

**Guideline for suppliers  
to provide product data  
according to BMEcat<sup>®</sup> Version 2005**

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ETIM International  
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This is the Guideline for suppliers to provide product data, created and coordinated on the level of ETIM International.

# Content

<b>1. Providing product data</b>	<b>Page 2</b>
<b>2. Supported transactions</b>	<b>Page 3</b>
<b>3. Requirement for supplier catalogs</b>	<b>Page 5</b>
<b>a. File name</b>	<b>Page 5</b>
<b>b. General guidelines for catalog content</b>	<b>Page 5</b>
<b>4. Specification of the BMEcat parts</b>	<b>Page 7</b>
<b>a. Instructions for header fields (HEADER)</b>	<b>Page 7</b>
<b>b. Transaction T_NEW_CATALOG</b>	<b>Page 14</b>
<b>c. Transaction T_UPDATE_PRODUCTS</b>	<b>Page 35</b>
<b>d. Transaction T_UPDATE_PRICES</b>	<b>Page 37</b>
<b>5. Explanation</b>	<b>Page 38</b>
<b>a. Product description</b>	<b>Page 38</b>
<b>b. Keywords</b>	<b>Page 40</b>
<b>c. Classification and features</b>	<b>Page 41</b>
<b>d. Order</b>	<b>Page 44</b>
<b>e. Prices</b>	<b>Page 49</b>
<b>f. Pictures and other additional documents</b>	<b>Page 51</b>
<b>g. Deep linking</b>	<b>Page 57</b>
<b>h. Safety data sheet and ECCN-codes</b>	<b>Page 58</b>
<b>i. Examples of packing variants</b>	<b>Page 61</b>
<b>6. Link compilation</b>	<b>Page 75</b>
<b>7. ISO - International Organization for Standardization</b>	<b>Page 76</b>
<b>8. Allowed order-, quantity- and packing units</b>	<b>Page 77</b>
<b>9. Country specific regulations</b>	<b>Page 78</b>
<b>10. Change log to previous versions</b>	<b>Page 87</b>

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## 1. Providing product data

Due to the ever-increasing quantity of product data with constantly diminishing product lifecycles, the consideration and use of standards is an absolute necessity for providing and processing product information of high quality.

With progressing globalization, there is a growing requirement from all the participants of the trade chain for quality of information. Especially the supplier will meet these requirements by using standards, because all product information concerning the product will be provided in a unique way and structured uniformly. This information will be used by all those participating in all levels of trade so that the exchange of information in both directions is always based on the same original data and can provide customers with high-quality product data via different media – in printed catalogs or brochures, on CD-ROMs, as well as in eProcurement solutions and online shops.

To ensure that the standardized ETIM data is provided on a long term scale, members of ETIM International have created this guideline to provide electronic product data. For the integration of electronic product catalogs in the product master data the XML (Extensible Markup Language) based standard BMEcat<sup>®</sup> Version 2005 is being used.

### Applied Standards:

- **BMEcat<sup>®</sup> Version 2005**  
Website: <http://www.bmecat.org>
- **ETIM**  
Website: <http://www.etim-international.com>  
ETIM International  
E-Mail: [info@etim-international.com](mailto:info@etim-international.com)

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## 2. Supported transactions

Transactions determine which parts of a catalog will be transferred with the catalog document and how this data has to be processed in the target system.

In BMEcat three transactions are at hand:

- Transfer of a new catalog: T\_NEW\_CATALOG (which is supported by all data receivers).  
Normally a data supplier delivers an ETIM BMEcat with all products that are distributed by the data receiver.  
But if defined between the data supplier and the data receiver, it is also possible to deliver only a part of the respective product range, e.g. only the new products. All data of these (new) products has to be part of the BMEcat file, so it is also a T\_NEW\_CATALOG – only with a smaller number of products.

Whether the following additional transactions are accepted must be defined between the data supplier and the data receiver:

- Update of product data: T\_UPDATE\_PRODUCTS
- Update of price data: T\_UPDATE\_PRICES

The application of the update transactions permits the reduction of the volume of the documents to be transferred, since changes do not require the new transfer of the complete catalog.

With the transaction T\_UPDATE\_PRODUCTS it is possible to inform the data receiver about new, changed and deleted products. The fields are identical to a new catalog, in the catalog there are only products which have been changed, the new ones and the deleted. Most important is that each update has to be transmitted from the data supplier and also has to be imported by the data receiver. If one update is missing the following catalog is invalid! In this case it is necessary to transmit a T\_NEW\_CATALOG.

With the transaction T\_UPDATE\_PRICES it is possible to inform the data receiver about new prices. In this catalog there are only the fields for prices, but for all products which have been in the last transmitted catalog. In this file it is not possible to transmit any other changes. With this type it is also possible to transmit additional prices – for example “net\_customer” price instead of transmitting this information by other means (e.g. by Excel file).

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The versioning is important: the first update-catalog has the text `prev_version="0"`, the second one 1 and so on. This applies both for `T_UPDATE_PRODUCTS` and for `T_UPDATE_PRICES`.

**Important:**

Each data supplier (manufacturer) usually should inform the data receiver with each transfer of an ETIM BMEcat, why a new file is delivered (new prices, new pictures, new products ...).

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### 3. Requirements for supplier catalogs

#### a. File name

The name of the BMEcat-XML-file must be as following:

Short name of the supplier with generation date and file extension XML. Embodied spaces are to be replaced by underscoring. The date is to be specified in the format yyyy-mm-dd.

The length of the file name should not exceed 40 characters.

Especially for resellers it is necessary to add the name of the manufacturer or a trademark or “complete”; if there are updates it could be helpful to add “New” for a complete new catalog, “Update\_Prices” or “Update\_Products” at the end of the file name before the date.

Example: **Smith\_Switches\_New\_2015-08-01.xml**

#### b. General guidelines for catalog content

Criteria are listed as follows:

- Catalog data standard: BMEcat<sup>®</sup> Version 2005
- Classification standard: ETIM
- Language(s) of the catalog content: depending on the data receiver
- Currency: depending on the data receiver
- All fields of this Guideline should be filled when the necessary data is available (e.g.: product reference to follow up, accessory or other product) and only fields that are listed in this ETIM Guideline are allowed.
- Elements that are not part of this ETIM Guideline are not allowed in an ETIM BMEcat file!
- Separator in all numeric fields is a „.“ (dot). For example: 124.90 and not 124,90. To use thousands separators is not allowed (e.g. 1250.90 and not 1,250.90).
- Guidelines regarding text fields (e.g. on formatting, character set, spelling, etc.) will be detailed per country in the specific country sections of this Guideline.
- The content of update-catalogs is identic to a standard catalog, in price-update-catalogs only price information in transmitted – see marks in the following document. Header information is in all cases identic.

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- A product update catalog includes only changed, new and deleted products. A price update catalog includes all products of the last catalog; no changes except the prices can be transmitted. If prices of some products are not changed it makes no difference.
  - It is recommended to deliver URLs according to RFC1738, starting with http:// or https://

**Important notice:**

**In the specification BMEcat<sup>®</sup> 2005 data fields are either “Mandatory” or “Optional”. In this ETIM Guideline, some optional fields of the original BMEcat specification BMEcat<sup>®</sup> 2005 are mandatory. This will be marked as +Mandatory in this document (respectively +m in the corresponding Excel file <ETIM BMEcat Guideline V3-1 - Overview elements.xlsx>). Furthermore each optional element can be marked as mandatory on the level of an individual ETIM country.**

## 4. Specification of the BMEcat parts

### a. Instructions for header fields (HEADER)

In the catalog header (**HEADER**) the products themselves are not described, but information concerning the identification and the validity of the catalog, the catalog creator and receiver as well as the underlying framework agreement is transferred. Furthermore default values that are applicable for all contained products can be placed; e.g., language and currency. The catalog header is structured in the same way for all three transactions.

HEADER (Mandatory, Single)							
Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang. specific
Generator information	<b>GENERATOR_INFO</b>	Optional	Single	Information about the generator of the document, e.g. the used software or the name of a service provider.	dtSTRING	250	-
HEADER → CATALOG (Mandatory, Single)							
Language	<b>LANGUAGE</b>	Mandatory	Multiple	This element specifies the used languages (acc. ISO 639-2:1998), especially the default language of all language-dependent information. <b>Single-lingual catalogs:</b> contains the used language; if the default-attribute is set, then it is not necessary to name the language in all elements that contain language-dependent information; <b>Multi-lingual catalogs:</b> this element must be used to	dtLANG	3	-



Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Data type	Field length	Lang. specific
				specify each language that occurs in the document, therefore the element appears more than once. If the default-attribute is set for the most frequently or always used language, then it is not necessary to name for all language-dependent information this language (default language); it is sufficient to mark information in other languages.			
Default flag (attribute)	<b>default</b>	Optional	Single	This element determines the default language of all language-dependent information in the document.	dtBOOLEAN		
Catalog ID	<b>CATALOG_ID</b>	Mandatory	Single	Unique catalog identification. This ID is usually assigned by the supplier when the catalog is generated and remains unchanged throughout the entire lifecycle of the catalog.	dtSTRING	20	-
Catalog version	<b>CATALOG_VERSION</b>	Mandatory	Single	Version number of the catalog. May only be reset on the target system in conjunction with a <b>T_NEW_CATALOG</b> transaction and not in the case of updates. Format: „MajorVersion“.“MinorVersion“, maximum however (xxx.yyy) (Example: 7.1 or 001.001)	dtSTRING	7	-
Catalog name	<b>CATALOG_NAME</b>	+Mandatory	Single	Any name that describes the catalog. Example: Fall/Winter	dtMLSTRING	100	Yes

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Data type	Field length	Lang. specific
				2005/2006			
Datetime	<b>DATE TIME</b> type="generation_date"	+Mandatory	Single	Time stamp, when the catalog document is generated. <u>Used value:</u> <Date> yyyy-mm-dd Example: 2015-07-01	dtDATE TIME	10	-
Territory	<b>TERRITORY</b>	Optional	Multiple	Territory (i.e. country, state, region) coded according to ISO 3166.	dtCOUNTRIES	6	-
Currency	<b>CURRENCY</b>	Optional	Single	acc. ISO 4217:2001; Provides the currency that is default for all price information in the catalog. If the price of a product has a different currency, or this element is not used, the currency has to be specified in the PRICE_CURRENCY element for the respective product. Therefore, the currency must be specified in the catalog header or for each product separately. It is recommended to define a default currency.	dtCURRENCIES	3	-
MIME root directory	<b>MIME_ROOT</b>	Optional	Single	A relative directory can be entered here (and/or a URL), i.e. one to which the relative paths in MIME_SOURCE refer.	dtMLSTRING	250	Yes
<b>HEADER → BUYER (+Mandatory, Single)</b>							
ID of the buying company	<b>BUYER_ID</b> type="buyer_specific"	Optional	Single	Unique number of the buying company	dtSTRING	250	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang. specific
Name of the buyer	<b>BUYER_NAME</b>	Mandatory	Single	Name of the buying company or organization	dtSTRING	50	-
<b>HEADER → SUPPLIER (Mandatory, Single)</b>							
Supplier ID	<b>SUPPLIER_ID</b> type="duns"	Optional	Single	The D-U-N-S® number (Data Universal Numbering System - <a href="http://www.dnb.com">http://www.dnb.com</a> ) is a 9-digit numeric code to indicate companies all over the world clearly. It was developed and introduced by Dun & Bradstreet in 1962. The number has to be delivered without formatting.	dtSTRING	250	-
Supplier ID	<b>SUPPLIER_ID</b> type="iln"	Optional	Single	ILN (International-Location-Number) of the supplier (respectively new designation is Global-Location-Number GLN)	dtSTRING	250	-
Supplier name	<b>SUPPLIER_NAME</b>	Mandatory	Single	Name of the supplier	dtSTRING	50	-
<b>HEADER → SUPPLIER → ADDRESS (Optional, Single)</b>							
Address type	<b>ADDRESS</b> type="supplier"	+Mandatory	Single	Contains the address type	dtSTRING	20	-
Contact name	<b>CONTACT</b>	Optional	Single	Contains the name of the contact person	dtMLSTRING	50	Yes
Street	<b>STREET</b>	Optional	Single	Street name and house number	dtMLSTRING	50	Yes
Zip code	<b>ZIP</b>	Optional	Single	ZIP code of address	dtMLSTRING	20	Yes
Town or city	<b>CITY</b>	Optional	Single	Town or city of the company	dtMLSTRING	50	Yes
Country	<b>COUNTRY</b>	Optional	Single	Country, e.g. France	dtMLSTRING	50	Yes
VAT-ID	<b>VAT_ID</b>	Optional	Single	Value Added Tax Identification Number of the business partner	dtSTRING	50	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang. specific
E-mail address	<b>EMAIL</b>	Mandatory	Single	e-mail address	dtSTRING	255	-
Internet address	<b>URL</b>	Optional	Single	URL of the web site, e.g., http://www.bmecat.org	dtSTRING	255	-
<b>HEADER → SUPPLIER → MIME_INFO (Optional, Single)</b>							
<b>HEADER → SUPPLIER → MIME_INFO → MIME (Mandatory, Multiple)</b>							
<b>Supplementary multimedia file with the logo of the supplier; the sub element MIME_PURPOSE should contain the value “logo”.</b>							
MIME type	<b>MIME_TYPE</b>	+Mandatory	Single	Same explanation as in the Subtree PRODUCT → MIME_INFO			
Source	<b>MIME_SOURCE</b>	Mandatory	Single	Same explanation as in the Subtree PRODUCT → MIME_INFO			
Designation	<b>MIME_DESCR</b>	Optional	Single	Same explanation as in the Subtree PRODUCT → MIME_INFO			
Alternative text	<b>MIME_ALT</b>	Optional	Single	Same explanation as in the Subtree PRODUCT → MIME_INFO			
Purpose	<b>MIME_PURPOSE</b>	+Mandatory	Single	Same explanation as in the Subtree PRODUCT → MIME_INFO			
<b>HEADER → USER_DEFINED_EXTENSIONS (Mandatory, Single)</b>							
User-defined extensions version	<b>UDX.EDXF.VERSION</b>	+Mandatory	Single	Version of the applied ETIM International BMEcat Guideline; EDXF = ETIM Data Exchange Format Field should be filled with “3.1” for this current version of the Guideline	dtSTRING	20	-

## Example for the Header

```
<BMECAT version="2005">
  <HEADER>
    <GENERATOR_INFO>Classification Software Master 1a</GENERATOR_INFO>
    <CATALOG>
      <LANGUAGE>dut</LANGUAGE>
      <CATALOG_ID>sample-7045839</CATALOG_ID>
      <CATALOG_VERSION>001.001</CATALOG_VERSION>
      <CATALOG_NAME>sample company-7045839</CATALOG_NAME>
      <DATETIME type="generation_date">
        <DATE>2015-01-02</DATE>
      </DATETIME>
      <TERRITORY>NL</TERRITORY>
      <CURRENCY>EUR</CURRENCY>
    </CATALOG>
    <BUYER>
      <BUYER_ID type="buyer_specific">sample buyer</BUYER_ID>
      <BUYER_NAME>Sample buyer name</BUYER_NAME>
    </BUYER>
    <SUPPLIER>
      <SUPPLIER_ID type="duns">316011725</SUPPLIER_ID>
      <SUPPLIER_ID type="iln">401234500001</SUPPLIER_ID>
      <SUPPLIER_NAME>Sample company ltd.</SUPPLIER_NAME>
      <ADDRESS type="supplier">
        <NAME>Sample company ltd.</NAME>
        <STREET>Sample road</STREET>
        <CITY>Sample city</CITY>
        <COUNTRY>NL</COUNTRY>
        <EMAIL>info@sample-company.nl</EMAIL>
        <URL>http://www.sample-company.nl</URL>
      </ADDRESS>
    </SUPPLIER>
    <MIME_INFO>
      <MIME>
        <MIME_TYPE>image/jpeg</MIME_TYPE>
        <MIME_SOURCE>sample company_logo.jpg</MIME_SOURCE>
        <MIME_DESCR>MD18</MIME_DESCR>
        <MIME_PURPOSE>logo</MIME_PURPOSE>
      </MIME>
    </MIME_INFO>
  </HEADER>
</BMECAT version="2005">
```

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```
</MIME>
</MIME_INFO>
</SUPPLIER>
<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.VERSION>3.1</UDX.EDXF.VERSION>
</USER_DEFINED_EXTENSIONS>
</HEADER>
```

## b. Transaction T\_NEW\_CATALOG

T_NEW_CATALOG (Mandatory, Single)							
Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
Product	<b>PRODUCT</b> in context <b>T_NEW_CATALOG - mode</b>	+Mandatory	Multiple	PRODUCT mode=new; if none exists „new“ is assumed	dtSTRING	20	-
<b>T_NEW_CATALOG → PRODUCT (Mandatory, Multiple)</b>							
The element <b>PRODUCT</b> contains the unique product number of the supplier and further sub elements for description, price, packing and multimedia supplementary information.							
Supplier's product ID	<b>SUPPLIER_PID</b>	Mandatory	Single	Contains the product number issued by the supplier. It is determining for ordering the product; it identifies the product in the supplier catalog.	dtSTRING	32	-
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_DETAILS (Mandatory, Single)</b>							
Short description	<b>DESCRIPTION_SHORT</b>	Mandatory	Single	Short, concise product description (capitalization rules, see explanation 5a)	dtML-STRING	150	Yes
Long description	<b>DESCRIPTION_LONG</b>	Optional	Single	Extensive and detailed product description (see explanation 5a)	dtML-STRING	64000	Yes
International product number	<b>INTERNATIONAL_PID</b> type="GTIN"	Optional	Multiple	Indicates the "Global Trade Item Number" GTIN	dtSTRING	100	-
Alternative product number	<b>SUPPLIER_ALT_PID</b>	Optional	Single	Additional (internal) product identifier of the supplier if different to the SUPPLIER_PID	dtSTRING	50	-
Product ID of the buying company	<b>BUYER_PID</b> type="buyer_specific"	Optional	Multiple	Product number used by the buying company	dtSTRING	50	-
Product ID of the manufacturer	<b>MANUFACTURER_PID</b>	Optional	Single	Product ID of the manufacturer	dtSTRING	50	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
Name of manufacturer	<b>MANUFACTURER_NAME</b>	Optional	Single	Name of the manufacturer of the product	dtSTRING	50	-
Manufacturer type description	<b>MANUFACTURER_TYPE_DESCR</b>	Optional	Single	A name for the product which may, in certain circumstances be more widely-known than the correct product name.	dtML-STRING	50	Yes
Special treatment class	<b>SPECIAL_TREATMENT_CLASS</b> <b>type=...</b>	Optional	Multiple	Supplementary classification of a product for dangerous goods, hazardous substances, drugs precursors, radioactive measurement devices etc. Labelling, if the product requires a safety data sheet or not. As well the code for ECCN is transmitted; the attribute "type" sets the special treatment regulation; the value sets the class within the order. Example: (Hazardous Goods Ordinance - Road, heating oil) <SPECIAL_TREATMENT_CLASS type="GGVS">1201 </SPECIAL_TREATMENT_CLASS> (see explanation 5h)	dtSTRING	20	-
Keyword	<b>KEYWORD</b>	Optional	Multiple	Keyword that makes it easier to find the product (see explanation 5b)	dtML-STRING	50	Yes
Remark	<b>REMARKS</b> <b>type="general"</b>	Optional	Multiple	Supplementary remarks of the supplier (e.g. "vertically stackable up to 8 units")	dtML-STRING	64000	Yes
Special product status	<b>PRODUCT_STATUS</b> <b>type=...</b>	Optional	Multiple	This element classifies a product in terms of its special characteristics. The status type is specified by the 'type' attribute. The value of the element reflects the text description of the special characteristics. If a product cannot be mapped to any of the predefined status types (listed below), „others“ must be used. This field is in connection with the field product expiration date (UDX.EDXF.EXPIRATION_DATE).	dtML-STRING	250	Yes



Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				<p>If a product is a discontinued line with expiration date, the value „others“ will be set for the element PRODUCT_STATUS. For the element UDX.EDXF.EXPIRATION_DATE the expiration date has to be indicated additionally.</p> <p>Among others, allowed combinations for ETIM are:</p> <p>&lt;PRODUCT_STATUS type="others"&gt;discontinued&lt;/PRODUCT_STATUS&gt;</p> <p>&lt;PRODUCT_STATUS type="core_product"&gt;core_assortment&lt;/PRODUCT_STATUS&gt; (e.g. household appliances)</p>			
	<i>Bargain</i>	<i>type="bargain"</i>		<i>A bargain is a product offered at a special low price for a limited period of time.</i>			
	<i>Core assortment</i>	<i>type="core_product"</i>		<i>A product which belongs to the core assortment for a particular customer.</i>			
	<i>New</i>	<i>type="new"</i>		<i>A new product is a product which has only just been manufactured (i.e. has not been used).</i>			
	<i>New product</i>	<i>type="new_product"</i>		<i>The product has recently been added to the catalog.</i>			
	<i>Old product</i>	<i>type="old_product"</i>		<i>An old product is a product which can no longer be purchased but which is still displayed in the catalog, for example in order to refer to the follow-up product.</i>			
	<i>Refurbished</i>	<i>type="refurbished"</i>		<i>A refurbished product is a used product that has been specially processed in order to restore it to a condition close to its original condition.</i>			
	<i>Used</i>	<i>type="used"</i>		<i>A used product is a product which has already been in use.</i>			

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
	<i>Other status</i>	<i>type="others"</i>		<i>This status can be used if none of the predefined statuses adequately describe the product.</i>			
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_FEATURES (+Mandatory, Multiple)</b>							
<b>The element PRODUCT_FEATURES contains elements for the classification of products.</b>							
Classification system	<b>REFERENCE_FEATURE_SYSTEM_NAME</b>	+Mandatory	Single	The indication is mandatory in case of ETIM; notation like "ETIM-6.0"	dtSTRING	80	-
Group reference	<b>REFERENCE_FEATURE_GROUP_ID</b>	+Mandatory	Single	Identification code of the ETIM class e.g. „EC001234“; if there is really no existing class in the used ETIM classification version, EC000000 is allowed exceptionally. But EC000000 is <u>not</u> part of the ETIM classification model!	dtML-STRING	60	Yes
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_FEATURES → FEATURE (+Mandatory, Multiple)</b>							
Feature name	<b>FNAME</b>	Mandatory	Single	Identification code of the ETIM feature e.g. „EF001234“	dtML-STRING	60	Yes
Feature value	<b>FVALUE</b>	Mandatory	Multiple	Defined feature values according to the ETIM classification: <ul style="list-style-type: none"> <li>- Number value in case of numeric or range feature</li> <li>- Boolean value in case of logical feature ("true" or "false")</li> <li>- Identification code of the ETIM value e.g. „EV001234“ in case of alpha-numerical feature</li> </ul>	dtML-STRING	60	Yes
Feature Unit	<b>FUNIT</b>	Optional	Single	Unit of measurement of the feature; Standard measuring units should be used; When transferring ETIM classification, the specification of units is not necessary (and	dtSTRING	20	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				usually not desired), because it is already fixed within ETIM			
Supplementary details about the feature value	<b>FVALUE_DETAILS</b>	Optional	Single	<u>Usage a:</u> Explanation of the feature characteristics. A manufacturer specific color can be transmitted here: (polar white, magenta, ash-grey, ..., see explanation 5c) <u>Usage b:</u> Explanation why a specific value will not be transmitted (see explanation 5c)	dtML-STRING	250	Yes
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_ORDER_DETAILS (Mandatory, Single)</b>							
Order unit	<b>ORDER_UNIT</b>	Mandatory	Single	Unit in which the product can be ordered; it is only possible to order multiples of the product unit. For ETIM catalogs, the price also always refers to this unit (or to multiples of it). Example: Crate of mineral water with 6 bottles Order unit: "crate", content unit/unit of the article: "bottle" Packing quantity: "6"	dtPUNIT	3	-
Content of the unit	<b>CONTENT_UNIT</b>	Mandatory	Single	Unit of the product related to the order unit.	dtPUNIT	3	-
Packing quantity	<b>NO_CU_PER_OU</b>	Optional	Single	Number of content units per order unit of the product. If order unit and content unit are identical, the value is always „1“	dtNUMBER	-	-
Price quantity	<b>PRICE_QUANTITY</b>	Optional	Single	A multiple of the order unit indicating to which quantity all the specified prices refer to. The value is always integer for ETIM catalogs. General designation in the ETIM-	dtNUMBER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				environment: "price unit" (e.g. 1, 100, 1000)			
Minimum quantity	<b>QUANTITY_MIN</b>	Optional	Single	Minimum order quantity with respect to the order unit. The value should always be integer because of compatibility to the systems of the data receivers. This minimum order quantity (QUANTITY_MIN) is not the same to the minimum quantity in the sub tree of the packing units (UDX.EDXF.QUANTITY_MIN), even if the numerical value can be the same!	dtFLOAT	-	-
Quantity interval	<b>QUANTITY_INTERVAL</b>	Optional	Single	Number indicating the quantity steps in which the product can be ordered, e.g. »5« The value should furthermore be integer because of compatibility to the systems of the data receivers. This information doesn't have to be the same to the packing unit in the sub tree packing units, even if the numerical value can be the same!	dtFLOAT	-	-
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_PRICE_DETAILS (Mandatory, Multiple)</b>							
<b>The element PRODUCT_PRICE_DETAILS and its sub elements specify the price data.</b>							
Datetime (Valid start date)	<b>DATETIME</b> type="valid_start_date"	+Mandatory	Single	Date for the beginning of the period of validity.	dtDATETIME	10	-
Datetime (Valid end date)	<b>DATETIME</b> type="valid_end_date"	Optional	Single	Date for the end of the period of validity. <u>Used value:</u> <Date> yyyy-mm-dd	dtDATETIME	10	-
Daily price	<b>DAILY_PRICE</b>	Optional	Single	Is used in the ETIM BMEcat to transmit, that a product has no fixed price (prices	dtBOOLEAN	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				on request). In this case "true" has to be transmitted. If products have a fixed price this field is not required. <u>See also 5e "Prices"</u>			
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_PRICE_DETAILS → PRODUCT_PRICE (Mandatory, Multiple)</b>							
Price type	<b>PRODUCT_PRICE type=...</b>	Mandatory	Single	Attribute, which specifies the type of price, e.g. <u>See also 5e "Prices"</u>	dtSTRING	20	-
	<i>List price</i>	<i>type="net_list"</i>		<i>(Purchasing) list price excluding sales tax; discountable list(gross)price</i>			
	<i>Customer price</i>	<i>type="net_customer"</i>		<i>Customer-specific end price excluding sales tax; net purchase price without sales tax</i>			
	<i>Nonbinding recommended price</i>	<i>type="nrp"</i>		<i>Nonbinding recommended (retail) price; suggested retail price incl. sales tax</i>			
Price amount	<b>PRICE_AMOUNT</b>	Mandatory	Single	Amount of the price (0.00 is no valid price, except products without list price, see explanation 5e)	dtNUMBER	-	-
Currency	<b>PRICE_CURRENCY</b>	Optional	Single	Currency of the price; If nothing is specified in this field, the currency defined in the document header (HEADER) in the element CURRENCY is used for all prices.	dtCURRENCIES	3	-
Tax rate	<b>TAX</b>	Optional	Single	Factor for tax applicable to this price »0.19« (is »19%«)	dtNUMBER	-	-
Price factor	<b>PRICE_FACTOR</b>	Optional	Single	The (discount) factor always multiplied by the price specified in this element in order to determine the end price.	dtNUMBER	-	-
Lower quantity limit	<b>LOWER_BOUND</b>	Optional	Single	Lower quantity limit for graduated prices. The unit for the graduated price limit is the order unit (ORDER_UNIT), default value = 1.	dtNUMBER	-	-
Territory	<b>TERRITORY</b>	Optional	Multiple	Territory in which the product price is val-	dtCOUN-	6	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
				id. If not specified, the value from the element TERRITORY of the HEADER is taken.	TRIES		
<b>T_NEW_CATALOG → PRODUCT → MIME_INFO (Optional, Single)</b>							
<b>With the element MIME_INFO references to multimedia supplementary documents of a product can be specified. An infinite number of sub elements MIME can contain. The MIME element refers to a file that is transmitted on a separate way.</b>							
<b>T_NEW_CATALOG → PRODUCT → MIME_INFO → MIME (Mandatory, Multiple)</b>							
MIME type	<b>MIME_TYPE</b>	+Mandatory	Single	Type of the supplementary document. The element is based on MIME types that are common on the internet (see explanation 5f).	dtSTRING	100	-
Source	<b>MIME_SOURCE</b>	Mandatory	Single	The relative path and the file name or URL address. The MIME_SOURCE string is combined with the base path (MIME_ROOT) in the HEADER (see explanation 5f).	dtML-STRING	255	Yes
Designation	<b>MIME_DESCR</b>	Optional	Single	Describes the kind and usage of the MIME document with a code (see explanation 5f).	dtML-STRING	250	Yes
Alternative text	<b>MIME_ALT</b>	Optional	Single	Alternative text used if the file cannot be represented (e.g. by the browser) in the target system.	dtML-STRING	80	Yes
Purpose	<b>MIME_PURPOSE</b>	+Mandatory	Single	Desired purpose of the MIME document on the target system. Guideline data receivers: if you deliver a MIME info at least one picture as MIME_PURPOSE = "normal" has to be delivered (see explanation 5f).	dtSTRING	20	-
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS (+Mandatory, Single)</b>							

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
Short name	<b>UDX.EDXF.MANUFACTURER_ACRONYM</b>	Optional	Single	Short name of the manufacturer	dtSTRING	10	-
Very short description	<b>UDX.EDXF.DESCRPTION_VERY_SHORT</b>	Optional	Single	Very short description of a product e.g. for ERP systems or invoices/delivery notes.	dtML-STRING	40	Yes
Brand name	<b>UDX.EDXF.BRAND_NAME</b>	Optional	Single	A brand name for a specific product, e.g. Supplier = "Master Company", Manufacturer = "Miller", Brand = "Brandy".	dtSTRING	50	-
Tender text	<b>UDX.EDXF.TENDER_TEXT</b>	Optional	Single	Tender text (a defined text for generating comparable competing offers from different bidders looking to obtain a business activity in works, supply, or service contracts).	dtML-STRING	64000	Yes
Validation date product	<b>UDX.EDXF.VALID_FROM</b>	Optional	Single	Date from when the product should become active. This is useful for central databases, where a supplier might submit the product in advance in order to allocate a branch product number. If the product is not tradable at the time of submission, this date indicates when the product is available for trade. Format: yyyy-mm-dd	dtDATETIME	10	-
Expiration date product	<b>UDX.EDXF.EXPIRATION_DATE</b>	Optional	Single	Is given when in the field PRODUCT_STATUS an expiration mark is delivered. Format : yyyy-mm-dd Example: 2015-10-24, which means, that this is the last day, the product can be ordered regular.	dtDATETIME	10	-
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.DISCOUNT_GROUP (Optional, Single)</b>							
Discount group of the manufacturer	<b>UDX.EDXF.DISCOUNT_GROUP_MANUFACTURER</b>	Optional	Single	Discount group key of the manufacturer. <b>At least one group of the manufacturer or the supplier has to be specified; also both discount groups can be given.</b>	dtSTRING	20	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				(A list of all included discount groups with factors and possibly descriptions has to be agreed separately.) If there is no fixed discount group (e.g. all products have the same discount): "no_discount_group" If there is no discount group for this product (net price): „net_price“			
Discount group of the supplier	<b>UDX.EDXF.DISCOUNT_GROUP_SUPPLIER</b>	Optional	Single	Discount group key of the supplier. <b>At least one group of the supplier or the manufacturer has to be specified; also both discount groups can be given.</b> (A list of all included discount groups with factors and possibly descriptions has to be agreed separately.) If there is no fixed discount group (e.g. all products have the same discount): "no_discount_group" If there is no discount group for this product (net price): „net_price“	dtSTRING	20	-
Bonus group of the supplier	<b>UDX.EDXF.BONUS_GROUP_SUPPLIER</b>	Optional	Single	Bonus group key of the supplier. If there is no fixed bonus group the value "no_bonus_group" should be used.	dtSTRING	20	-
Code PKWiU 2008	<b>UDX.EDXF.PKWIU</b>	Optional	Single	Code of the product according to the standard PKWiU 2008 (= Polska Klasyfikacja Wyrobów i Usług), in the format: PKWIU.number, for example: PKWIU.99.12.22.00 (relevant for Poland)	dtSTRING	50	-
Declaration	<b>UDX.EDXF.DECLARATION type=... date=...</b>	Optional	Multiple	Information about several declarations (types are recommended but the list is	dtSTRING	50	-



Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				open!). The element contains the type, the date and the filename of a media asset of type declaration. The reason for this element is higher flexibility in transfer of different PDFs containing declarations like shown in the type attribute list. For future requirements it is easy to enlarge the list. Date of issue of the document in format dtDATETIME yyyy-mm-dd; File name to be referenced because there is more than one media asset of type MIME_DESCR "MD36" (= "Declaration"). Remark: This may be an issue for systems needing a distinct selection; Example: <UDX.EDXF.DECLARATION type="DOP" date="2015-07-01"> myDOP_1526.pdf</UDX.EDXF.DECLARATION>			
	<i>RoHs</i>	<i>type="RoHS"</i>		<i>RoHS declaration</i>			
	<i>DOP</i>	<i>type="DOP"</i>		<i>Declaration of performance</i>			
	<i>DOC CE</i>	<i>type="DOC_CE"</i>		<i>Declaration of conformity CE</i>			
	<i>Guarantee</i>	<i>type="guarantee"</i>		<i>Guarantee statement (A special guarantee statement in which the manufacturer assures, grants or limits the product guarantee.)</i>			
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.ADDITIONAL_FACTORS (Optional, Single)</b>							
Additional factor	<b>UDX.EDXF.ADDITIONAL_PRICE_FACTOR</b>	+Mandatory	Single	In many cases suppliers give more than one discount to their customers.	dtNUMBER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				e.g. 0.95; This element refers to the element "PRICE_FACTOR" in the subtree <T_NEW_CATALOG → PRODUCT → PRODUCT_PRICE_DETAILS → PRODUCT_PRICE>			
Reason	<b>UDX.EDXF.ADDITIONAL_FACTOR_INFO</b>	+Mandatory	Single	Textual information about the price factor.	dtML-STRING	150	Yes
Stock information	<b>UDX.EDXF.PRODUCT_TO_STOCK</b>	Optional	Single	Information if the product is defined as "produced to stock" from the manufacturer or "normally on stock" from a retailer – not the guarantee that the product is ever on stock.	dtBOOLEAN	-	-
Product series	<b>UDX.EDXF.PRODUCT_SERIES</b>	Optional	Multiple	Indication to which product series, e.g. switch program(s) a product belongs (see explanation 5i).	dtML-STRING	50	Yes
Product variation	<b>UDX.EDXF.PRODUCT_VARIATION</b>	Optional	Multiple	Subtype of the product within the product series; e.g. series = "Golf", variation = "GTI"	dtML-STRING	50	Yes
Reverse Charge (Austria)	<b>UDX.EDXF.AT.REVERSE_CHARGE_INFO</b>	Optional	Single	Element only for Austria: Information if this product is subject to "reverse charge". This information is necessary for the Austrian wholesalers for the invoices they give to their customers. The statement here is legally binding!	dtBOOLEAN	-	-
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.COUNTRY_BRANCH_NUMBERS (Optional, Single)</b>							
Branch number	<b>UDX.EDXF.COUNTRY_BRANCH_NUMBER</b> <b>type=... country=...</b>	+Mandatory	Multiple	Country specific branch number. Many products are traded in several markets that have a central branch database. Some products could conceivably exist in several branch databases in a single market. This element allows the supplier to	dtNUMBER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				provide one or more branch- and country specific product numbers. NOTE: Only one branch number may be supplied for each country and branch.			
	<i>type</i>	<i>+Mandatory</i>	<i>Single</i>	<i>The industry to which the branch database number applies.</i> <i>Predefined values:</i> - <i>electrical</i> - <i>HVAC</i> - <i>building</i> - <i>shipbuilding</i>	<i>dtSTRING</i>	<i>20</i>	<i>-</i>
	<i>country</i>	<i>+Mandatory</i>	<i>Single</i>	<i>The country for which the branch number is intended.</i>	<i>dtCOUNTRIES</i>	<i>-</i>	<i>-</i>
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.COUNTRY_BRANCH_SUPPLIER_IDS (Optional, Single)</b>							
Supplier ID	<b>UDX.EDXF.COUNTRY_BRANCH_SUPPLIER_ID</b> <b>type=... country=...</b>	+Mandatory	Multiple	Country and branch specific Supplier ID. Used in conjunction with UDX.EDXF.COUNTRY_BRANCH_NUMBER to transmit the branch specific supplier number. This number is issued by the central branch database.	dtNUMBER	-	-
	<i>type</i>	<i>+Mandatory</i>	<i>Single</i>	<i>The industry to which the Supplier ID applies.</i> <i>Predefined values:</i> - <i>electrical</i> - <i>HVAC</i> - <i>building</i> - <i>shipbuilding</i>	<i>dtSTRING</i>	<i>20</i>	<i>-</i>
	<i>country</i>	<i>+Mandatory</i>	<i>Single</i>	<i>The country for which the Supplier ID is intended.</i>	<i>dtCOUNTRIES</i>	<i>-</i>	<i>-</i>
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.PACKING_UNITS (Optional, Single)</b>							

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Data type	Field length	Lang- specif- ic
<p>Due to the fact that BMEcat<sup>®</sup> 2005 does not allow multiple appearances of sizes like volume, weight, length ... the sub tree is illustrated completely via UDX elements. The UDX sub tree PACKING_UNITS contains information about the different packing units. The sub element PACKING_UNIT can occur multiple. For each product at least the smallest regular PACKING_UNIT has to be indicated. The indication of all additional existing packing units is certainly important. Please be sure to observe the “Examples of packing variants” and the corresponding information in chapter 5i.</p>							
<p>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.PACKING_UNITS → UDX.EDXF.PACKING_UNIT (+Mandatory, Multiple)</p>							
Minimum quantity	UDX.EDXF.QUANTITY_MIN	+Mandatory	Single	Minimum quantity <b>with respect to the order unit (ORDER_UNIT)</b> , beginning with this order quantity, the respective packing unit is used.	dtFLOAT	-	-
Maximum quantity	UDX.EDXF.QUANTITY_MAX	Optional	Single	Maximum quantity <b>with respect to the order unit (ORDER_UNIT)</b> , up to this order quantity, the respective packing unit is used.	dtFLOAT	-	-
Packing unit code	UDX.EDXF.PACKING_UNIT_CODE	+Mandatory	Single	Code for the packing unit; has to be selected from the list of predefined values (see chapter 8).	dtPUNIT	3	-
Packing unit name	UDX.EDXF.PACKING_UNIT_NAME	Optional	Single	Name of the packing unit. In Norway, the following names are valid: f-pak, m-pak, d-pak,t-pak In Sweden, the following values are valid: Bas, Mellan, Topp	dtML-STRING	20	Yes
Package break	UDX.EDXF.PACKAGE_BREAK	Optional	Single	A flag indicating whether a package may be broken.	dtBOOLEAN	-	-
Volume	UDX.EDXF.VOLUME	Optional	Single	Volume of the packing unit in cubic meters (m <sup>3</sup> )	dtNUMBER	-	-
Gross weight	UDX.EDXF.WEIGHT	Optional	Single	Gross weight of the packing unit in kilogram (kg)	dtNUMBER	-	-
Length	UDX.EDXF.LENGTH	Optional	Single	Length of the packing unit in meters (m)	dtNUMBER	-	-
Width	UDX.EDXF.WIDTH	Optional	Single	Width of the packing unit in meters (m)	dtNUMBER	-	-
Depth	UDX.EDXF.DEPTH	Optional	Single	Depth of the packing unit in meters (m)	dtNUMBER	-	-
Diameter	UDX.EDXF.DIAMETER	Optional	Single	Diameter of the packing unit in meters (m)	dtNUMBER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
GTIN/EAN code	<b>UDX.EDXF.GTIN</b>	Optional	Single	GTIN (formerly EAN code) of packing unit	dtSTRING	14	-
GS1_128	<b>UDX.EDXF.GS1_128</b>	Optional	Single	GS1-128 is an application standard of the GS1 implementation using the Code 128 barcode specification. GS1-128 uses a series of Application Identifiers to include additional data such as best before dates, batch numbers, quantities, weights and many other attributes needed by the user.	dtSTRING	48	-
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.PRODUCT_LOGISTIC_DETAILS (Optional, Single)</b>							
Net weight	<b>UDX.EDXF.NETWEIGHT</b>	Optional	Single	Net weight of the product in kilograms in reference to one ORDER_UNIT, e.g. cable duct per 1 m.	dtNUMBER	-	-
Region of origin	<b>UDX.EDXF.REGION_OF_ORIGIN</b>	Optional	Single	Description of the region according to >>ISO-3166-2<< (Country Subdivision Codes). Region codes must be written in capital letters.	dtSTRING	10	-
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.REACH (Optional, Single)</b>							
Date	<b>UDX.EDXF.REACH.LISTDATE</b>	Optional	Single	Date, on which the product was checked by the manufacturer for REACH Format: yyyy-mm-dd If "no data" is delivered in the following field UDX.EDXF.REACH.INFO the date of the catalog production has to be given here.	dtDATE	10	-
REACH info	<b>UDX.EDXF.REACH.INFO</b>	+Mandatory	Single	Indication, if the product contains a "SVHC = substance of very high concern" in a concentration of more than 0.1 mass percentage (referring to the candidates/substances that were published by ECHA at the previous given date). Possible values:	dtSTRING	10	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				<ul style="list-style-type: none"> <li>- true contains substances &gt; 0.1 mass percentage</li> <li>- false do not contain substances &gt;0.1 mass percentage</li> <li>- no data if REACH info is not yet available for a certain product</li> </ul> <p>If "true" is given, a deep link at info is mandatory (see explanation 5g). The indication only refers to the check at the given date and says explicit nothing about products that were already delivered to the data receiver or about products that will be delivered in the future (valid is always the indication on the delivery note)</p>			
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.SURCHARGE_LIST (Optional, Single)</b>							
<p>The sub element UDX.EDXF.SURCHARGE_LIST specifies the transmission of surcharge data of a product (e.g. primary materials like copper, brass, WEEE-charge etc.). The surcharge data can be given multiple if a product contains several metals. The information about surcharges is country specific and must be defined in detail between a data supplier and a data receiver. Based on these surcharge rules, the necessary elements of the ETIM BMEcat has to be selected, incl. their combination. Please note the additional examples and further explanations that are listed below.</p>							
<b>T_NEW_CATALOG → PRODUCT → USER_DEFINED_EXTENSIONS → UDX.EDXF.SURCHARGE_LIST → UDX.EDXF.SURCHARGE (+Mandatory, Multiple)</b>							
Type of surcharge	<b>UDX.EDXF.SURCHARGE_TYPE</b>	+Mandatory	Single	<p>As possible, the suggested English values for this element must be used. If there is no value for a required type of surcharge, the data supplier is free to create an own text. As possible, also in English. Suggested values for primary materials:</p> <ul style="list-style-type: none"> <li>- copper</li> </ul>	dtSTRING	20	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				<ul style="list-style-type: none"> <li>- MK copper (= processed copper)</li> <li>- aluminium</li> <li>- lead</li> <li>- silver</li> <li>- brass</li> <li>- gold</li> <li>- platinum</li> </ul> Suggested values for other surcharges: <ul style="list-style-type: none"> <li>- packaging</li> <li>- insurance</li> <li>- dearness</li> <li>- recycling</li> <li>- recycling WEEE</li> <li>- SLRS (recycling fee for luminaires, lamps etc.)</li> <li>- SENS (recycling fee for household appliances or similar)</li> <li>- SWICO (recycling fee for office equipment or similar)</li> <li>- INOBAT (battery recycling)</li> <li>- VOC (Volatile organic compounds)</li> </ul>			
Manner of surcharge	<b>UDX.EDXF.SURCHARGE_MANNER</b>	Optional	Single	Manner of surcharge base / cumulated. Allowed values: „base“ or „cumulated“. „base“ is the value calculated by the PRODUCT_PRICE. “cumulated“ is suitable when an up- or down stroke is already made by an additional UDX.EDXF.SURCHARGE_LIST	dtSTRING	10	-
Surcharge factor	<b>UDX.EDXF.SURCHARGE_PERCENTAGE</b>	Optional	Single	On the product price, a percentage surcharge is calculated. Example: 0.05 (corresponds to 5%) This must not be given if material weight is specified. If a step size is specified either the surcharge factor or the surcharge price	dtNUMBER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				amount must be indicated.			
Surcharge price amount	<b>UDX.EDXF.SURCHARGE_PRICE_AMOUNT</b>	Optional	Single	On the product price, a surcharge price amount is calculated. Example: 0.02 (corresponds to 2 cents) This must not be given if material weight is specified. If a step size is specified either the surcharge price amount or the surcharge factor must be indicated.	dtNUMBER	-	-
Type of calculation	<b>UDX.EDXF.SURCHARGE_CALCULATION</b>	Optional	Single	Describes if the surcharge that is indicated at UDX.EDXF.SURCHARGE_PERCENTAGE must be calculated on base of the gross list price (net_list) or the net price (net_customer respectively gross price ./ discount): 1 = gross price 2 = net price If no value is given, the gross price (1) will be assumed. This only has to be declared if UDX.EDXF.SURCHARGE_PERCENTAGE is given.	dtNUMBER	-	-
Material basis	<b>UDX.EDXF.MATERIAL_BASIS</b>	Optional	Single	Material basis must be specified for calculating primary material surcharges. This element is mandatory if a material basis is defined by the data supplier. An amount in €/100 kg, basic quotation of the primary material is already included in the price. Example: Flexible cable CU 150€/100kg Medium voltage power cable CU 000€/100kg (respectively another currency depending on the country)	dtNUMBER	-	-
Material weight	<b>UDX.EDXF.MATERIAL_BASIS_WEIGHT</b>	Optional	Single	Material weight for the surcharge in gram/price reference quantity (PRICE_ -	dtNUMBER	-	-



Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang.-specific
				QUANTITY). This must not be given if step size is specified.			
Step size	<b>UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD</b>	Optional	Single	Step size as triggering moment for the calculation of the surcharge with surcharge factor or amount. This must not be given if material weight is specified. If this value is indicated, UDX.EDXF.SURCHARGE_PERCENTAGE or UDX.EDXF.SURCHARGE_PRICE_AMOUNT must be specified.	dtNUMBER	-	-
Step triggering	<b>UDX.EDXF.MATERIAL_BASIS_SURCHARGE_SHUTTER</b>	Optional	Single	Description at which point the step is triggered: 1 = per started 2 = per finished if no value is indicated, finished step (2) will be assumed	dtNUMBER	-	-
Surcharge/credit	<b>UDX.EDXF.MATERIAL_BASIS_SURCHARGE_CREDIT</b>	Optional	Single	Describes if only a surcharge or a surcharge/credit takes place: 1 = only surcharge 2 = surcharge/credit if no value is indicated, surcharge (1) will be assumed	dtNUMBER	-	-
Surcharge/table	<b>UDX.EDXF.MATERIAL_BASIS_SURCHARGE_TABLE</b>	Optional	Single	Information about the reference to a surcharge table of a product	dtML-STRING	50	Yes
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_REFERENCE (Optional, Multiple)</b>							
Reference type	<b>PRODUCT_REFERENCE type=...</b>	+Mandatory	Single	Describes the relationship between the two products. For the permitted values for the attribute of PRODUCT_REFERENCE see chapter 5f.	dtSTRING	20	-
Quantity	<b>PRODUCT_REFERENCE</b>	Optional	Single	Describes how many products are being	dtINTEGER	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
	quantity=...			referenced.			
Reference product	<b>PROD_ID_TO</b>	+Mandatory	Single	Unique number of the product to which a reference is made.	dtSTRING	32	-
Catalog ID	<b>CATALOG_ID</b>	Optional	Single	Unique catalog identification, if the referenced product is not listed in the same catalog.	dtSTRING	20	-
Catalog Version	<b>CATALOG_VERSION</b>	Optional	Single	Version number of the referenced product catalog.	dtSTRING	7	-
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_LOGISTIC_DETAILS (Optional, Single)</b>							
<b>T_NEW_CATALOG → PRODUCT → PRODUCT_LOGISTIC_DETAILS → CUSTOMS_TARIFF_NUMBER (Optional, Multiple)</b>							
Customs number	<b>CUSTOMS_NUMBER</b>	+Mandatory	Single	Product number for the index of goods of the foreign trade statistics. It matches with the first 8 digits of the code number of the customs tariff of the applicable trade item. Only current custom numbers are allowed (acc. to SOVA master file).	dtSTRING	60	-
Statistics factor	<b>STATISTICS_FACTOR</b>	Optional	Single	Factor that transform the order unit into the unit of measurement that is necessary for the foreign trade statistics. In this example 3 m long pipes could be ordered (order unit = piece). The foreign trade statistics requires the unit meter; therefore, the factor is 3. On base of this factor and the order unit also calculation factors for different sales units can be derived.	dtNUMBER	-	-
Country of origin	<b>COUNTRY_OF_ORIGIN</b>	Optional	Multiple	Country codes acc. to >>ISO-3166-1<< e.g.: >>DE<< (for Germany) >>NL<< (for Netherlands)	dtCOUNTRIES	2	-

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Data type	Field length	Lang- specif- ic
				Ensure the usage of capital letters. The indication >>CE<< (European Union) is not allowed.			

### c. Transaction T\_UPDATE\_PRODUCTS

This transaction updates product data. The transferred products are either added to/deleted from the target system or the complete product data record is replaced by a new one.

A product identification (see attribute "PRODUCT -->mode in context T\_UPDATE\_PRICES" in PRODUCT in context T\_UPDATE\_PRICES (in context T\_UPDATE\_PRODUCTS)) indicates whether the product should be added, deleted or modified.

The product is always replaced completely; it is not possible to change individual data fields of a product.

In this transaction, only the transfer of product data, but not of classification systems is possible.

The transferred CATALOG\_ID of the relevant supplier (SUPPLIER\_NAME) and the CATALOG\_VERSION to which it belongs must already be present in the target system. The attribute "T\_UPDATE\_PRODUCTS -->prev\_version" must be set to 0 with the first transaction type after T\_NEW\_CATALOG (T\_UPDATE\_PRODUCTS, T\_UPDATE\_PRICES).

Eventually, it is increased by 1 with each transaction of this sort.

#### Elements

T_UPDATE_PRODUCTS (Mandatory, Single)							
Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
Transaction	<b>T_UPDATE_PRODUCTS – previous version</b>	Mandatory	Single	This attribute contains the number of previous updates or the number of the transferred updates (not the last version number). Counting begins at 0 after each T_NEW_CATALOG within the same version.	-	-	-
T_UPDATE_PRODUCTS → PRODUCT (Mandatory, Multiple)							
Product	<b>PRODUCT in context T_UPDATE_PRODUCTS - mode</b>	Mandatory	Multiple	Information about a product. Determines how the transferred data should be processed by the target system. Permitted values: - delete (The product will be deleted in the target system. All other data transferred with the product will be ig-	-	-	-

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Data type	Field length	Lang-specific
				nored.) - new (The product does not exist in the target system and will be inserted.) - update (The product already exists in the target system. The data fields will be completely replaced. Updating single data fields is not possible.)			
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_DETAILS (Mandatory, Single)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_FEATURES (Optional, Multiple)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_ORDER_DETAILS (Mandatory, Single)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_PRICE_DETAILS (Mandatory, Multiple)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → MIME_INFO (Optional, Multiple)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → USER_DEFINED_EXTENSIONS (Optional, Single)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_REFERENCE (Optional, Multiple)</b>							
<b>T_UPDATE_PRODUCTS → PRODUCT → PRODUCT_LOGISTIC_DETAILS (Optional, Single)</b>							

If the transfer mode for the T\_UPDATE\_PRODUCTS transaction is set in a not allowed way, the following procedure is recommended:

- Mode new: Product already exists in the target system → Error, do not import, product remains unchanged in the target system
- Mode update: Product does not exist in the target system → Warning
- Mode delete: Product does not exist in the target system → Warning

#### d. Transaction T\_UPDATE\_PRICES

This transaction transfers new price information on products to the target system. All prices on the corresponding products already in the target system are deleted and replaced with the new prices. Essentially, the transaction consists of the **SUPPLIER\_PID** and **PRODUCT\_PRICE\_DETAILS** elements.

#### Elements

T_UPDATE_PRICES (Mandatory, Single)							
Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Data type	Field length	Lang- specif- ic
Transaction	<b>T_UPDATE_PRICES – previous version</b>	Mandatory	Single	This attribute contains the number of previous updates or the number of the transferred updates (not the last version number). Counting begins at 0 after each T_NEW_CATALOG within the same version.	-	-	-
T_UPDATE_PRICES → PRODUCT (Mandatory, Multiple)							
Product	<b>PRODUCT in context T_UPDATE_PRICES - mode</b>	Mandatory	Multiple	Information about a product. Determines how the transferred data should be processed by the target system (insert, update, delete); In the transaction T_UPDATE_PRICES, determine the transfer mode is not necessary, otherwise it is always 'update'.	-	-	-
T_UPDATE_PRICES → PRODUCT → PRODUCT_PRICE_DETAILS (Mandatory, Multiple)							
T_UPDATE_PRICES → PRODUCT → USER_DEFINED_EXTENSIONS (Optional, Single)							

---

## 5. Explanation

### a. Product description

The short description (DESCRIPTION\_SHORT) describes the product short and concise to recognize in its kind and function among a large quantity of products - preferably unambiguous.

It is not used to characterize it technically unique or highlight it among similar products. Unclear abbreviations or codes should be avoided.

BMEcat<sup>®</sup> 2005 allows here 150 characters (versus max. 80 characters in BMEcat 1.2). If a data supplier wants to provide more than 80 characters, it should be noticed that the text can be automatically cut off by the data receiver after 80 characters (depending on the data receiver's requirements of the target system also less than 80 characters are processed).

#### **Examples for desired short descriptions:**

Surge arrester 1-pole 180 V AC

Junction box S-Color grey

Feed-through terminal block 2.5 mm<sup>2</sup> blue

#### **Examples for undesired short descriptions:**

- Junct. box. gr. S-Color

- Leakage-circuit breaker F374-25/0.03/400Hz

- Normline HV150

The long description (DESCRIPTION\_LONG) is used to present product features that are not presentable by the structured data. (DESCRIPTION\_SHORT, Type, ETIM).

Here is also the possibility to communicate manufacturer specific benefits of a product.

#### **Example for a desired long description:**

Automatic luminaire with integrated movement sensor and 200° detection range, 360° creep-under protection for a gap free detection, weather-proof, painted surface, glass with semi-gloss optic, additional switching output for the connection of further luminaries, covered connection socket with large wiring space, double pipe-in lead for an easy and fast assembly, adjustment of the detection range by rotating lens and electronic calibration.

---

**For the text fields that are used in the ETIM BMEcat the given targets in no. 3b of this guideline (General guidelines for catalog content) must be strictly observed!**



---

## b. Keywords

Keywords (also search term or synonym) are alternative terms for the short description and are used to find products easier in electronic search systems. The data receivers expect here short and concise terms that are used by the customers customary to declare exactly the single product. They can be supplied in singular and/or plural form. It is not allowed to transmit the short description (DESCRIPTION\_ SHORT) here again. Manufacturer specific terms that are well known on the market are permitted here. It is desired that several keywords (if possible) per product are supplied in separated tags. Punctuation marks should not be used in the tags. Keywords should consist of one word, sentence constructions are not allowed.

It is not desired to transmit the ETIM class keywords here again as manufacturer specific product keywords. If individual ETIM class keywords match to the particular product, they can be used nevertheless in the BMEcat. Important is, that the keywords specified per product are suitable to the particular product (the keyword "Combination pliers" would be not correct for the product "Grip pliers").

### **Examples for desired keywords:**

Cross switch  
Bulb  
Dulux-Lamp  
Levelled pipe wrench

### **Examples for undesired keywords:**

EIB, lamps  
EV-240  
Aurora-Line  
Tongs for treating thick-walled corrugated steel conduit

---

### c. Classification und features

Using the element PRODUCT\_FEATURES a product is classified, i.e. assigned to a group in various classification or feature group systems (in our case e.g. ETIM version 6.0). Furthermore in the element PRODUCT\_FEATURES features of a product are specified. Features are data objects that can be used to describe features of a product like color, nominal voltage, type of socket etc. These features are determined partially by so-called feature strips by the referenced classification and feature group system. In this case, the elements FEATURE is embedded in the corresponding element PRODUCT\_FEATURES of the related classification and feature group system. In addition to the rules specified in the BMEcat<sup>®</sup> Version 2005, the following tightening is made for the transmission of the ETIM product classification.

#### **ETIM Tightening/Explanation:**

If a product is assigned to an ETIM class, all attributed features of this class have to be transmitted in the BMEcat file. If a value cannot be assigned (e.g. diameter of a rectangular product), the minus sign “-“ must be delivered.

If a minus sign “-“ is chosen, the data supplier has the opportunity to specify the reason in the element FVALUE\_DETAILS as following:

- NA – Not applicable (this feature is not applicable in the context of a product in this class)
- MV – Missing value (an alphanumeric feature is relevant, but there is no correct value existing in this ETIM version)
- UN – Unknown (currently, the data supplier is not able to deliver a specific value; but basically it is possible)

This applies to all feature types of the ETIM data model:

- A – Alphanumeric
- N – Numeric
- R – Range
- L – Logic

---

### Indication of manufacturer specific colors in the ETIM BMEcat:

With the field FVALUE\_DETAILS, more precise information to the color of a product defined in the ETIM model should be made if necessary and useful. Especially in the product ranges Domestic switching devices, Luminaries, Cable ducts or Small household appliances the indication is important and should be transmitted by the manufacturer in the ETIM BMEcat. So here are meant all alphanumeric features in ETIM that have the word “colour” (or “color”) in their names.

e.g. Color of a Cover frame for domestic switching devices

```
<FEATURE>  
  <FNAME>EF000007</FNAME>  
  <FVALUE>EV000080</FVALUE>  
  <FVALUE_DETAILS>azure blue</FVALUE_DETAILS>  
</FEATURE>
```

EF000007 = „Colour“

EV000080 = „Blue“

---

The indication of logical features can only be made by „true“ or „false“ (lowercase!), „yes“ and „no“ are not permitted.

With range fields, two tags for the both values should be given in accordance to the BMEcat specification:

<FVALUE>-15</FVALUE>

<FVALUE>100</FVALUE>>,

the presentment

<FVALUE>-15 to 100</FVALUE> or

<FVALUE>-15 - 100</FVALUE>

is incorrect.

If both values are identical, they are also indicated in two separate tags.

e.g. frequency 50 Hz fix:

<FVALUE>50</FVALUE>

<FVALUE>50</FVALUE>

It is recommended to sort the 2 range values within the BMEcat file (if different). The lower value should be delivered first.

The fields type „Alphanumeric“ defines a feature for which a value list exists in the ETIM model. Only the indication of codes that are part of this particular ETIM list are allowed (e.g. “EV000123”), the indication of free text is not possible here.

### **Recommendation to set articles:**

For set articles consisting of a number of individual articles and therefore not clearly related to an ETIM-class, the set can be assigned to the class of the main article (reasonably the manufacturer of the set article takes this decision).

Except for the classification according to ETIM, in principal other classifications can be transferred in a BMEcat in addition (e.g. eCI@ss, proficl@ss, UNSPSC, company specific classifications).

---

## d. Order

The element PRODUCT\_ORDER\_DETAILS contains elements which indicate details of the order conditions and packing modalities. At the moment, order information in the BMEcat can only be transferred clearly and save by the fields ORDER\_UNIT and PRICE\_QUANTITY in the way described below.

### Examples

#### Spray tin 200ml (billing per tin)

```
<ORDER_UNIT>TN</ORDER_UNIT>
<CONTENT_UNIT>MLT</CONTENT_UNIT>
<NO_CU_PER_OU>200</NO_CU_PER_OU>
<PRICE_QUANTITY>1</PRICE_QUANTITY>
<QUANTITY_MIN>6</QUANTITY_MIN>
<QUANTITY_INTERVAL>6</QUANTITY_INTERVAL>

<PRICE_AMOUNT>1.90</PRICE_AMOUNT>
```

#### Fitting screw (billing per unit)

```
<ORDER_UNIT>C62</ORDER_UNIT>
<CONTENT_UNIT>C62</CONTENT_UNIT>
<NO_CU_PER_OU>1</NO_CU_PER_OU>
<PRICE_QUANTITY>100</PRICE_QUANTITY>
<QUANTITY_MIN>100</QUANTITY_MIN>
<QUANTITY_INTERVAL>100</QUANTITY_INTERVAL>

<PRICE_AMOUNT>5.80</PRICE_AMOUNT>
```

---

**Cable tray****(billing per meter)**

<ORDER\_UNIT>**MTR**</ORDER\_UNIT>  
<CONTENT\_UNIT>**MTR**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**1**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**3**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**3**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**21.90**</PRICE\_AMOUNT>

**Miniature fuse****(billing per unit)**

<ORDER\_UNIT>**C62**</ORDER\_UNIT>  
<CONTENT\_UNIT>**C62**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**1**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**100**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**10**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**10**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**18.40**</PRICE\_AMOUNT>

**Steel strip****(billing per meter)**

<ORDER\_UNIT>**MTR**</ORDER\_UNIT>  
<CONTENT\_UNIT>**MTR**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**1**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**25**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**25**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**5.20**</PRICE\_AMOUNT>

---

**Mignon alkaline battery**

(billing per blister; the unit “blister” is not part of the ECE list and so cannot be used independently, for this reason, the unit PA = packet must be used)

<ORDER\_UNIT>PA</ORDER\_UNIT>  
<CONTENT\_UNIT>C62</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>4</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>1</PRICE\_QUANTITY>  
<QUANTITY\_MIN>1</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>1</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>2.24</PRICE\_AMOUNT>

**Cable ties**

(billing per unit)

<ORDER\_UNIT>C62</ORDER\_UNIT>  
<CONTENT\_UNIT>C62</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>1</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>100</PRICE\_QUANTITY>  
<QUANTITY\_MIN>100</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>100</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>6.75</PRICE\_AMOUNT>

**Installation duct**

(billing per meter)

<ORDER\_UNIT>MTR</ORDER\_UNIT>  
<CONTENT\_UNIT>MTR</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>1</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>1</PRICE\_QUANTITY>  
<QUANTITY\_MIN>2</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>2</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>5.60</PRICE\_AMOUNT>

---

**Test badge****(billing per packet)**

<ORDER\_UNIT>**PA**</ORDER\_UNIT>  
<CONTENT\_UNIT>**ST**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**10**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**1**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**1**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**26.56**</PRICE\_AMOUNT>

**Chipboard screw countersunk head****(billing per box)**

<ORDER\_UNIT>**CS**</ORDER\_UNIT>  
<CONTENT\_UNIT>**C62**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**200**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**1**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**1**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**10.80**</PRICE\_AMOUNT>

**Speaker cable****(billing per meter)**

<ORDER\_UNIT>**MTR**</ORDER\_UNIT>  
<CONTENT\_UNIT>**MTR**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**1**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**100**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**100**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**100**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**39.50**</PRICE\_AMOUNT>



---

**House wiring cable PVC insulated  
(100m ring, billing per 1,000 meter)**

<ORDER\_UNIT>**MTR**</ORDER\_UNIT>  
<CONTENT\_UNIT>**MTR**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**1**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1000**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**100**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**100**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**490.00**</PRICE\_AMOUNT>

**Heat-shrink tubing  
(billing per unit)**

<ORDER\_UNIT>**C62**</ORDER\_UNIT>  
<CONTENT\_UNIT>**MTR**</CONTENT\_UNIT>  
<NO\_CU\_PER\_OU>**12**</NO\_CU\_PER\_OU>  
<PRICE\_QUANTITY>**1**</PRICE\_QUANTITY>  
<QUANTITY\_MIN>**1**</QUANTITY\_MIN>  
<QUANTITY\_INTERVAL>**1**</QUANTITY\_INTERVAL>  
  
<PRICE\_AMOUNT>**19.35**</PRICE\_AMOUNT>

## e. Prices

With the element PRODUCT\_PRICE\_DETAILS price data of a product are specified. With the attribute “price\_type” of the element PRODUCT\_PRICE it is possible to indicate different prices for a product. Only one single price is permitted per PRODUCT\_PRICE.price\_type and LOWER\_BOUND. The data receivers expect here the list(gross)price (attribute “net\_list”, discountable) without sales tax and/or a customer specific special purchase price (attribute „net\_customer“) for the data receiver without sales tax and/or the suggested retail price incl. sales tax (attribute „nrp“). A customer specific special purchase price can only be given if it differs from the calculated price „net\_list less discount”.

With the transaction T\_UPDATE\_PRICES it is as well possible to transmit customer specific prices.

### Example for the illustration of several prices

```
<PRODUCT_PRICE_DETAILS>
  <DATETIME type="valid_start_date">
    <DATE>2015-01-01</DATE>
  </DATETIME>
  <PRODUCT_PRICE price_type="net_list">
    <PRICE_AMOUNT>61.1</PRICE_AMOUNT>
    <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
    <TAX>0.19</TAX>
    <LOWER_BOUND>1</LOWER_BOUND>
  </PRODUCT_PRICE>
  <PRODUCT_PRICE price_type="net_list">
    <PRICE_AMOUNT>53.8</PRICE_AMOUNT>
    <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
    <TAX>0.19</TAX>
    <LOWER_BOUND>10</LOWER_BOUND>
  </PRODUCT_PRICE>
  <PRODUCT_PRICE price_type="net_customer">
    <PRICE_AMOUNT>48.7</PRICE_AMOUNT>
    <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
    <TAX>0.19</TAX>
    <LOWER_BOUND>1</LOWER_BOUND>
  </PRODUCT_PRICE>
</PRODUCT_PRICE_DETAILS>
```

---

### Example for the transmission of products without prices

If there are no list prices for some products (e.g. price on request), these products can be transmitted in the ETIM BMEcat anyway like described here:

```
<PRODUCT_PRICE_DETAILS>
  <DATETIME type="valid_start_date">
    <DATE>2015-07-01</DATE>
  </DATETIME>
  <DAILY_PRICE>true</DAILY_PRICE>
  <PRODUCT_PRICE price_type="net_list">
    <PRICE_AMOUNT>0</PRICE_AMOUNT>
    <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
    <TAX>0.19</TAX>
    <LOWER_BOUND>1</LOWER_BOUND>
  </PRODUCT_PRICE>
</PRODUCT_PRICE_DETAILS>
```

Greatest care has to be taken that the transmission in the ETIM BMEcat is exactly given as mentioned above. Especially important at this point is the element "DAILY\_PRICE" (with the indication "true") as a mark for a product without a current list price.

## f. Pictures and other additional documents

With the element MIME\_INFO references to additional multimedia documents of a product can be specified. This makes it possible, for example, to reference images and product data sheets of a product at a catalog data exchange.

It is assumed that these supplementary data will be transmitted in addition (on a separate path) and can be found relative to the specified directory MIME\_ROOT in the HEADER. The file names of the MIME objects may not be distinguishable only by the path statement. They also can not contain special characters. This also includes: „ “ / \ = ? \* , < > | ; : +

The element MIME\_INFO contains any number of MIME elements. Each of these elements represents exactly one reference to a supplementary document. The definition of the element MIME is inspired by the MIME format (Multipurpose Internet Mail Extensions). The MIME format is used to standardize data transfer over the internet.

### Predefined, suggested values for the element MIME\_TYPE:

Designation	Attribute value	Explanation
URL	url	Link to a resource on the internet (or intranet); this is not an official MIME type, but should still be used here
PDF document	application/pdf	(local) Acrobat PDF format
JPEG	image/jpeg	(local) picture/graphic in the format JPEG
TIF	image/tif	(local) picture/graphic in the format TIF
GIF	image/gif	(local) picture/graphic in the format GIF
EPS	image/eps	(local) picture/graphic in the format EPS (but only as a <u>supplementary</u> picture)
PNG	image/png	(local) picture/graphic in the format PNG
MP4	video/mp4	(local) video in the format MP4
FLV	video/flv	(local) video in the format FLV
URLvideo	video/url	Link to a video resource on the internet (or intranet); this is not an official MIME type, but should still be used here
HTML	text/html	(local) document in the format HTML (within the catalog file system)
Text	text/plain	(local) unformatted text file
Idt	application/ldt	EULUMDAT format for specification of photometric data

When using URLs, a link to a product related single page is recommended.

**Suggested values for the element MIME\_DESCR:**

Due to the fact that the predefined fields of the BMEcat do not provide enough MIME\_PURPOSEs for the current requirements, the field MIME\_DESCR has to deliver the more precise characterization of the document type. One of the following codes must be used.

Code MIME_DESCR	Designation
MD01	Product picture
MD02	Similar figure
MD03	Safety data sheet
MD04	Deep link product page
MD05	Deep link REACH
MD06	Energy label
MD07	Product data sheet for energy label
MD08	Calibration certificate
MD09	Certificate
MD10	Circuit diagram
MD11	Construction Products Regulation
MD12	Dimensioned drawing
MD13	Environment label
MD14	Instructions for use
MD15	Light cone diagram
MD16	Light Distribution Curve
MD17	Logo 1c
MD18	Logo 4c

Code MIME_DESCR	Designation
MD19	Luminaire data
MD20	Milieu picture
MD21	Mounting instruction
MD22	Product data sheet
MD23	Product picture back view
MD24	Product picture bottom view
MD25	Product picture detailed view
MD26	Product picture front view
MD27	Product picture sloping
MD28	Product picture top view
MD29	Product picture view from the left side
MD30	Product picture view from the right side
MD31	Seal of approval
MD32	Technical manual
MD33	Test approval
MD34	Wiring diagram
MD35	Supplier's declaration for products having preferential origin status
MD36	Declaration
MD99	Others

**The size of pictures:**

**The best existing quality of a picture should be delivered.**

**Absolutely minimum requirement: 300 pixels (only relevant for raster images, not for vector images).**

**Notice:** Pictures in the format .tif have to be delivered with the transparency path or masked!

**MIME\_PURPOSE could be (acc. to BMEcat® 2005):**

Designation	Attribute value	Description
Screen view (normal view)	normal	Normal picture (for usage on the internet and CD-ROM, 24-Bit, RGB, JPEG)
Small view	thumbnail	Preview picture small (24-Bit, RGB, JPEG)
Print picture (enlarged view)	detail	Enlarged picture (for print catalogs, 32-Bit, CMYK, TIF)
Logo	logo	Logo to a product or a supplier
Others	others	Other purpose. If no other value is suitable, others can be used.
Product data sheet	data_sheet	Product data sheet (e.g. a technical drawing)
Symbol	icon	Small pictogram e.g. for description of fulfilled norms and standards
Safety data sheet	safety_data_sheet	Safety data sheet (e.g. for hazardous materials)

The data receivers expect at least two pictures for each product according to the following specifications:

Once the combination:

MIME\_DESCR = "MD01" (Product picture) or "MD02" (Similar figure)

MIME\_PURPOSE = "normal"

MIME\_TYPE="image/jpeg"

Exactly this combination represents the "standard picture" of a product and therefore may occur only once per product in the BMEcat.

Once the combination:

MIME\_DESCR = "MD01" (Product picture) or "MD02" (Similar figure)

MIME\_PURPOSE = "detail"

MIME\_TYPE="image/tif"

It is important to ensure that the supplied picture fits to the product content wise. In exceptional cases, if product can only be represented by the picture of a related product, the MIME description "MD02" (Similar figure) can be used generally.

---

Further pictures and documents can and should be delivered in addition, however, not with the indications used for the standard picture.

If there is no picture available for a product, this part of the MIME part is to skip. Not permitted is the delivery of picture data that contains written or graphical information "Picture not available".

If safety data sheets are mandatory to certain products, they have to be delivered on this way.

MIME\_PURPOSE = safety\_data\_sheet

MIME\_DESCR = MD03 (i.e. "Safety data sheet")

The "Energy label" should be delivered in format jpg. A "product data sheet for energy label" must be supplied together with the label (Regulation EU 518/2014 of the European Commission). The necessary information depends on the product category.

**Permitted values for the attribute “type” of the element PRODUCT\_REFERENCE (acc. to BMEcat® 2005):**

Designation	Attribute value	Explanation
Accessories	accessories	The reference product listed under PROD_ID_TO is an accessory product of the source product. An accessory product is considered to extend the functionality of the source product.
Base product	base_product	The reference product listed under PROD_ID_TO is the base product of the source product, thus the base product is an abstract, packing-independent description of the source product
Component part	consists_of	The reference product listed under PROD_ID_TO is a component part of this source product. This type of reference can be used to build up parts lists. Reference is always made from the parent part to the parts it consists of. In order to reference the number of reference parts contained, the attribute "quantity" can be added.
Follow-up article	followup	The reference product listed under PROD_ID_TO is the follow-up product to this source product. A follow-up product is defined as a product which has the same purpose and functions as the source product and can be considered a more advanced version of it.
Mandatory additional product	mandatory	The reference product listed under PROD_ID_TO is a mandatory additional product which must always be ordered at the same time as the product article. The source product described cannot be ordered alone. If several products are marked "mandatory" they must all be ordered together with the source product.
Similar product	similar	The reference product listed under PROD_ID_TO is similar to this source product. A similar product is defined as a product which is similar in purpose and functions to the source product and can possibly be used in its place.
Selectable mandatory product	select	The reference product listed under PROD_ID_TO is a selectable additional product. The described reference product cannot be ordered alone. If several products are connected by "select" at least one of the additional products for the source product listed under PROD_ID_TO must be ordered.
Spare part	sparepart	The reference product listed under PROD_ID_TO is a spare part for this source product. A spare part is defined as a part of the product that can be replaced separately in the course of maintenance and repair activities.
Other reference type	others	This reference type can be used if none of the other reference types adequately describes the relationship between the reference product and the source product.



### Examples for some PRODUCT\_REFERENCE's:

- **base\_product**

Source product = six pack of beer; base product = beer without any packing information

- **consists\_of**

It must be specified that a table with the SUPPLIER\_PID "Table 1" consists of one table top with the SUPPLIER\_PID "Table top 5" and four table legs with the SUPPLIER\_PID "Leg 7".

```
<PRODUCT>
  <SUPPLIER_PID>Table 1</SUPPLIER_PID>
  ...
  <PRODUCT_REFERENCE type="consists_of" quantity="1">
    <PROD_ID_TO>Table top 5</PROD_ID_TO>
  </PRODUCT_REFERENCE>
  <PRODUCT_REFERENCE type="consists_of" quantity="4">
    <PROD_ID_TO>Leg 7</PROD_ID_TO>
  </PRODUCT_REFERENCE>
</PRODUCT>
```

other examples:

- Cooker consists of Baking oven and Hob
- Storage heater consists of Housing, Heating element and Stones

- **follow-up**

```
<PRODUCT_REFERENCE type="followup"
  <PROD_ID_TO>4711</PROD_ID_TO>
</PRODUCT_REFERENCE>
```

---

## g. Deep linking

Manufacturer specific, product related information should be available for direct access by „deep linking“ via a provided URL. Navigation elements are not allowed on the target page. A price orientation should be avoided.

In the ETIM BMEcat there should be a reference via deep link to the homepage of the manufacturer about REACH „Registration, Evaluation und Authorization in the European Community (EC) used Chemicals“, i.e. not only to the general homepage, but directly to the REACH information (ideally directly to the REACH information of the single product).

```
<UDX.EDXF.REACH>  
  <UDX.EDXF.REACH.LISTDATE>2013-12-01</UDX.EDXF.REACH.LISTDATE>  
  <UDX.EDXF.REACH.INFO>false</UDX.EDXF.REACH.INFO>  
</UDX.EDXF.REACH>
```

A deep link is of course still be specified, to allow detailed information (in particular, what specific substances are in the product).

This solution does not cover all aspects of the REACH regulation:

- there is a current discussion at European level that REACH should also refer to relate on partial products
- the candidate list is updated regularly, i.e. supplemented with further substances; the list will take effect immediately with publication
- in different batches, a clear statement to the product is not possible
- also the manufacturer has to rely on the statements of its suppliers

Further information about REACH can be found on the websites of the ECHA (European Chemicals Agency) - <http://echa.europa.eu>

---

## **h. Safety data sheet and ECCN codes**

### **Safety data sheet**

In the catalog, all products must be labelled, as determined in § 14 of the Hazardous Substances Act, a safety data sheet (Material Safety Data Sheet - MSDS) in accordance with Directive 91/155/EEC. In addition, all MSDS have to be deposited under the relevant product at other documents in the respective language as a PDF file (a link to the suppliers website is not allowed). Furthermore, all suppliers have to submit the MSDS to the applicable data receiver after any revision or modification, especially if a product is classified different due to a recipe modification or a statutory change. Thereby, the supplier's product ID and the catalog have to be given for an unambiguously assignment of the MSDS. The transmitted MSDS have to be deposited as a PDF file with the next catalog update. The suppliers have to mark altered MSDS by the annual catalog update. This obligation can be fulfilled e.g. by attaching a list with all changed products. The new version of the MSDS must be annotated with the words "Reviewed: ... (date)". The changes that were made in the revision of an MSDS have to be indicated. In addition, make sure that the description of the Multi-purpose Internet Message Extension (MIME) for safety data sheets must be "MD03" (Safety data sheet).

### **USA - Export Control Classification Number (ECCN)**

The ECCN is an alphanumeric product classification that is issued by the Bureau of Industry and Security (BIS), a division of the US Department of Commerce. The ECCN is used in the "Commerce Control List" to identify different products at the export control.

Such a number is required by a company, if the U.S. importer re-exports the goods. The suitable ECCN for a specific product can be found in the Commerce Control List that in turn is located in the Export Administration Regulations. Alternatively you can inquire for the suitable ECCN at the following website:

<http://www.bis.doc.gov/Licensing>

## Data transfer:

The information on the MSDS and ECCN codes in the ETIM BMEcat are given as SPECIAL\_TREATMENT\_CLASS. The type for the relevance of an MSDS is the attribute "MSDS" and the associated information „true“ or „false“. The safety data sheet is then passed as MIME. The type for the ECCN code is the attribute "ECCN" and the associated value is the ECCN.

As the Guideline for suppliers declares the field SPECIAL\_TREATMENT\_CLASS as mandatory, always a value has to be supplied. If a product is not subject to the labelling obligation, the fields mentioned in the example below have to be filled with the text „NOT\_RELEVANT“ and „NONE“.

Possible "Special Treatment classes" (not a complete listing):

- MSDS
- ECCN
- AL
- SIDAB

## Example safety data sheet MSDS, ECCN codes and Labelling obligation Export list number

```
<PRODUCT>
<SUPPLIER_PID>108014</SUPPLIER_PID>
<PRODUCT_DETAILS>
  <DESCRIPTION_SHORT>Flat nose pliers short 160mm</DESCRIPTION_SHORT>
  <DESCRIPTION_LONG>Flat nose pliers short 160mm with two colored, ergonomic plastic shell. Good grip also when wet and dirty, isolating at extreme temperatures, electric hits and vibrations</DESCRIPTION_LONG>
  <INTERNATIONAL_PID type="GTIN">4012345108014</INTERNATIONAL_PID>
  <MANUFACTURER_PID>108014</MANUFACTURER_PID>
  <MANUFACTURER_NAME>Sample company ltd.</MANUFACTURER_NAME>
  <MANUFACTURER_TYPE_DESCR>108014</MANUFACTURER_TYPE_DESCR>
  <SPECIAL_TREATMENT_CLASS type="MSDS">true</SPECIAL_TREATMENT_CLASS>
  <SPECIAL_TREATMENT_CLASS type="ECCN">3A001</SPECIAL_TREATMENT_CLASS>
  <SPECIAL_TREATMENT_CLASS type="AL">N</SPECIAL_TREATMENT_CLASS>
</PRODUCT_DETAILS>
```

---

That message here is that there is a safety data sheet, the Export Control Classification Number is 3A001 and a category of the export list does not exist.

**Example if a product is not subject to the labelling obligation**

```
<PRODUCT>
<SUPPLIER_PID>108030</SUPPLIER_PID>
<PRODUCT_DETAILS>
  <DESCRIPTION_SHORT>Screwdriver PZ 2</DESCRIPTION_SHORT>
  <DESCRIPTION_LONG> Screwdriver PZ 2 with plastic handle</DESCRIPTION_LONG>
  <INTERNATIONAL_PID type="GTIN">4012345108030</INTERNATIONAL_PID>
  <MANUFACTURER_PID>108030</MANUFACTURER_PID>
  <MANUFACTURER_NAME>Sample company ltd.</MANUFACTURER_NAME>
  <MANUFACTURER_TYPE_DESCR>108030</MANUFACTURER_TYPE_DESCR>
  <SPECIAL_TREATMENT_CLASS type="NOT_RELEVANT">NONE</SPECIAL_TREATMENT_CLASS>
</PRODUCT_DETAILS>
```

**Important:**

If there is a statement “NOT\_RELEVANT”, it is not allowed to define a SPECIAL\_TREATMENT\_CLASS in the next line of the BMEcat for this product (essentially clear, only for the avoidance of doubt).

**Exception for no statement according to the Special Treatment Class:**

If an ETIM BMEcat file is created e.g. based on a central product database and currently there is no information about a Special Treatment Class for some products, it is allowed (exceptionally!) to deliver the information “NO\_DATA”:

```
<SPECIAL_TREATMENT_CLASS type="NO_DATA">NO_DATA</SPECIAL_TREATMENT_CLASS>
```

## i. Examples of packing variants

If possible, only actual packing units should be used for the packing variants, in other words, not piece (C62), meter (MTR), kilogram (KGM) or liter (LTR) for example.

However, in the ETIM environment, the units piece, meter and kilogram play a role insofar as articles are delivered partially also in general unpacked by the manufacturer to the data receiver (however, piece, meter and kilogram are no packing units in the proper meaning of the word).

That means, if a manufacturer delivers a single product (as a piece, meter goods or by kilogram) unpacked to the data receiver, the information about this smallest unpacked unit has to be transmitted.

For one individual packing quantity (QUANTITY\_MIN and QUANTITY\_MAX) of a product, not more than one packing unit code (PACKING\_UNIT\_CODE) is allowed.

Therefore, the following configurations are not allowed for an article:

```
<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>1</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>1</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>C62</UDX.EDXF.PACKING_UNIT_CODE>
    </UDX.EDXF.PACKING_UNIT>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>1</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>1</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>PA</UDX.EDXF.PACKING_UNIT_CODE>
    </UDX.EDXF.PACKING_UNIT>
  </UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>
```

The code of the packing unit (UDX.EDXF.PACKING\_UNIT\_CODE) of the different packing levels must be assigned the same for each product. So allowed would be e.g.:

```
<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>10</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>10</UDX.EDXF.QUANTITY_MAX>
    </UDX.EDXF.PACKING_UNIT>
  </UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>
```

---

```
<UDX.EDXF.PACKING_UNIT_CODE>PA<UDX.EDXF.PACKING_UNIT_CODE>
</UDX.EDXF.PACKING_UNIT>
<UDX.EDXF.PACKING_UNIT>
  <UDX.EDXF.QUANTITY_MIN>100</UDX.EDXF.QUANTITY_MIN>
  <UDX.EDXF.QUANTITY_MAX>100</UDX.EDXF.QUANTITY_MAX>
  <UDX.EDXF.PACKING_UNIT_CODE>PA</UDX.EDXF.PACKING_UNIT_CODE>
</UDX.EDXF.PACKING_UNIT>
</UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>
```

But of course this is not allowed for the units piece, meter and kilogram:

- packing unit 1 = 1 piece and
- packing unit 2 = 10 pieces would not be allowed!

The same refers to the units meter and kilogram

**Example for the correct indication of the packing units of a product:**

packing unit 1 = 1 unit in a packet (= PA)

packing unit 2 = 10 units = carton (= CT)

packing unit 3 = 40 units = 1 pallet (= PF)

```

<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>1</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>1</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>PA</UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.0323</UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>0.67</UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>0.38</UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.10</UDX.EDXF.WIDTH>
      <UDX.EDXF.DEPTH>0.85</UDX.EDXF.DEPTH>
      <UDX.EDXF.GTIN>4012345678901</UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>10</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>10</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>CT</UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.425</UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>6.7</UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>1.0</UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.5</UDX.EDXF.WIDTH>
      <UDX.EDXF.DEPTH>0.85</UDX.EDXF.DEPTH>
      <UDX.EDXF.GTIN>4012345678002</UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>40</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>40</UDX.EDXF.QUANTITY_MAX>
  </UDX.EDXF.PACKING_UNITS>
  </USER_DEFINED_EXTENSIONS>

```



```
<UDX.EDXF.PACKING_UNIT_CODE>PF</UDX.EDXF.PACKING_UNIT_CODE>
<UDX.EDXF.VOLUME>0.96</UDX.EDXF.VOLUME>
<UDX.EDXF.WEIGHT>28</UDX.EDXF.WEIGHT>
<UDX.EDXF.LENGTH>1.2</UDX.EDXF.LENGTH>
<UDX.EDXF.WIDTH>0.8</UDX.EDXF.WIDTH>
<UDX.EDXF.DEPTH>1.0</UDX.EDXF.DEPTH>
<UDX.EDXF.GTIN>4012345643901</UDX.EDXF.GTIN>
</UDX.EDXF.PACKING_UNIT>
</UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>
```

### **Explanation to the product 4012345678901**

This is only one single product that is delivered in the packing unit packet (PA), so the QUANTITY\_MIN and the QUANTITY\_MAX is always 1.

The packing dimensions of this single packed product are:

- volume 0.0323 m<sup>3</sup> (the ETIM BMEcat requires m<sup>3</sup>)
- weight 0.67 kg (the ETIM BMEcat requires kg)
- length 0.38 m (the ETIM BMEcat requires m)
- width 0.1 m (the ETIM BMEcat requires m)
- depth 0.85 m (the ETIM BMEcat requires m)

The GTIN (EAN code) of this product in this packing unit is 4012345678901.

The fields, designations and units have been taken from the specification BMEcat<sup>®</sup> 2005 to ensure a very high compatibility.

### **Explanation to the product 4012345678002**

This is a product that is delivered in the packing unit carton (CT). QUANTITY\_MIN and QUANTITY\_MAX are 10. That means, in one carton there are 10 products.

The packing dimensions of this carton are:

- volume 0.425 m<sup>3</sup> (the ETIM BMEcat requires m<sup>3</sup>)
- weight 6.7 kg (the ETIM BMEcat requires kg)
- length 1.0 m (the ETIM BMEcat requires m)
- width 0.5 m (the ETIM BMEcat requires m)
- depth 0.85 m (the ETIM BMEcat requires m)

The GTIN (EAN code) of this product in this packing unit is 4012345678002.

---

### **Explanation to the product 4012345643901**

This is a product that is delivered in the packing unit pallet (PF = pallet). QUANTITY\_MIN and QUANTITY\_MAX are 40. That means, on one pallet there are 40 products.

The packing dimensions of this pallet are:

volume 0.96 m<sup>3</sup> (the ETIM BMEcat requires m<sup>3</sup>)

weight 28 kg (the ETIM BMEcat requires kg)

length 1.2 m (the ETIM BMEcat requires m)

width 0.8 m (the ETIM BMEcat requires m)

depth 1.0 m (the ETIM BMEcat requires m)

The GTIN (EAN code) of the product in this packing unit is 4012345643901

### ***Product with the only packing unit pallet:***

**Machines or similar products can have the pallet as the only packing unit. Therefore this would be then the smallest packing unit and has to be transmitted accordingly in the ETIM BMEcat also by this way.**

### ***Excursus:***

The indication “MIN” and “MAX” result from the specification BMEcat<sup>®</sup> 2005. At this point, it is for example possible for the product “lemonade” to declare, that at a maximum 12 bottles are always delivered in one crate. That means if 1 to 12 bottles are ordered always a crate will be delivered. The element QUANTITY\_MIN would be 1 and the element QUANTITY\_MAX will be 12.

**In the environment of ETIM this possibility usually does not play a role, which means the value QUANTITY\_MIN and QUANTITY\_MAX is for the packing unit of one product always identical.**

**An exception to this rule is found at cables and wires. It could be possible that the values for QUANTITY\_MIN and QUANTITY\_MAX for one packing unit of a product are not identical (see explanation in chapter 9. d. b.).**

**Further specific product examples explaining the packing units:**

**Installation duct**

The installation duct is usually sold in a carton to 96 meters. If required, the article is also delivered separately, but then delivered unpacked. The single canal (length 2 m) is plastered at the front ends with foil to protect it from soiling and scratching but is not shrink-wrapped (thus no bag), that means, the first packing unit will be meter.

```

<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>2</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>2</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>MTR</UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.0004</UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>0.220</UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>2.000</UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.020</UDX.EDXF.WIDTH>
      <UDX.EDXF.DEPTH>0.010</UDX.EDXF.DEPTH>
      <UDX.EDXF.GTIN>4012196097814</UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>96</UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>96</UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>CT</UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.0252</UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>11.335</UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>2.012</UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.146</UDX.EDXF.WIDTH>
      <UDX.EDXF.DEPTH>0.086</UDX.EDXF.DEPTH>
      <UDX.EDXF.GTIN>4012196097821</UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
  </UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>

```

### Cable tray

The cable tray is sold only unpacked and separately in the first packing stage with a length of 3 m. According to the size of the article (long property) the cost of the packing would exceed the effective benefit. In addition, a cable tray is made of steel and therefore relatively insensitive. The tray is marked by a lateral Inkjet printing. Likewise, a marking by a by an attached label would be conceivable.

```
<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>3<\UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>3<\UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>MTR<\UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.0180<\UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>4.95<\UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>3.1<\UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.100<\UDX.EDXF.WIDTH>
      <UDX.EDXF.DEPTH>0.060<\UDX.EDXF.DEPTH>
      <UDX.EDXF.GTIN>4012195829553<\UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
  </UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>
```

### Bend for mesh cable tray

The formed component “bend” is only sold unpacked and separately as one piece. The cost of a packing would exceed the effective benefit. Concerning to the unusual format and size, a packing of such an article would be difficult to implement as well as too sophisticated. In addition, the bend is made of steel and therefore relatively insensitive. This article is marked with all required information by a label.

```
<USER_DEFINED_EXTENSIONS>
  <UDX.EDXF.PACKING_UNITS>
    <UDX.EDXF.PACKING_UNIT>
      <UDX.EDXF.QUANTITY_MIN>1<\UDX.EDXF.QUANTITY_MIN>
      <UDX.EDXF.QUANTITY_MAX>1<\UDX.EDXF.QUANTITY_MAX>
      <UDX.EDXF.PACKING_UNIT_CODE>C62<\UDX.EDXF.PACKING_UNIT_CODE>
      <UDX.EDXF.VOLUME>0.0012<\UDX.EDXF.VOLUME>
      <UDX.EDXF.WEIGHT>0.627<\UDX.EDXF.WEIGHT>
      <UDX.EDXF.LENGTH>0.150<\UDX.EDXF.LENGTH>
      <UDX.EDXF.WIDTH>0.125<\UDX.EDXF.WIDTH>
```

```

        <UDX.EDXF.DEPTH>0.065</UDX.EDXF.DEPTH>
        <UDX.EDXF.GTIN>4012196050482</UDX.EDXF.GTIN>
    </UDX.EDXF.PACKING_UNIT>
</UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>

```

### Fire partitioning

A fire partitioning is usually sold in a carton of 10 pieces. If required, the article is also delivered separately, but then delivered unpacked. The single article is marked by a lateral printing.

```

<USER_DEFINED_EXTENSIONS>
    <UDX.EDXF.PACKING_UNITS>
        <UDX.EDXF.PACKING_UNIT>
            <UDX.EDXF.QUANTITY_MIN>1</UDX.EDXF.QUANTITY_MIN>
            <UDX.EDXF.QUANTITY_MAX>1</UDX.EDXF.QUANTITY_MAX>
            <UDX.EDXF.PACKING_UNIT_CODE>C62</UDX.EDXF.PACKING_UNIT_CODE>
            <UDX.EDXF.VOLUME>0.0024</UDX.EDXF.VOLUME>
            <UDX.EDXF.WEIGHT>0.66</UDX.EDXF.WEIGHT>
            <UDX.EDXF.LENGTH>0.250</UDX.EDXF.LENGTH>
            <UDX.EDXF.WIDTH>0.120</UDX.EDXF.WIDTH>
            <UDX.EDXF.DEPTH>0.080</UDX.EDXF.DEPTH>
            <UDX.EDXF.GTIN>4012195428213</UDX.EDXF.GTIN>
        </UDX.EDXF.PACKING_UNIT>
        <UDX.EDXF.PACKING_UNIT>
            <UDX.EDXF.QUANTITY_MIN>10</UDX.EDXF.QUANTITY_MIN>
            <UDX.EDXF.QUANTITY_MAX>10</UDX.EDXF.QUANTITY_MAX>
            <UDX.EDXF.PACKING_UNIT_CODE>CT</UDX.EDXF.PACKING_UNIT_CODE>
            <UDX.EDXF.VOLUME>0.0419</UDX.EDXF.VOLUME>
            <UDX.EDXF.WEIGHT>7.25</UDX.EDXF.WEIGHT>
            <UDX.EDXF.LENGTH>0.471</UDX.EDXF.LENGTH>
            <UDX.EDXF.WIDTH>0.316</UDX.EDXF.WIDTH>
            <UDX.EDXF.DEPTH>0.282</UDX.EDXF.DEPTH>
            <UDX.EDXF.GTIN>4012195454359</UDX.EDXF.GTIN>
        </UDX.EDXF.PACKING_UNIT>
    </UDX.EDXF.PACKING_UNITS>
</USER_DEFINED_EXTENSIONS>

```

For each product at least the smallest regular PACKING\_UNIT has to be indicated. The indication of all additional existing packing units is certainly also important, to enable the data receiver a useful disposition (also in the interest of the manufacturer). The prede-

---

fined units (cubic meter, kilogram, meter) must be strictly observed. An indication of another unit (e.g. liter, gram, millimeter) is not allowed.

Please be sure to observe the “Examples of packing variants” and the corresponding information at 5i.

The sub tree PACKING\_UNITS is not used at the standard place for ETIM purpose because BMEcat<sup>®</sup> 2005 do not allow multiple appearance of sizes like volume, weight, length etc.

The whole sub tree is presented as a UDX element.

### **Explanation to the field “Product series” <UDX.EDXF.PRODUCT\_SERIES>**

If a product belongs to a program or a series, this of course should be transmitted also in the ETIM BMEcat.

Especially in the sphere of switches this is important but today this is also important for Small Domestic Appliances or Luminaries. Furthermore the program name may appear in the long description additionally.

Since it is possible that the description of a product series is country-related or language-specific, the data type dtMLSTRING is assigned to the field (according to the Specification BMEcat<sup>®</sup> 2005).

The attribute “lang” need not be indicated, if the standard language for the element CATALOG was set to only one language.

Example for monolingual indication of a product series (norm):

```
<UDX.EDXF.PRODUCT_SERIES>Pentacolor<UDX.EDXF.PRODUCT_SERIES>
```

Example for multilingual indication of a product series:

```
<UDX.EDXF.PRODUCT_SERIES lang="deu">Flächenprogramm<UDX.EDXF.PRODUCT_SERIES>
```

```
<UDX.EDXF.PRODUCT_SERIES lang="eng">Surface Program<UDX.EDXF.PRODUCT_SERIES>
```

## Examples of surcharge types

### Surcharge in percentage with step sizes (e.g. 5 %)

Surcharge takes place, if the silver price rises by more than 50 € by comparison to the mentioned price in the material basis (finished step).

This means, at a basis of 150 and 5% surcharge per finished step of 50.00 €:

starting from 200 = 5% surcharge

starting from 250 = 10% surcharge

starting from 300 = 15% surcharge

starting from 350 = 20% surcharge etc.

```
<UDX.EDXF.SURCHARGE_LIST>
<UDX.EDXF.SURCHARGE>
  <UDX.EDXF.SURCHARGE_TYPE>silver</UDX.EDXF.SURCHARGE_TYPE>
  <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
  <UDX.EDXF.SURCHARGE_PERCENTAGE>0.05</UDX.EDXF.SURCHARGE_PERCENTAGE>
  <UDX.EDXF.SURCHARGE_CALCULATION>1</UDX.EDXF.SURCHARGE_CALCULATION>
  <UDX.EDXF.MATERIAL_BASIS>150</UDX.EDXF.MATERIAL_BASIS>
  <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD>50</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD>
  <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_SHUTTER>2</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_SHUTTER>
  <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_CREDIT>1</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_CREDIT>
</UDX.EDXF.SURCHARGE>
</UDX.EDXF.SURCHARGE_LIST>
```

### Surcharge weight with basis

According to BMEcat<sup>®</sup> 2005 metal figures have to be indicated as “gram per PRICE\_QUANTITY of the ORDER\_UNIT”. That unusual size within the cable industry is a result of ELDANORM.

Example for PRICE\_QUANTITY = 1.000 (ORDER\_UNIT = meter)

```
<UDX.EDXF.SURCHARGE_LIST>
<UDX.EDXF.SURCHARGE>
  <UDX.EDXF.SURCHARGE_TYPE>copper</UDX.EDXF.SURCHARGE_TYPE>
  <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
  <UDX.EDXF.MATERIAL_BASIS>150</UDX.EDXF.MATERIAL_BASIS>
  <UDX.EDXF.MATERIAL_BASIS_WEIGHT>43000</UDX.EDXF.MATERIAL_BASIS_WEIGHT>
```

---

```
</UDX.EDXF.SURCHARGE>  
</UDX.EDXF.SURCHARGE_LIST>
```

Example for PRICE\_QUANTITY = 100 (ORDER\_UNIT = meter)

```
<UDX.EDXF.SURCHARGE_LIST>  
  <UDX.EDXF.SURCHARGE>  
    <UDX.EDXF.SURCHARGE_TYPE>copper</UDX.EDXF.SURCHARGE_TYPE>  
    <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>  
    <UDX.EDXF.MATERIAL_BASIS>150</UDX.EDXF.MATERIAL_BASIS>  
    <UDX.EDXF.MATERIAL_BASIS_WEIGHT>4300</UDX.EDXF.MATERIAL_BASIS_WEIGHT>  
  </UDX.EDXF.SURCHARGE>  
</UDX.EDXF.SURCHARGE_LIST>
```



### Percentage surcharge to the list price net\_list for packing (e.g. 1%)

```
<UDX.EDXF.SURCHARGE_LIST>
  <UDX.EDXF.SURCHARGE>
    <UDX.EDXF.SURCHARGE_TYPE>packaging</UDX.EDXF.SURCHARGE_TYPE>
    <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
    <UDX.EDXF.SURCHARGE_PERCENTAGE>0.01</UDX.EDXF.SURCHARGE_PERCENTAGE>
  </UDX.EDXF.SURCHARGE>
</UDX.EDXF.SURCHARGE_LIST>
```

### Surcharge in percentage with step sizes and weight with basis

Surcharge takes place, if the silver price rises by 1.00 € (started step) by comparison to the mentioned price in the material basis. If it declines 1.00 € below, a credit will be made.

This means, at a basis of 150 and 5 % surcharge per started step of 50.00 €:

starting from 151 = 5% surcharge

starting from 201 = 10% surcharge

starting from 251 = 15% surcharge

starting from 301 = 20% surcharge etc. (credit corresponding)

```
<UDX.EDXF.SURCHARGE_LIST>
  <UDX.EDXF.SURCHARGE>
    <UDX.EDXF.SURCHARGE_TYPE>silver</UDX.EDXF.SURCHARGE_TYPE>
    <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
    <UDX.EDXF.SURCHARGE_PERCENTAGE>0.05</UDX.EDXF.SURCHARGE_PERCENTAGE>
    <UDX.EDXF.SURCHARGE_CALCULATION>1</UDX.EDXF.SURCHARGE_CALCULATION>
    <UDX.EDXF.MATERIAL_BASIS>150</UDX.EDXF.MATERIAL_BASIS>
    <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD>50</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD>
    <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_SHUTTER>1</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_SHUTTER>
    <UDX.EDXF.MATERIAL_BASIS_SURCHARGE_CREDIT>2</UDX.EDXF.MATERIAL_BASIS_SURCHARGE_CREDIT>
  </UDX.EDXF.SURCHARGE>
  <UDX.EDXF.SURCHARGE>
    <UDX.EDXF.SURCHARGE_TYPE>copper</UDX.EDXF.SURCHARGE_TYPE>
    <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
    <UDX.EDXF.MATERIAL_BASIS>150</UDX.EDXF.MATERIAL_BASIS>
```

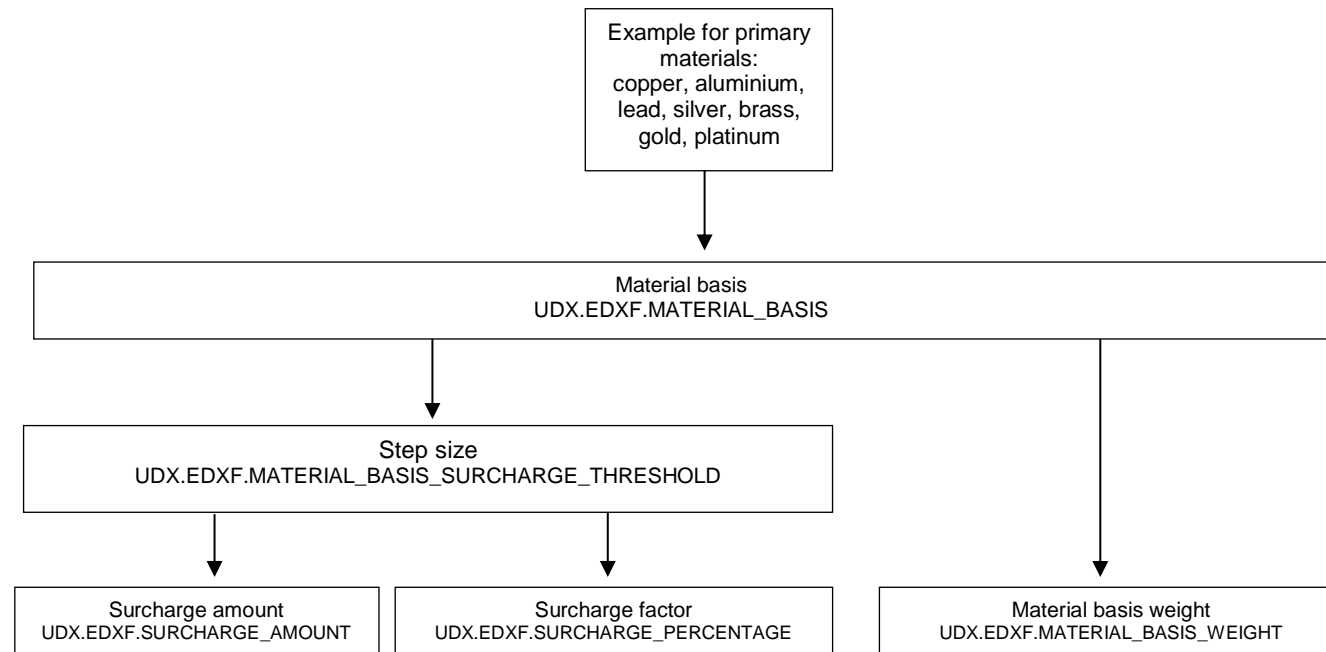
---

```
<UDX.EDXF.MATERIAL_BASIS_WEIGHT>110</UDX.EDXF.MATERIAL_BASIS_WEIGHT>
</UDX.EDXF.SURCHARGE>
</UDX.EDXF.SURCHARGE_LIST>
```

### **Transmission of information to WEEE (Waste Electrical and Electronic Equipment)**

```
<UDX.EDXF.SURCHARGE_LIST>
<UDX.EDXF.SURCHARGE>
  <UDX.EDXF.SURCHARGE_TYPE>recycling WEEE</UDX.EDXF.SURCHARGE_TYPE>
  <UDX.EDXF.SURCHARGE_MANNER>base</UDX.EDXF.SURCHARGE_MANNER>
  <UDX.EDXF.SURCHARGE_PRICE_AMOUNT>0.28</UDX.EDXF.SURCHARGE_PRICE_AMOUNT>
</UDX.EDXF.SURCHARGE>
</UDX.EDXF.SURCHARGE_LIST>
```

**Graphical illustration of the metal surcharges and the relation between the elements**



**The diagram illustrates the dependency of the fields, but does not correspond to the order of the tags in BMEcat!**

---

## 6. Link compilation

- BMEcat<sup>®</sup> Version 2005 (<http://www.bmecat.org>), you will get the documentation after a free registration
- ETIM International (<http://www.etim-international.com>)  
ETIM classification model version 6.0 (ixf)
- UN/ECE Recommendation 20 (<http://www.unece.org>)  
Codes for Units of Measure Used in International Trade (PDF-Files)
- D-U-N-S<sup>®</sup> Number (<http://dnb.com>), the Data Universal Numbering System is a 9-digit numeric code which was developed and regulated by Dun & Bradstreet in 1962 for identifying companies clearly worldwide.
- Information on ECCN (<http://www.trade.gov/>)

---

## 7. ISO - International Organization for Standardization

- **ISO 3166-1:2007**

<http://www.iso.org>

Codes for the representation of names of countries and their subdivisions  
Part 1: Country codes

- **ISO 3166-2:2007**

<http://www.iso.org>

Codes for the representation of names of countries and their subdivisions  
Part 2: Country subdivision code

- **ISO 639-2:1998**

<http://www.loc.gov>

Codes for the representation of names of languages  
Part 2: Language Alpha-3 code (Terminology code)

- **ISO 4217:2008**

<http://www.currency-iso.org/>

Codes for the representation of currencies and funds

*Note:*

*The permitted currency codes of the specification BMEcat<sup>®</sup> 2005 are defined in the xsd file <bmeecat\_2005.xsd>.*

*New codes that exist in the ISO do not exist in the BMEcat<sup>®</sup> 2005 xsd and are therefore not allowed.*

*As the best possible intermediate solution, in the ETIM BMEcat xsd the currency code "PLN" (New Polish Zloty) will be allowed, but please take care that it might be rejected in the certification acc. to the standard BMEcat<sup>®</sup> 2005.*

## 8. Allowed order-, quantity- and packing units

A subset of the UN/ECE recommendation 20 is used:  
<http://www.unece.org/>

The following table shows, which units are used in the catalog system. For this reason, all units in the catalog have to be encoded according to the UN/ECE-codes or quantity units which are deposited in this table.

Further definitions/specifications to the units are not given and are selected by the data supplier meaningful and consistent/uniform for equal products or product packing.

Code	Designation	Packing unit
BE	Bundle	yes
BG	Bag	yes
BO	Bottle	yes
BX	Box	yes
C62	One (unit)	yes
CA	Can	yes
CL	Coil	yes
CMT	Centimeter	no
CQ	Cartridge	yes
CR	Crate	yes
CS	Case	yes
CT	Carton	yes
DR	Drum	yes
GRM	Gram	no
KG	Keg	yes
KGM	Kilogram	yes
LTR	Liter	no
MGM	Milligram	no
MLT	Milliliter	no

Code	Designation	Packing unit
MMT	Millimeter	no
MTR	Meter	yes
PA	Packet	yes
PF	Pallet (lift)	yes
PK	Pack	yes
PL	Pail	yes
PR	Pair	yes
PU	Tray / tray pack	yes
RG	Ring	yes
RL	Reel	yes
RO	Roll	yes
SA	Sack	yes
SET	Set	yes
ST	Sheet	no
TN	Tin	yes
TU	Tube	yes
Z2	Chest	yes
Z3	Cask	yes

---

## 9. Country specific regulations

In this chapter, each ETIM country organization can define specific regulations, relevant for data transfer in their market.

General mandatory elements must be also mandatory in each country.

But vice versa it could be possible to declare a general optional field as mandatory in a country.

See annex Excel file <**ETIM BMEcat Guideline V3-1 - Overview elements.xlsx**>

On [www.etim-international.com](http://www.etim-international.com) you will find current contact information (e-mail) of each country.

### a. AT - Austria

#### a) Text fields (identic to the German definition of text fields)

- i. For the Austrian market, the element “DESCRIPTION\_LONG” is described as follows:  
“The aim of the element DESCRIPTION\_LONG is a more detailed product description. ETIM features can be used but neither exclusively nor as a series of several ETIM features. Also not desired is a one-to-one copy of the DESCRIPTION\_SHORT.  
Requested are formulated texts that should have a commercial and / or technical character. The long description should present features of a product – among others – that cannot be described with the structured data. Redundant information that is already submitted elsewhere in the BMEcat file should be avoided.”
- ii. Text fields (“Short description”, “Long description”, “Keywords”, ...) may not contain font formatting (bold, italic (cursive), underline, ...). Allowed are all characters of the German character set, without semicolon, quotation marks, em dash/longer dash and apostrophe. Only the “Long description” may contain additional structures (e.g. bullets) but not HTML tags.  
HTML tags will be permitted if they are escaped.
- iii. The current spelling rules are generally observed. Particularly the use of capital letters/chapters generally should be avoided (e.g. JUNCTION BOX). Furthermore, sequences of blanks or information about the date of delivery are not allowed. The indication of a product number or a manufacturer name in the fields “Short description”, “Long description” and “Keyword” should also be avoided.

#### b) BMEcat element “INTERNATIONAL\_PID”

If existing, this information is mandatory.

**b. BE – Belgium**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**c. CH - Switzerland**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**d. DE - Germany**

**a) Text fields**

- i. For the German market, the element “DESCRIPTION\_LONG” is described as follows:  
“The aim of the element DESCRIPTION\_LONG is a more detailed product description. ETIM features can be used but neither exclusively nor as a series of several ETIM features. Also not desired is a one-to-one copy of the DESCRIPTION\_SHORT.  
Requested are formulated texts that should have a commercial and / or technical character. The long description should present features of a product – among others – that cannot be described with the structured data. Redundant information that is already submitted elsewhere in the BMEcat file should be avoided.”
- ii. Text fields (“Short description”, “Long description”, “Keywords”, ...) may not contain font formatting (bold, italic (cursive), underline, ...). Allowed are all characters of the German character set, without semicolon, quotation marks, em dash/longer dash and apostrophe. Only the “Long description” may contain additional structures (bullets, paragraphs/line breaks) but not HTML tags.  
HTML tags will be permitted if they are escaped.
- iii. The current spelling rules are generally observed. Particularly the use of capital letters/chapters generally should be avoided (e.g. JUNCTION BOX). Furthermore, sequences of blanks or information about the date of delivery are not allowed. The indication of a product number or a manufacturer name in the fields “Short description”, “Long description” and “Keyword” should also be avoided.

**b) Specification for product group cables and wires in Germany**



	NYM-J 3x1.5 100m ring	NYJ-J 3x1.5 exact 500 m non- returnable reel	NYJ-J 3x1.5 exact 3,000 m returna- ble drum	NAYCWY 3x120 approx. 500 m returna- ble drum	NAYCWY 3x120 cutting length
<b>Element: PRODUCT_DETAILS</b>					
Short description (DESCRIPTION_SHORT)	see below	see below	see below	see below	see below
Long description (DESCRIPTION_LONG)	see below	see below	see below	see below	see below
INTERNATIONAL_PID type="GTIN" (EAN code)	n14	n14	n14	n14	n14
Manufacturer type description (MANUFACTURER_TYPE_DESCRIPTION)	see below	see below	see below	see below	see below
<b>Element: PRODUCT_ORDER_DETAILS</b>					
Order unit (ORDER_UNIT)	MTR	MTR	MTR	MTR	MTR
Content unit (CONTENT_UNIT)	MTR	MTR	MTR	MTR	MTR
Packing quantity (NO_CU_PER_OU)	1	1	1	1	1
Price quantity (PRICE_QUANTITY)	1000	1000	1000	1000	1000
Quantity interval (QUANTITY_INTERVAL)	100	500	3000	500	1
<b>Element: PRODUCT_PRICE</b>					
Price type (PRICE_TYPE)	net_list	net_customer	net_customer	net_customer	net_customer
Price currency (PRICE_CURRENCY)	EUR	EUR	EUR	EUR	EUR
Price amount (PRICE_AMOUNT)	490.00	152.00	152.00	5300.00	5300.00
Tax rate (TAX)	0.19	0.19	0.19	0.19	0.19
Territory (TERRITORY)	DE	DE	DE	DE	DE
<b>Element: UDX.EDXF.PRODUCT_LOGISTIC_DETAILS</b>					
Net weight (UDX.EDXF.NETWEIGHT)	110	110	176	2660	2660

	NYM-J 3x1.5 100m ring	NYJ-J 3x1.5 exact 500 m non- returnable reel	NYJ-J 3x1.5 exact 3,000 m return- able drum	NAYCWY 3x120 approx. 500 m return- able drum	NAYCWY 3x120 cutting length
<b>Element: UDX.EDXF.SURCHARGE_LIST</b>					
Surcharge type (UDX.EDXF.SURCHARGE_TYPE)	copper	copper	copper	aluminium	aluminium
Surcharge manner (UDX.EDXF.SURCHARGE_MANNER)	base	base	base	base	base
Surcharge factor (UDX.EDXF.SURCHARGE_PERCENTAGE)					
Surcharge price amount (UDX.EDXF.SURCHARGE_PRICE_AMOUNT)					
Material basis (UDX.EDXF.SURCHARGE_MATERIAL_BASIS)	150	0	0	0	0
Material basis weight (UDX.EDXF.SURCHARGE_MATERIAL_BASIS_WEIGHT)	43000	43000	43000	1044000	1044000
Quantity unit (UDX.EDXF.SURCHARGE_MATERIAL_BASIS_PRICE_UNIT)	MTR	MTR	MTR	MTR	MTR
Surcharge type (UDX.EDXF.SURCHARGE_TYPE)				copper	copper
Surcharge manner (UDX.EDXF.SURCHARGE_MANNER)				base	base
Surcharge factor (UDX.EDXF.SURCHARGE_PERCENTAGE)					
Surcharge price amount (UDX.EDXF.SURCHARGE_PRICE_AMOUNT)					
Material basis (UDX.EDXF.SURCHARGE_MATERIAL_BASIS)				0	0
Material basis weight (UDX.EDXF.SURCHARGE_MATERIAL_BASIS_WEIGHT)				800000	800000
Quantity unit (UDX.EDXF.SURCHARGE_MATERIAL_BASIS_PRICE_UNIT)				MTR	MTR
<b>Element: UDX.EDXF.PACKING_UNITS (1 of n)</b>					
Minimum quantity (UDX.EDXF.QUANTITY_MIN)	100	500	3000	450	1
Maximum quantity (UDX.EDXF.QUANTITY_MAX)	100	500	3000	550	15

	NYM-J 3x1.5 100m ring	NYJ-J 3x1.5 exact 500 m non- returnable reel	NYJ-J 3x1.5 exact 3,000 m return- able drum	NAYCWY 3x120 approx. 500 m return- able drum	NAYCWY 3x120 cutting length
Packing unit code (UDX.EDXF.PACKING_UNIT_CODE)	RG	CL	DR	DR	RG
Element: <b>UDX.EDXF.PACKING_UNITS</b> (2 of n)					
Minimum quantity (UDX.EDXF.QUANTITY_MIN)	4800	2000		900	16
Maximum quantity (UDX.EDXF.QUANTITY_MAX)	4800	2000		1100	1500
Packing unit code (UDX.EDXF.PACKING_UNIT_CODE)	PF	PF		PF	DR

### Explanation on the separate sample data:

Element: <b>PRODUCT_DETAILS</b>	
<b>Short description</b> (DESCRIPTION_SHORT) max. 150 characters BMEcat® 2005 allows 150 characters (versus max. 80 characters in BMEcat 1.2). If a data supplier wants to provide more than 80 characters, it should be noticed that the text can be automatically cut off by the data receiver after 80 characters (depending on the data receiver's requirements of the target system)	In this field a textual description of the product is to enter. In catalogs it can be used as a headline of a product type. <b>Examples:</b> House wiring cable, PVC insulated Medium voltage power cable, VPE insulated with Cu conductor, longitudinal water blocking screen and PE sheath
<b>Long description</b> (DESCRIPTION_LONG) max. 64,000 characters	In this field a textual description of the application and the usage of the product is to enter. It can be related as an explaining text to a product type. <b>Example:</b> According to VDE 0298, part 3 – installation on top, on, in and under plaster in dry, humid and wet

Element: <b>PRODUCT_DETAILS</b>	
	rooms and also in brickwork and concrete, except for direct embedding in shaking-, vibratory or tamped concrete. As well suitable for outdoor usage if protected from direct sunlight, however not in the soil.
<b>Manufacturer type description</b> (MANUFACTURER_TYPE_DESCR) max. 50 characters	Construction type, number of cores and nominal cross section should be filled in. <b>Examples:</b> J-Y(ST)Y 5x2x0.6 or NYM-J 3x1.5 or NAYCWY 3x120
Element: <b>PRODUCT_ORDER_DETAILS</b>	
Quantity interval (QUANTITY_INTERVAL)	Shows the interval in which the product can be ordered. For cutting length it is usually "1" (1 meter). For a stock length of e.g. 500 m with permitted length tolerance of maybe 450 m to 550 m it is "500" (500 meters). The length tolerances are specified by the maximum and minimum quantity. (UDX.EDXF.QUANTITY_MIN / UDX.EDXF.QUANTITY_MAX), see below
Element: <b>PRODUCT_PRICE</b>	
Price type (PRICE_TYPE)	<b>net_list</b> Discountable list(gross)price without sales tax. <b>net_customer</b> Net purchase price without sales tax.
Surcharge data: <b>UDX.EDXF.SURCHARGE_LIST</b> (See also documentation ELDANORM 2000).	
Surcharge type (UDX.EDXF.SURCHARGE_TYPE)	Indication on the metal which is related to all further data:  aluminium copper lead silver  The surcharge data can be given multiple if a product has several metals (see example NAYCWY).
Surcharge manner	In this field the value "base" has to be specified.

Surcharge data: <b>UDX.EDXF.SURCHARGE_LIST</b> (See also documentation ELDANORM 2000).	
(UDX.EDXF.SURCHARGE_MANNER)	
Surcharge factor (UDX.EDXF.SURCHARGE_PERCENTAGE)	No value has to be entered.
Surcharge price amount (UDX.EDXF.SURCHARGE_PRICE_AMOUNT)	No value has to be entered.
Material basis (UDX.EDXF.MATERIAL_BASIS)	The metal quotation that is already charged in the price has to be given, e.g.: <ul style="list-style-type: none"> <li>- "000" for hollow prices</li> <li>- "100" for prices that include already the charge of the belonging metal with 100.00 €/100 kg</li> <li>- "150" for prices that include already the charge of the belonging metal with 150.00 €/100 kg</li> </ul> Notice: With so-called full prices, all data on metal surcharges can be omitted.
Material basis weight (UDX.EDXF.MATERIAL_BASIS_WEIGHT)	Material weight (Individual metal number) has to be given in „grams per price reference quantity of the order unit“ (grams per PRICE_QUANTITY of the ORDER_UNIT) i.e. usually grams / 1,000 meter
Quantity unit	MTR
Step size (UDX.EDXF.MATERIAL_BASIS_SURCHARGE_THRESHOLD)	Usually no information is required for this field
Element: <b>UDX.EDXF.PACKING_UNITS</b> (1 of n)	
Depending on the different packing sizes the element can appear multiple, e.g. also to describe the content of a pallet (see example above „NYM-J 3x1.5 as 100 m ring“).	
Minimum quantity / Maximum quantity (UDX.EDXF.QUANTITY_MIN / UDX.EDXF.QUANTITY_MAX)	<ol style="list-style-type: none"> <li>(1) If "Minimum quantity" and "Maximum quantity" are equal, the product is invariably in its length (length fix).</li> <li>(2) If "Minimum quantity" and "Maximum quantity" are different, the product is variable in its length (length variable). Length variable products are in addition to cutting lengths also so-called stock lengths with approximately lengths. Example: a 500 m stock length – depending on the product – can vary between 450 and 550 m for manufacturing reasons.</li> <li>(3) Cutting lengths (length variable product) can be identified by the fact that the quantity interval is always filled in with the value "1" (meter).</li> <li>(4) For cutting lengths (length variable product) the largest specified "Maximum quantity" corresponds to the maximum production-technical admissible single length.</li> </ol>
Packing unit code (UDX.EDXF.PACKING_UNIT_CODE)	The following definition is the base to avoid misinterpretation: <b>Coil (CL):</b> The coil is a light storage and transport container for cables and wires that generally can be used only once. Colloquially it is often also called "One-way coil". <b>A coil has no identification "trading unit number" to identify the coil unambiguously.</b>

<p><b>Drum (DR):</b> The drum is a fix storage and transport container for cable and wires that generally can be used several times. This will also include returnable drums. Colloquially in Germany it is also often called “KTG drum - Cable drum organization”. <b>A drum has an identification “trading unit / drum number” to identify the drum unambiguously.</b></p>
--

**e. DK- Denmark**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**f. ES – Spain**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**g. FI – Finland**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**h. FR – France**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**i. NL – The Netherlands**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**j. NO – Norway**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

**k. PL – Poland**

**a) Text fields:**

For the Polish market, the elements: DESCRIPTION\_SHORT, DESCRIPTION\_LONG, KEYWORD should be delivered in Polish language and may not include formatting (bold, line breaks, bullet characters ...). Allowed are all characters of the Polish character set (in UTF-8 encoding), without semicolon, quotation marks, dash and apostrophe.

**b) Additional elements**

There are 3 additional elements specific to the Polish market that are mandatory here:

- i. VAT-ID = element "VAT\_ID"
- ii. Bonus group of the supplier = element "UDX.EDXF.BONUS\_GROUP\_SUPPLIER"
- iii. PKWIU = element "UDX.EDXF.PKWIU"

**I. SE - Sweden**

No country specific regulations for this version 3.1 of the ETIM Guidelines.

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## 10. Change Log to previous version

In this chapter, all relevant changes between versions of this guideline will be described.

### a. Changes between version 3.0 and 3.1

- Subtree UDX.EDXF.SURCHARGE\_LIST → UDX.EDXF.SURCHARGE  
All elements of this subtree are now Optional, except UDX.EDXF.SURCHARGE\_TYPE.  
The transfer of surcharge information is quite complicated and differs in each country. So the data supplier should know what information (that means what elements of the ETIM BMEcat) he must send to the data receiver.  
And in any case it must be possible, to validate the correctness of a statement Mandatory/Optional in the xsd file and the validation tool.
- The field length of the element MIME\_TYPE is extended from 30 to 100 digits as MIME types exist already that are longer than 30 digits and that is not considered in the specification of BMEcat<sup>®</sup> 2005.  
So this solution is not compliant to the specification of BMEcat<sup>®</sup> 2005 and the ETIM BMEcat could therefore be rejected in the certification acc. to the standard BMEcat<sup>®</sup> 2005.
- In the specification of BMEcat<sup>®</sup> 2005 it is forbidden to use a slash “/” for the attributed value of the element MIME\_TYPE.  
At the same time, the specification of BMEcat<sup>®</sup> 2005 the attributed are defined with a slash “/”.  
So that is a mistake and we allow the slash “/” for the ETIM BMEcat.  
This solution is also not compliant to the specification of BMEcat<sup>®</sup> 2005 and the ETIM BMEcat could therefore be rejected in the certification acc. to the standard BMEcat<sup>®</sup> 2005.
- The correct name of the REACH subtree is UDX.EDXF.REACH (and not UDX.EDXF.REACH.PRODUCT).
- The name of the element UDX.EDXF.REACH.LIST\_DATE was corrected to UDX.EDXF.REACH.LISTDATE
- The correct name of the element “Value Added Tax ID” is VAT\_ID in ETIM BMEcat.
- The new element Brand name (UDX.EDXF.BRAND\_NAME) was added.
- The field length of the element “UDX.EDXF.DISCOUNT\_GROUP\_MANUFACTURER” was changed from 10 to 20.
- The field length of the element “UDX.EDXF.DISCOUNT\_GROUP\_SUPPLIER” was changed from 10 to 20.
- Adjustment of the explanation of the element UDX.EDXF.NETWEIGHT



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- The subtree T\_NEW\_CATALOG → PRODUCT → PRODUCT\_LOGISTIC\_DETAILS → PRODUCT\_DIMENSIONS was deleted because it described the data of a packed product. This information already exists in the subtree UDX.EDXF.PACKING\_UNIT.
  - Additional type for the element MIME\_DESCR: MD99 “Others”.
  - Recommendation for supplying URLs in chapter 3b.
  - Updated the documentation for UDX.EDXF.COUNTRY\_BRANCH\_NUMBERS and UDX.EDXF.COUNTRY\_BRANCH\_SUPPLIER\_IDS in order to identify the attributes used by the XSD file correctly.