYU
UZBEKISTAN	UZS
VANUATU	VUV
VATICAN CITY STATE (HOLY SEE)	
VENEZUELA	VEB
VIET NAM	VND
VIRGIN ISLANDS (BRITISH)	USD
VIRGIN ISLANDS (U.S.)	USD
WALLIS AND FUTUNA ISLANDS	XPF
WESTERN SAHARA	MAD
YEMEN	YER
YUGOSLAVIA	YUN
ZAIRE	ZRN
ZAMBIA	ZMK
ZIMBABWE	ZWD