



# **SAP Business Network for Deutsche Bahn**

## **DB Marktplatz**

**Guide for creating catalogs in BMEcat format**

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**DB Marktplatz**

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## Guide to creating catalogs in BMEcat format

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## 1. Requirements for the provision of catalog data for the catalog purchasing system of DB AG (DB Marktplatz)

The provision of the catalog data to our service provider SAP Ariba has to be done electronically in the formats CIF, cXML and BMEcat 1.2. All products are to be classified according to eclass 8.1 (8.0 also possible). The last level of the classification hierarchy must always be used. Feature bars from eclass are not supported.

T\_NEW\_CATALOG is expected as the BMECat transaction for data provision.

All catalog formats must be created with the UTF-8 character set. "Named Entities" are not supported and must not appear in the catalog.

The XML file should start like this:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE BMECAT SYSTEM "bmeecat_new_catalog_1_2.dtd">
<BMECAT version="1.2">
  <HEADER>
```

The content control of the catalog data (e.g. with regard to products, prices, expired price validities or the like) is the responsibility of the supplier. By releasing the catalog on the SAP Business Network or handing over the catalog to Ariba, the supplier confirms that he has carried out this check.

## 2. Recommendations for creating a catalog

The product data should be complete. In addition to absolutely necessary fields (mandatory fields), a number of optional fields are defined in the data structure. If possible, also provide values for the optional fields supported.

Provide all information for easy product identification and a subsequent purchase decision.

## 3. Process description

After your catalog data has been imported into the SAP Ariba system, it is subjected to a technical check. Your correct catalog, which has been approved by you, is then made available to the DB AG lead buyer for a commercial check in the system. After all or part of the products have been checked and approved, the catalog is published for all DB AG employees with system access for information or order purposes, depending on the agreed catalog view, and is incorporated into a multi-supplier catalog.

The alternative formats CIF and cXML are not described here. The documentation is available from SAP Ariba.

#### 4. Description of the data structure based on the BMECat specification version 1.2

Minor customizing of the standard BMEcat format is necessary in order to meet the requirements of the merchandise management system used. These are field length limitations, format specifications, data type specifications, e.g. definition of additional integer fields to avoid rounding differences and definitions of mandatory fields. Deviations are highlighted in color.

**The following data record structure is a simplified representation of the scheme with color referencing of the customer-specific requirements.**

The following data types are used in the following description:

<b>Format:</b>	<b>STRING</b>	= alphanumeric input
	<b>NUMBER</b>	= numerical input with decimal places
	<b>INTEGER</b>	= numeric entry of whole numbers
	<b>BOOLEAN</b>	= "true" / "false" input
	<b>DATETYPE</b>	= 2003-12-01
	<b>TIMETYPE</b>	= 12:00:00

The decimal separator is the point, no commas are allowed!  
No separator is allowed to delimit thousands digits!

M = mandatory field: an entry must be made.

O = optional field: an entry can be made at your discretion or lead buyer specifications.

## 5. Definition of BMECat-PUNITS based on UN / ECE Recommendation No. 20 "Common Code" - Permitted Order Units

UN-UoM	Name
BE	BUNDLE
BG	BAG
BJ	BUCKET
BLL	BARREL
BO	BOTTLE
BX	BOX
C62	UNIT
CA	CAN
CR	CRATE
CS	CASE
CT	CARTON
DAY	DAYS
DR	DRUM
EA	EACH
GRM	GRAM
HLT	HECTOLITER
HUR	HOURS
KGM	KILOGRAM
KMT	KILOMETERS
KWH	KILOWATT HOUR
LS	LUMP SUM
LTR	LITER
MIN	MINUTES
MTK	SQUARE METER
MTQ	CUBIC METER
MTR	METER
PA	PACKET
PF	PALLET (LIFT)
PK	PACKAGE
PR	PAIR
RO	ROLL
SA	SACK
SET	SET
ST	SHEET
TNE	METRIC TON
TU	TUBE
WEE	WEEK
ZZ	MUTUALLY DEFINED

## 6. Item Description (incl. Product availability)

Required field. The item description of the item is used to clearly describe the item and precisely represents the properties that are necessary for the purchase decision. You are welcome to use the description from your webshop, if available.

In order to improve the clarity and legibility of the item description, the information should be structured in a meaningful way and laid out using HTML line breaks ("`<br>`").

Commercial and logistical information, such as prices, delivery times, minimum order quantities, etc., do not belong in the item description, but should be transmitted using the fields provided.

### Product availability

For our users, it is very important to know how many pieces of a product you as a supplier have in stock. If you show product availability on your website, for example by means of a traffic light or the exact number of items, you can link to your website from the catalog. This linked target page should be a pure information page without the possibility of being able to put the product in the shopping cart.

For product availability, place the following HTML code at the beginning of the long description `<DESCRIPTION_LONG>`:

---

```
<br><br><a href="https://lieferanten-
website.de/beispiel/produkt-xyz" class="btn-small btn-primary"
target="_blank">Live-Verfügbarkeit</a><br><br>
```

---

In order for the XML file to be processed correctly, certain HTML characters must be escaped in XML. The following characters are to be replaced:

Characters for html	Notation in XML
<	&lt;
>	&gt;
"	&quot;
&	&amp;
'	&apos;

The code snippet in BMEcat looks like this:

---

```
<DESCRIPTION_LONG>&lt;br&gt;&lt;br&gt;&lt;br&gt;&lt;a href=&quot;
https://lieferanten-website.de/beispiel/produkt-xyz&quot; class=&quot;btn-
small btn-primary&quot; target=&quot;_blank&quot;&gt;Live-
Verfügbarkeit&lt;/a&gt;&lt;br&gt;&lt;br&gt;Hier beginnt die ausführliche
Produktbeschreibung des Artikels </DESCRIPTION_LONG>
```

---

Example:

```
<DESCRIPTION_LONG>&amp;lt;br&amp;gt;&amp;lt;br&amp;gt;&amp;lt;b&amp;gt;&amp;
lt;a href=&amp;
quot;https://
html&amp;quot; target=&amp;quot; blank&amp;quot;&amp;
gt;Live-Verfügbarkeit&amp;lt;/a&amp;gt;&amp;lt;/b&amp;gt;&amp;lt;/br&amp;gt;
&amp;lt;/br&amp;gt;Inventaretikett Inventar von, ideal bei starker
Beanspruchung, einfach und sicher zubeschriften mit Lackmarker und Faserstift,
zweizeilig, Farbe: rot, Material: selbstklebende Folie, mit Klappkaschierung,
Format: 60 x 30 mm, 1 Bogen = 6 Stück</DESCRIPTION_LONG>
```

If you have any questions about implementation, please contact the DB Marktplatz team ([supplierintegration@deutschebahn.com](mailto:supplierintegration@deutschebahn.com)).

## 7. Images

Required field from DB. Please insert the file name of the illustration in each cell. Each item should have at least one image that shows the item as precisely as possible and without accessories. Additional images can also be added, which are shown in the detailed view of the item. The following information must be observed when providing images:

- For static images that are uploaded via zip file, the recommended image size is 250 x 250 pixels, max. 90 KB. The images must be located directly in the zip folder and must not be in another subfolder.
- For dynamic images that are integrated via hyperlink (URL), the recommended image size is 500 x 500 pixels, max. 90 KB. It must be linked directly to the picture.
- The images must be in JPEG, PNG or GIF format and use the “RGB” color space.
- The image file name in the catalog must be the same as the file name in the attachment (please note upper and lower case, also with file extensions!)
- The image file name must not contain any spaces and special characters.

In order to enable a correct representation of the items images in the DB Marktplatz, it is necessary to enter three different image types (thumbnail, normal and detailed). Please enter the same images in all three fields.

Example:

```
<MIME>
<MIME_TYPE>image/jpg</MIME_TYPE>
<MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
<MIME_DESCR>Produktbild</MIME_DESCR>
<MIME_ALT>Produktbild</MIME_ALT>
<MIME_PURPOSE>normal</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
<MIME_TYPE>image/jpg</MIME_TYPE>
<MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
<MIME_DESCR>Produktbild</MIME_DESCR>
<MIME_ALT>Produktbild</MIME_ALT>
<MIME_PURPOSE>detail</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
<MIME_TYPE>image/jpg</MIME_TYPE>
<MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
<MIME_DESCR>Produktbild</MIME_DESCR>
<MIME_ALT>Produktbild</MIME_ALT>
<MIME_PURPOSE>thumbnail</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>
```

```

<MIME>
<MIME_TYPE>url</MIME_TYPE>
<MIME_SOURCE>
https://
. .jpg</MIME_SOURCE>
<MIME_DESCR>Artikelbild D54304</MIME_DESCR>
<MIME_ALT>Artikelbild D54304</MIME_ALT>
<MIME_PURPOSE>normal</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
<MIME_TYPE>url</MIME_TYPE>
<MIME_SOURCE>
https://
. .jpg</MIME_SOURCE>
<MIME_DESCR>Artikelbild D54304</MIME_DESCR>
<MIME_ALT>Artikelbild D54304</MIME_ALT>
<MIME_PURPOSE>thumbnail</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
<MIME_TYPE>url</MIME_TYPE>
<MIME_SOURCE>
https://
. .jpg</MIME_SOURCE>
<MIME_DESCR>Artikelbild D54304</MIME_DESCR>
<MIME_ALT>Artikelbild D54304</MIME_ALT>
<MIME_PURPOSE>detail</MIME_PURPOSE>
<MIME_ORDER>1</MIME_ORDER>
</MIME>

```

## 8. Product labeling

### a) Hazardous substance labeling

The following fields must be completed for labeling hazardous substances in BMEcat catalogs:

- Element: Special Treatment
- Images: Hazardous substance pictograms
- Attachments: safety data sheets

#### Element: Special Treatment

The element <SPECIAL\_TREATMENT\_CLASS type = "GHS"> must be filled in according to the manufacturer's information. „GHS“ ist in Versalien bzw. Großbuchstaben zu definieren:

```

<SPECIAL_TREATMENT_CLASS type="GHS">GHS05</SPECIAL_TREATMENT_CLASS>
<SPECIAL_TREATMENT_CLASS type="GHS">GHS07</SPECIAL_TREATMENT_CLASS>

```

#### Images: Hazardous substance pictograms

All ghs pictograms are included in the “DB Marktplatz Supplier Package” or can be sent to you by the DB Marktplatz team.

The pictograms that apply to an item must be referenced after the product images (see MIME\_ORDER 1 and MIME\_ORDER 2).

Each image version is stored three times:

- “Thumbnail“
- “Normal“
- “Detailed“



The MIME\_ORDER specifies the order of the images. The same sequence number must be stored for an image version.

The image dimensions for Ariba should not be larger than a maximum of 250x250 px for static images and a maximum of 500x500 px when the images are integrated via URL. The max. image size is 90KB.

The embedding of the (static) images for hazardous material items should look like this:

```

<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
  <MIME_DESCR>Produktbild</MIME_DESCR>
  <MIME_ALT>Produktbild</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
  <MIME_DESCR>Produktbild</MIME_DESCR>
  <MIME_ALT>Produktbild</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>Diesin.jpg</MIME_SOURCE>
  <MIME_DESCR>Produktbild</MIME_DESCR>
  <MIME_ALT>Produktbild</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS05.jpg</MIME_SOURCE>
  <MIME_DESCR>05_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 05 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS05.jpg</MIME_SOURCE>
  <MIME_DESCR>05_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 05 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS05.jpg</MIME_SOURCE>
  <MIME_DESCR>05_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 05 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS07.jpg</MIME_SOURCE>
  <MIME_DESCR>07_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 07 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS07.jpg</MIME_SOURCE>
  <MIME_DESCR>07_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 07 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpg</MIME_TYPE>
  <MIME_SOURCE>GHS07.jpg</MIME_SOURCE>
  <MIME_DESCR>07_Gefahrstoffsymbol</MIME_DESCR>
  <MIME_ALT>GHS 07 Gefahrstoffsymbol</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>

```

## Safety data sheets

Safety data sheets according to REACH regulation (EC) No. 1907/2006 or (EU) No. 453/2010 must be referenced as attachments (see MIME\_ORDER 4).

Data sheets can be stored statically as a file or dynamically integrated via URL:

```
<MIME>
  <MIME_TYPE>url</MIME_TYPE>
  <MIME_SOURCE>https://produktdatenblatt.pdf</MIME_SOURCE>
  <MIME_DESCR>Sicherheitsdatenblatt</MIME_DESCR>
  <MIME_ALT>Sicherheitsdatenblatt</MIME_ALT>
  <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
  <MIME_ORDER>4</MIME_ORDER>
</MIME>
```

Please note:

According to a DB group-internal regulation, safety data sheets must not be older than two years. If the safety data sheets are older, please add a written confirmation that the information is up-to-date.

### **b) “That’s green.“ label**

Environmentally friendly items are those items that are recommended by DB AG Purchasing due to their particularly sustainable features or properties.

Only those items are marked as environmentally friendly that carry the established environmental label:

- Blue Angel
- Nordic Swan
- EU Ecolabel
- TCO
- organic label
- FSC
- PEFC

In addition, they should bear the DB label "That's green."

In the BMEcat catalog, the item-specific element must be filled in accordingly:

```
<BUYER_AID type="GREEN">green</BUYER_AID>
<SPECIAL_TREATMENT_CLASS type="dbgreen">true</SPECIAL_TREATMENT_CLASS>
```

Please note that the combination of both lines must first correctly identify the item and that the dbgreen must be written in lowercase letters.

Both the “That's green.” Label from DB and all other environmental seals are included in the “DB Marktplatz Supplier Package” or can be sent to you by the DB Marktplatz team. The seals that apply to an item must be referenced according to the product images (see here MIME\_ORDER 1) (see here MIME\_ORDER 2 and MIME\_ORDER 3).

Each image version is stored three times:

- “Thumbnail“
- “Normal“
- “Detailed“

The MIME\_ORDER specifies the order of the images. The same sequence number must be stored for an image version.

The image dimensions for Ariba should not be larger than a maximum of 250x250 px for static images and a maximum of 500x500 px when the images are integrated via URL. The max.image size is 90KB.

Please note:

The “That’s green.” Label should be given as the first file after the item images, followed by the environmental seal.

Alternatively, hyperlinks to the corresponding images can also be used here.

The embedding of the (static) images for environmentally friendly items should look like this:

```

<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Vokabelheft.jpg</MIME_SOURCE>
  <MIME_DESCR>Vokabelheft</MIME_DESCR>
  <MIME_ALT>Vokabelheft</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Vokabelheft.jpg</MIME_SOURCE>
  <MIME_DESCR>Vokabelheft</MIME_DESCR>
  <MIME_ALT>Vokabelheft</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Vokabelheft.jpg</MIME_SOURCE>
  <MIME_DESCR>Vokabelheft</MIME_DESCR>
  <MIME_ALT>Vokabelheft</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>1</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Dasistgrün.jpg</MIME_SOURCE>
  <MIME_DESCR>Dasistgrün</MIME_DESCR>
  <MIME_ALT>Dasistgrün</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Dasistgrün.jpg</MIME_SOURCE>
  <MIME_DESCR>Dasistgrün</MIME_DESCR>
  <MIME_ALT>Dasistgrün</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>Dasistgrün.jpg</MIME_SOURCE>
  <MIME_DESCR>Dasistgrün</MIME_DESCR>
  <MIME_ALT>Dasistgrün</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>blauerengel.jpg</MIME_SOURCE>
  <MIME_DESCR>BlauerEngel</MIME_DESCR>
  <MIME_ALT>BlauerEngel</MIME_ALT>
  <MIME_PURPOSE>normal</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>blauerengel.jpg</MIME_SOURCE>
  <MIME_DESCR>BlauerEngel</MIME_DESCR>
  <MIME_ALT>BlauerEngel</MIME_ALT>
  <MIME_PURPOSE>detail</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>image/jpeg</MIME_TYPE>
  <MIME_SOURCE>blauerengel.jpg</MIME_SOURCE>
  <MIME_DESCR>BlauerEngel</MIME_DESCR>
  <MIME_ALT>BlauerEngel</MIME_ALT>
  <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  <MIME_ORDER>3</MIME_ORDER>
</MIME>

```

Product sheets with detailed information on the environmental seal are referenced as attachments (see here MIME\_ORDER 4). Like images, they can be specified statically and uploaded via zip file or as hyperlinks to the corresponding documents.

```

<MIME>
  <MIME_TYPE>application/pdf</MIME_TYPE>
  <MIME_SOURCE>Produktblätter.pdf</MIME_SOURCE>
  <MIME_DESCR>Produktblätter</MIME_DESCR>
  <MIME_ALT>Produktblätter</MIME_ALT>
  <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
  <MIME_ORDER>4</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>application/pdf</MIME_TYPE>
  <MIME_SOURCE>Produktblätter.pdf</MIME_SOURCE>
  <MIME_DESCR>Produktblätter</MIME_DESCR>
  <MIME_ALT>Produktblätter</MIME_ALT>
  <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
  <MIME_ORDER>4</MIME_ORDER>
</MIME>
<MIME>
  <MIME_TYPE>application/pdf</MIME_TYPE>
  <MIME_SOURCE>Produktblätter.pdf</MIME_SOURCE>
  <MIME_DESCR>Zertifikat</MIME_DESCR>
  <MIME_ALT>Zertifikat</MIME_ALT>
  <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
  <MIME_ORDER>2</MIME_ORDER>
</MIME>

```

### c) Hazardous substances with environmental seals

If an item is labeled as a hazardous substance and also has one or more of the environmental seals listed above, this item should

- continue to be listed as hazardous substances as described,
- continue to be labeled as "environmentally friendly" and
- contain the environmental labels (image files, product sheets).

However, the DB label "This is green." (The image file) may NOT be used on this item.

In this case, please take into account the order of the image files:

- d) Item images
- e) GHS pictograms
- f) Environmental seal (Blauer Engel, Nordic Swan, EU Ecolabel, TCO, Bio-Label, FSC or PEFC)

## 9. Delivery Time

Required field from DB. Please specify the delivery time in days as agreed in the framework contract. For example, if you have "1 week" delivery time, enter "7".

The delivery times should be the reality and we expressly ask for an adjustment in the catalog if you cannot comply the specified delivery time for an item.

example: 3

If an item is not available, please update the catalog immediately, but no later than the next working day.

Example:

```
<DELIVERY_TIME>2</DELIVERY_TIME>
```

## 10. Keywords (with follow-up items)

Required field from DB. Keywords are important for searching within the DB Marktplatz, so it is important that alternative search terms, synonyms or other contextual terms, etc. be deposited. They are not visible to the user.

If items are no longer available and successor items are added to the catalog, the previous item no. to maintain. Enter up to ten item-relevant keywords.

Avoid verbs, adjectives, subjunctive words, connective words (e.g. "with", "for", "with", "and", etc.); Enter the manufacturer name and other properties that are already used in other fields in the catalog.

Example:

```
<KEYWORD>Mobile Computing</KEYWORD>
<KEYWORD>Notebooks / Tablets</KEYWORD>
<KEYWORD>Notebooks WWAN</KEYWORD>
```

## 11. Related items

Several items can be linked with one another via item references, for example to store accessories for an item or similar items.

Reference items are displayed at the end of the product detail page. Linking is only possible within a catalog.

The following types of references can be used:

- accessories
- similar (alternative / similar item)
- sparepart (spare part)
- mandatory (mandatory item that must be purchased for the item)

Example:

```
<ARTICLE_REFERENCE type="accessories">
<ART_ID_TO>4749506</ART_ID_TO>
```

## 12. Formatting and uploading the catalog

Before uploading the catalog over the SAP Business Network, it has to be guaranteed that

- all cells in both workbooks (headers & items) are formatted to text.
- The "Instructions" and "Sample Formats" worksheets are removed.

### 12.1 Catalog upload

For the upload log in to the [SAP Business Network](#) and navigate to the menu item “Catalogs”. If you are uploading a catalog for the first time, create a new catalog subscription:

Customer Name	Catalog Name	Version	File Name	Type	Size	Visibility	Created By	Date Created	Status	Date Status Received
Deutsche Bahn AG - TEST	C140000999	2	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Validated by Customer	19 Apr 2023
Deutsche Bahn AG - TEST	C140000999	1	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	C140000123	3	Catalog_C140000123_DB.xlsx	EXCEL	77 KB	Private		18 Apr 2023	Activated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	2	ExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	38 KB	Private	Agata Pinske	12 Apr 2021	Deactivated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	1	emptyExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	41 KB	Private	Agata Pinske	9 Apr 2021	Deactivated	12 Apr 2021

When uploading via the SAP Business Network for the first time, enter the catalog name in the first step "Details" (starting with "C"). You will receive this from the DB Marktplatz team.

In the next step "Subscriptions" you set the visibility to "Private" and check the box for the customer Deutsche Bahn AG.

**Subscriptions**

Visibility:  Private - Only the selected customers that have a trading relationship with you can view and receive the catalog  
 Public - All customers can view the catalog. Customers that have a trading relationship with you can also receive the published catalog

Customers	Catalog Validation Rules	Validation Status for Version 1
<input checked="" type="checkbox"/> Customers 1		
<input checked="" type="checkbox"/> Deutsche Bahn AG - TEST	<a href="#">View</a>	Pending Validation

In the last step, upload the BMECAT catalog file including the attachments (if you have created a separate image file and do not use URLs for the attachments). Please make sure that you select BMECAT for the catalog file format, otherwise the upload will fail.

**UPLOAD YOUR CATALOG AND ATTACHMENT FILES**

Catalog File Format: **BMECAT**

Catalog File: Keine ausgewählt

Images and Attachments File: Keine ausgewählt

! After you click, Validate and Publish, please wait for the catalog to finish uploading. Large catalogs may take several minutes to upload and you will be redirected to the catalogs page upon completion

**Validate and Publish**

Download templates/Guidelines

CIF, BMECat and Excel Templates/Guidelines

CIF 2.1 Catalog Example  
 CIF 3.0 Catalog Example  
 CIF 3.0 Services Example  
 Excel Catalog Example  
 BMECat Guidelines

Notes:

1. The recommended maximum upload file size is 200MB.

## 12.2 Catalog update

When updating the catalog, you will overwrite the corresponding catalog version. To do this, select the corresponding catalog and click the "View/Edit" button (the catalog name remains the same).

Catalogs

Files: PunchOut Configuration

Manage

Customer Name ↑	Catalog Name	Version	File Name	Type	Size	Visibility	Created By	Date Created	Status	Date Status Received
Deutsche Bahn AG - TEST	C140000999	2	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Validated by Customer	19 Apr 2023
Deutsche Bahn AG - TEST	C140000999	1	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	Test SA Catalog	4	Catalog_C140000123.xlsx	EXCEL	62 KB	Private	Nora Philipp	16 Aug 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	C140000123	3	Catalog_C140000123_DB.xlsx	EXCEL	77 KB	Private	Nora Philipp	18 Apr 2023	Activated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	2	ExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	38 KB	Private	Agata Pinske	12 Apr 2021	Deactivated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	1	emptyExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	41 KB	Private	Agata Pinske	9 Apr 2021	Deactivated	12 Apr 2021

View/Edit Test Delete Create Refresh Catalog Name Search Catalog

At the first step "Details" no editing is necessary and you click on "Next".

The screenshot shows the 'Edit a Catalog' interface in SAP Business Network. The left sidebar has three steps: 1. Details (highlighted with a red box), 2. Upload Catalog File, and 3. Content. The main area contains the following information:

- Enter a catalog name and descriptive text. Customers can search using this information. Add commodity codes to your catalog.
- Catalog Name: C140000999
- File Name: C140000999-DB.xml
- Created By: Nora Philipp
- Date Created: Wednesday 19 Apr 2023 1:44 PM GMT+02:00
- Version: 2
- Size: 31 KB
- Item Count:
- Type: BMECAT
- Status: Published
- Description: [Text area with a character count of 1000]
- Commodities: [List area with 'No items' and 'Delete'/'Add' buttons]

The 'Next' button in the top right corner is highlighted with a red box.

In the next step "Upload Catalog File" you upload the BMECAT catalog file including the attachments (if you have created a separate image file and do not use URLs for the attachments):

The screenshot shows the 'Edit a Catalog' interface in SAP Business Network, Step 2: Upload Catalog File. The left sidebar has three steps: 1. Details, 2. Upload Catalog File (highlighted with a red box), and 3. Content. The main area contains the following information:

- UPLOAD YOUR CATALOG AND ATTACHMENT FILES
- Catalog File Format: BMECAT (dropdown menu)
- Catalog File: [Datei auswählen] Catalog\_...000999.xml
- Images and Attachments File: [Datei auswählen] attachme...000999.zip
- ! After you click, Validate and Publish, please wait for the catalog to finish uploading. Large catalogs may take several minutes to upload and you will be redirected to the catalogs page upon completion
- Validate and Publish (button highlighted with a red box)
- Download templates/Guidelines
- CIF, BMECat and Excel Templates/Guidelines
  - CIF 2.1 Catalog Example
  - CIF 3.0 Catalog Example
  - CIF 3.0 Services Example
  - Excel Catalog Example
  - BMECat Guidelines
- Notes:
  - 1. The recommended maximum upload file size is 200MB.

The 'Previous' and 'Exit' buttons are visible in the top right corner.



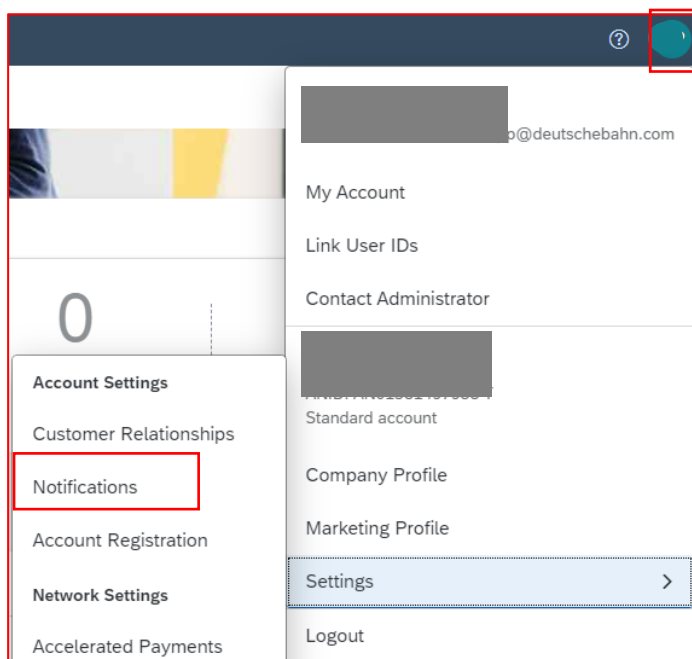
After you press the button "Validate and Publish", the page loads for a moment. After a successful systemic catalog check, you will be automatically redirected to the catalog overview:

Customer Name	Catalog Name	Version	File Name	Type	Size	Visibility	Created By	Date Created	Status	Date Status Received
Deutsche Bahn AG - TEST	C140000999	3	Catalog_C140000999.xml	BMECAT	10 KB	Private	Nora Philipp	16 Aug 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	C140000999	2	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Validated by Customer	19 Apr 2023
Deutsche Bahn AG - TEST	C140000999	1	C140000999-DB.xml	BMECAT	31 KB	Private	Nora Philipp	19 Apr 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	C140000123	4	Catalog_C140000123.xlsx	EXCEL	62 KB	Private	Nora Philipp	16 Aug 2023	Pending Buyer Validation	
Deutsche Bahn AG - TEST	C140000123	3	Catalog_C140000123_DB.xlsx	EXCEL	77 KB	Private	Nora Philipp	18 Apr 2023	Activated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	2	ExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	38 KB	Private	Agata Pinske	12 Apr 2021	Deactivated	18 Apr 2023
Deutsche Bahn AG - TEST	Test SA Catalog	1	emptyExcelTemplate-2020-03-25_TEST SA Supplier.xlsx	EXCEL	41 KB	Private	Agata Pinske	9 Apr 2021	Deactivated	12 Apr 2021

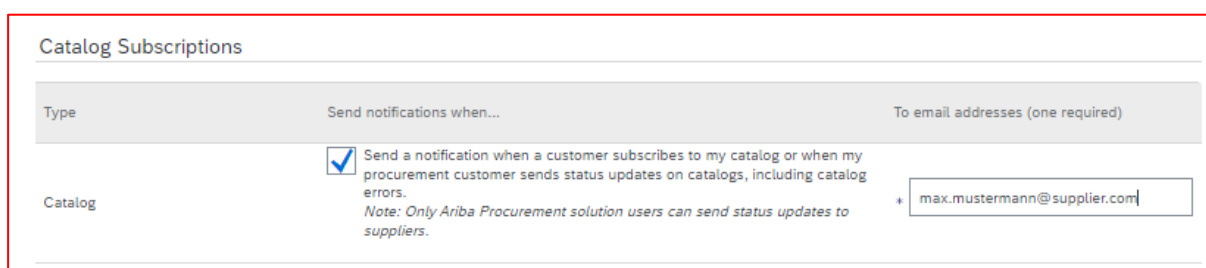
You can also learn how to upload your catalog to the SAP Business Network in the following SAP video: <https://support.ariba.com/item/view/187006>

### 12.3 Catalog Status Email Notifications

If you upload a catalog and want to be informed when the catalog status changes, set this up in the SAP Business Network. To do this, click on your name initials at the top right in the SAP Business Network → Settings → Notifications.



In the Catalog Subscriptions section, check Catalog and enter an e-mail address to which the notifications should be sent.



The following e-mail notifications from the SAP Business Network are sent regarding the respective status of the catalog update.

**Deutsche Bahn AG Has Received** Catalog C140000123 - Notification from Ariba Network  
→ The catalog was uploaded to the SAP Business Network.

**Deutsche Bahn AG Has Validated** Catalog C140000123 - Notification from Ariba Network  
→ The catalog was successfully transferred to Deutsche Bahn via SAP Business Network.

**Deutsche Bahn AG Has Approved** Catalog C140000123 - Notification from Ariba Network  
→ The catalog was successfully approved by DB Procurement department.

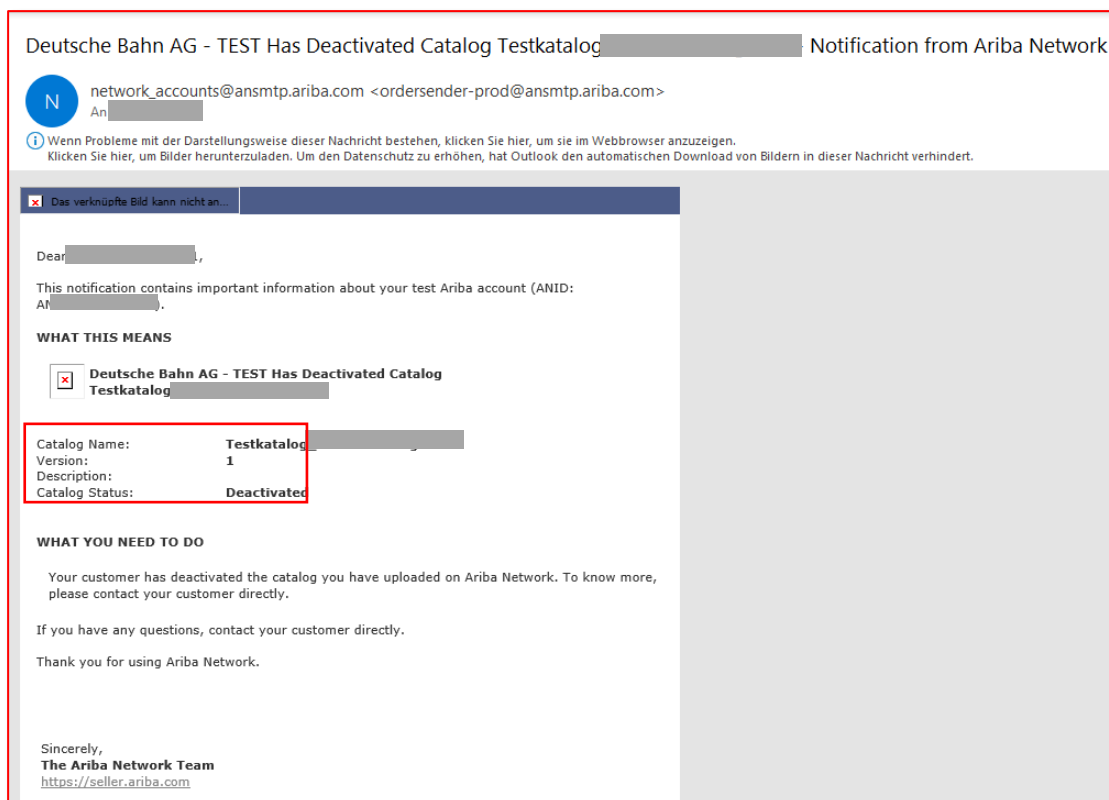
**Deutsche Bahn AG *Has Activated* Catalog C140000123 - Notification from Ariba Network**

→ After the catalog has been approved by DB Procurement department, it is activated. The activation process can take several hours.

**Deutsche Bahn AG *Has Deactivated* Catalog C140000123 - Notification from Ariba Network**

→ The catalog has been deactivated by Deutsche Bahn. Please note that always with the new catalog update, once the new version has been approved and activated, the previous catalog version will be deactivated.

The following is an example email notification for a deactivated catalog version. In each email you will see again the catalog name (C14.....), the version of the catalog and the current status:



### 13. Contact

If you have any questions about the creation of a catalog in BMEcat format, please contact [supplierintegration@deutschebahn.com](mailto:supplierintegration@deutschebahn.com)



## 14. BMEcat field specifications

BMEcat Fields				Format <b>blue</b> = different	Mandatory/ Optional BMEcat	DB AG customized	Check	annotation	Notices
BMEcat				STRING(7)	M		version="1.2"	BMEcat Version "1.2" only	Supported. Only 1.2 is allowed
HEADER					M				
	GENERATOR_INFO			STRING (250)	O				Not supported
	CATALOG				M				
		LANGUAGE		LANG (3)	M		Content = DEU or deu	only „DEU“ or „deu“	Supported. Applied to all catalog items
		CATALOG_ID		STRING (20)	M			Unique catalog ID as specified by DB AG e.g. : C140000XXX	Not functional impact
		CATALOG_VERSION		SRING(7)	M			is not used, but specified as a mandatory field	We use existing Subscription versioning.
		CATALOG_NAME		STRING (100)	O	M		System: Assortment - supplier name	We use the name given in import Catalog UI
		DATETIME type="generation_date"			O			Date of creation of the catalog	Date and time when the catalog was imported is considered
			DATE	DATETYPE	M			z.B.: 20016-04-01	
			TIME	TIMETYPE	O			z.B.: 23:13:00	
			TIMEZONE	TIMEZONETYPE	O				
		TERRITORY		COUNTRIES (2)	O	M		Mapping of country-specific catalogs possible, e.g. DE, CH,	Supported. Applied to all



								NL	catalog items. TerritoryAvailable
		CURRENCY			CURRENCIES (3)	O			Supported. 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.
		MIMEROOT			STRING (100)	O		Is not being used	Not supported
		PRICE_FLAG	type=incl_freight type=incl_packing type=incl_assurance type=incl_duty		SRTING (50)	O			Supported
	BUYER					O	M		
		BUYER_ID	type=buyer_specific		String (50)	O		Is not being used	Not Supported
		BUYER_NAME			String (50)	M	„Deutsche Bahn AG“	Necessary for catalog review	
		ADDRESS	type=buyer		String (8)	O		Is not being used	Not Supported
			NAME		String (50)	O			
			NAME2		String (50)	O			
			NAME3		String (50)	O			
			CONTACT		String (50)	O			
			STREET		String (50)	O			
			ZIP		String (20)	O			
			BOXNO		String (20)	O			
			ZIPBOX		String (20)	O			
			CITY		String (50)	O			
			STATE		String (50)	O			



			COUNTRY		String (50)	O				
			PHONE		String (30)	O				
			FAX		String (30)	O				
			EMAIL		String (100)	O				
			PUBLIC KEY		String 64.000	O				
			URL		String (100)	O			Is not being used	Not Supported
			ADRESS_REMARKS		String (250)	O			Is not being used	Not Supported
	<b>AGREEMENT</b>					O			Is not being used	Not Supported
		AGREEMENT_ID			String (50)	M				
		DATETIME	type=agreement_start_date		DATETIME	O				
		DATETIME	type=agreement_end_date		DATETIME	M				
	<b>SUPPLIER</b>					M				Supported
		SUPPLIER_ID	type="buyer_specific"  type=supplier_specific		String (50)	O				Supplier chosen during catalog import is used.
						O	M	ANxxxxxxxxxxx	Supplier's Ariba Network ID	Extensions will be expected in future
		SUPPLIER_NAME			String (50)	M			Supplier's name	Ignored. Supplier chosen during catalog import is used.
		ADDRESS	type=supplier			O			Address details are to be supplied separately and are stored in the DB AG supplier database	Not supported. Address is part of supplier Master Data
			NAME		String (50)	O				
			NAME2		String (50)	O				
			NAME3		String (50)	O				
			CONTACT		String (50)	O				
			STREET		String (50)	O				



			ZIP		String (20)	O			
			BOXNO		String (20)	O			
			ZIPBOX		String (20)	O			
			CITY		String (50)	O			
			STATE		String (50)	O			
			COUNTRY		String (50)	O			
			PHONE		String (30)	O			
			FAX		String (30)	O			
			EMAIL		String (100)	O			Not supported. Address is part of supplier Master Data
			PUBLIC KEY		String 64.0000	O			Not supported
			URL		String (100)	O		is not being used	Not supported
			ADRESS_REMARKS		String (250)	O			
T_NEW_CATALOG						M	NOT NULL	T_NEW_CATALOG is expected as the standard transaction for data provision.	Supported
	FEATURE_SYSTEM					O		not required, as it is set to eclass-8.1	Not supported
		FEATURE_SYSTEM_NAME			String (50)	M			Not supported
		FEATURE_SYSTEM_DESCRIPTOR			String (250)	O			Not supported
		FEATURE_GROUP				M			Not supported
	CLASSIFICATION_SYSTEM					O		Is not being used Not used, classification to declare in ARTICLE_FEATURE	Not supported
		...							
	CATALOG_GROUP_SYSTEM					O		Is not being used	Not supported
		GROUP_SYSTEM_ID				O			
		GROUP_SYSTEM_NAME				O			
		CATALOG_STRUCTURE	type=root type=node			M			



			type=leaf						
			GROUP_ID			M			
			GROUP_NAME			M			
			GROUP_DESCRIPTION			O			
			PARENT_ID			M			
			GROUP_ORDER			O			
			KEYWORD			O			
		GROUP_SYSTEM_DES CRPTION				O			
	ARTICLE					O	M		Only full updates are permitted
		SUPPLIER_AID				STRING(35)	M	SAP: max. 35 Zeichen	Supported
		ARTICLE_DETAILS					M		
			DESCRIPTION_SHORT			STRING(80)	M		Short text is displayed with 80 characters in Ariba but only posted with 40 characters in the backend
			DESCRIPTION_LONG			STRING(2000)	O	M	Long text up to 2000 characters long, the entire length is only shown in the catalog system! SAP transfer up to 1024 characters.
			EAN			STRING(14)	O		Please fill in if available.
			SUPPLIER_ALT_AID			STRING(35)	O		Is not being used
			BUYER_AID *			STRING(18)	O	type and value are case sensitiv	max. 1 value of each type, other types are not permitted Please fill in if available.
			type="CERTIFIED"				O	<BUYER_AID type="CERTIFIED">Prüfstufen</BUYER_AID>	DB AG certified article Specification of agreed test levels
			type="SAP_MATNR"				O	<BUYER_AID type="SAP_MATNR">xxxxx</BUYER_AID>	DB AG SAP material number
			type="GREEN"				O	<BUYER_AID type="GREEN">green</BUYER_AID>	ECO article (environmentally friendly products), the value must be stated.
			type="vehiclemanufacter"				O	<BUYER_AID type="vehiclemanufacturer">xxxx</BUYER_AID>	z.B. Bus manufacturer name



				type="vehiclemanuf cturerpartID"		O		<BUYER_AID type="vehiclemanufacturerpar tID">xxxxx </BUYER_AID>	z.B. Item number of the bus manufacturer	
			MANUFACTURER_AID		STRING (50)	O			Manufacturer item number	Supported
			MANUFACTURER_NA ME		STRING (50)	O			Manufacturer name	Supported
			MANUFACTURER_TYP E_DESCR		STRING (50)	O			Is not being used	Not supported
			ERP_GROUP_BUYER		STRING(10)	O			Is not being used	Not supported
			ERP_GROUP_SUPPLIE R		STRING(10)	O			Is not being used	Not supported
			DELIVERY_TIME		INTEGER(6)	O	M		Integer in days	Supported. Mapped to Lead time
			SPECIAL_TREATMENT _CLASS *	type="dangerous_goo ds" type="GHS" type="GHSSIGNAL"	STRING(20)	O		<SPECIAL_TREATMENT_C LASS type="dangerous_goods">401 1<SPECIAL_TREATMENT_C LASS>  type="GHS" valid values: GHS02, GHS04, GHS05, GHS07, GHS08, GHS09  type="GHSSIGNAL" Values: A, D  Examples:  <SPECIAL_TREATMENT_CLASS type="GHS">GHS02</SPECIAL_TRE ATMENT_CLASS>  <SPECIAL_TREATMENT_CLASS type="GHSSIGNAL">A</SPECIAL_TR EATMENT_CLASS>	<SPECIAL_TREATMENT_CLASS type = "GHSSIGNAL"> A </SPECIAL_TREATMENT_CLASS >  GHSSIGNAL = A -> Representation of signal word "Attention!" (en) or "Attention!" (de)  GHSSIGNAL = D -> Representation of the signal word "Danger!" (en) or "Danger!" (de)  type = dangerous_goods value is a 4 digit code regarding GGVSEB regulation  Regulations  Codes according to GGVSEB (Hazardous goods regulation for road, rail and inland	



									waterways)  Globally Harmonized System of Classification, Labeling and Packaging of Chemicals (GHS)  CLP (Classification, Labeling and Packaging)  Notice  Mandatory element when product contains dangerous substance in addition are to deliver security sheets in MIME structure	
			KEYWORD *		STRING(50)	O			Multiple entries possible, a maximum of 50 characters per keyword	Multiple keywords are Supported
			REMARKS		STRING(50)	O			Is not being used	Not supported
			SEGMENT		STRING(100)	O			Is not being used	Not supported
			ARTICLE_ORDER			O			Is not being used	Not supported
			ARTICLE_STATUS *	type=others type=new type=bargain type=new_article type=old_article type=refurbished type=used type=core_article		O		<ARTICLE_STATUS type=core_article>true </ARTICLE_STATUS>	Defines the specificity of the article. In the live system only type = core_article used for top article identification.  Allowed values: "True" or "false"	If the core_article is set to TRUE, set IsPreferred to TRUE  only used type=core_article
			ARTICLE_FEATURE			O	M			
			REFERENCE_FEATURE_SYSTEM_NAME			O	M	Content = „eclass-8.1“ or „eclass81“ or „eclass-8.0“ or „eclass80“ or „ECLASS-8.1“ or „ECLASS81“ or = „ECLASS-8.0“ or „ECLASS80“		Supported
			REFERENCE_FEATURE_GROUP_ID			O	M		eclass 8.0 is upward compatible	Supported



			Oder					eclass without hyphens, e.g. : 21030415.	
			REFERENCE_FEATURE _GROUP_NAME						
			FEATURE			O		Is not being used	Not supported
				FNAME		M			
				VARIANTS		M			
				VARIANT*		M			
					FVALUE	M			
					SUPPLIER_AID_ SUPPLEMENT	M			
				FVALUE		M			
				VORDER		M			
				FUNIT		O			
				FORDER		O			
				FDESCR		O			
				FVALUE_DETAILS		O			
		ARTICLE_ORDER_DET AILS				M			Supported
			ORDER_UNIT		PUNIT	M	Content in defined subset	Permissible order units according to the above list from UN / ECE 20	Supported
			CONTENT_UNIT		PUNIT	O		Is not being used	Not supported
			NO_CU_PER_OU		NUMBER	O		Is not being used	Not supported
			PRICE_QUANTITY		NUMBER	O	Default=1 Content >= 1 Eintrag 0 unzulässig	Number of order units to which the price refers	Supported. Mapped to PriceBasisQuantit y
			QUANTITY_MIN		INTEGER	O	Content >= 1	Content >= 1 Default=1	Supported
			QUANTITY_INTERVAL		INTEGER	O	Content >= 1	Content >= 1 Default=1	Supported
		ARTICLE_PRICE_DET ALS				M		ARTICLE_PRICE_DETAILS is only expected once.	



			DATETIME type="valid_start_date"			O		Datumsstruktur komplett entfernen, wenn Datum nicht angegeben wird.	<b>Only one expiration date allowed.</b>	<b>Not supported</b>
			DATETIME type="valid_end_date"			O		Datum nur im Fall von Sonderaktionen angeben (z.B. Verfügbarkeit von Produkten in einem beschränkten Zeitraum)	When the valid end date is reached, the article is no longer visible and cannot be ordered.	<b>Supported</b>
			DAILY_PRICE		BOOLEAN	O			Is not being used	<b>Not supported</b>
			ARTICLE_PRICE			M			<b>At least one of the four price_types must be filled in accordance with BMEcat - for DB AG price_type = net_customer must always be used.</b>	
			Attribute:	Price_type="net_list"		O	-		Is not being used	<b>Not supported</b>
				Price_type=gros_list		O	-		Is not being used	<b>Not supported</b>
				Price_type=net_customer		O	M	Not Null	Custom net price	<b>Supported</b>
				Price_type=udp_xxx		O	-		Is not being used	<b>Not supported</b>
				PRICE_AMOUNT	NUMBER	M		1.) Prüfung Lower Bound auf aufsteigende Menge. 2.) falls 2 gleiche Werte = Fehler 3.) Prüfung/ Sortierung : wenn nicht aufsteigend sortiert: aufsteigend sortieren 4.) Prüfung PRICE_AMOUNT auf absteigenden Preis, wenn nicht absteigend = Fehler	max. 9 pre-decimal places and max. 2 post-decimal places. Note on the presentation of graduated prices: please set prices (PRICE_AMOUNT) that decrease with increasing quantity (LOWER_BOUND). Overlapping price scales are not permitted; Only point allowed as decimal separator!	<b>Supported</b>
				PRICE_CURRENCY		O		EUR, USD, ...	Information in the article overwrites HEADER CURRENCY, if not available, the system default currency is assumed.	<b>Supported</b>
				TAX	NUMBER	O			is not used, is expected to be billed	<b>Not supported</b>



				PRICE_FACTOR	NUMBER(1)	O		If Content, Content=1 or 1.0 or 1.00	Net prices are always to be given for DB AG. Error if content is not equal to 1.	Supported
				LOWER_BOUND		O		1.) Prüfung Lower Bound auf aufsteigende Menge. 2.) falls 2 gleiche Werte = Fehler 3.) Prüfung/ Sortierung : wenn nicht aufsteigend sortiert: aufsteigend sortieren 4.) Prüfung PRICE_AMOUNT auf absteigenden Preis, wenn nicht absteigend = Fehler	max. 9 pre-decimal places and max. 2 post-decimal places. Note on the presentation of graduated prices: please set prices (PRICE_AMOUNT) that decrease with increasing quantity (LOWER_BOUND). Overlapping price scales are not permitted	Supported
				TERRITORY		O			Is not being used	Not supported
				MIME_INFO		O				
			MIME			M				
				MIME_TYPE	STRING(30)	O	M	Content = application/pdf, image/jpeg, image/jpg, image/gif, image/png, text/htm, text/html, text/plain, url	Valid combinations MIME_PURPOSE/MIME_TYPE: normal image/jpeg normal image/jpg normal image/gif normal image/png normal url thumbnail image/jpeg thumbnail image/jpg thumbnail image/gif thumbnail image/png thumbnail url detail image/jpeg detail image/jpg detail image/gif detail image/png detail url data_sheet application/pdf data_sheet text/html data_sheet text/htm data_sheet text/plain data_sheet url	Supported.

				MIME_SOURCE	STRING(250)	M		Dateiname; Verwendung von relativen Pfadangaben zugelassen (Unterverzeichnisse im ZIP)	All information required for the selection and purchase of an article must be available locally in the system and must therefore be transferred when the catalog is made available, since it cannot be guaranteed that the customer will have access to Internet addresses. External URLs are therefore only viewed as an additional source of information.	File name or URL address. Subdirectories supported within a compressed folder
				MIME_DESCR	STRING(250)	O				Supported
				MIME_ALT	STRING(50)	O				Supported
				MIME_PURPOSE	STRING(20)	O	M	thumbnail, normal, detail, data_sheet	Images = thumbnail, normal, detail, PDF = data_sheet;  The type "thumbnail" must not be used without one of the types "normal" or "detail".	Supported.  Thumbnail without a normal or a detail image is not supported
				MIME_ORDER	INTEGER	O		Wenn mehrere Bilder je MIME_PURPOSE-Typ oder für mehr als einen Typ ein Bild geliefert wird, dann ist MIME_ORDER zwingend anzugeben!	Note the 1: 1 relationship between "normal", "detail" and "thumbnail"! The relationship is established by the same value in MIME_ORDER. MIME_ORDER must be increased for additional images of each type.	Supported
				ARTICLE_REFERENCE		O				Supported
		Attribut: type	type="sparepart" type="similar" type="followup" type="mandatory" type="select" type="diff_orderunit" type="accessories" type="consists_of" type="others"		STRING(20)	M		type="sparepart" type="similar" type="followup" type="mandatory" type="select" type="accessories"	Subset usable; "Select" has no corresponding system behavior	Following types are supported: sparepart, similar, followup, mandatory, select, accessories
		Attribut: quantity			INTEGER	O				Not supported



			ART_ID_TO		STRING(18)	M			Reference articles (e.g. spare parts) that can be linked within the catalog, references to other customer catalogs or external catalogs are not supported.	Supported
			CATALOG_ID		STRING(20)	O			Is not being used	Not supported
			CATALOG_VERSION		STRING(7)	O			Is not being used	Not supported
	ARTICLE_TO_CATALOG_GROUP_MAP+					O			Is not being used	Not supported
		ART_ID				M			Is not being used	
		CATALOG_GROUP_ID				M			Is not being used	
		ARTICLE_TO_CATALOG_GROUP_MAP_ORDER				O			Is not being used	