Supplier Handbook

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Customer Project

The Marketplace Catalog Portal (MCP) is designed for uploading, validating, managing, and approving catalogs while considering both supplier and customer workflows.

This document provides detailed instructions on how suppliers can upload and update electronic catalog data. The process is based on prior negotiations and a finalized contract.

As a supplier, your responsibility is to provide your catalog in the required format and manage further business processes through the new system.

Your Points of Contact

For submitting your electronic catalog and general inquiries regarding the required format:

prodexa Hotline / prodexa Support
Tel.: 0231 …
Fax: 0231 …
E-Mail: cm-{customer}@prodexa.com

For questions regarding the integration process of your catalog into the {customer} system:
[…]

Catalog Creation Process

Overview of the Catalog Creation Process

From the submission of catalog data by you as a supplier to prodexa PIM, to the transfer and distribution of approved supplier catalogs to other systems (e.g., eCommerce platforms), the following process steps are carried out:

1. Submission of electronic catalog information (formats: {catalog template} or Excel) via the Self-Service Portal (MCP)
2. Importing catalog data into the catalog database
3. Image requirements: Each product must include an image, and if applicable, a technical drawing
4. Automated validation of imported data based on predefined rules
5. Correction of any erroneous data

Content Management by prodexa / Automated Catalog Processing:

- Importing catalog data into the {customer} catalog database
- Validation of imported data according to predefined rules

- Supplier communication if corrections are required
- Transfer of catalog data to the {customer} catalog management system

Content Management by {customer}:

- Validation of catalog data for accuracy and completeness of product information
- Verification of pricing data for commercial correctness
- Approval and transfer of catalog data to the catalog search engine as the foundation for procurement processes

Product Classification: Classification Name

For the {customer} system, the base classification used is {name of classification}. This classification system typically follows a multi-level hierarchical structure.

The eClass standard is a cross-industry product data standard for classifying and describing products and services. In prodexa PIM, this standard is used for enterprise-wide classification of goods and services of all kinds.

The eClass standard is a hierarchical system, similar to the UNSPSC classification, designed to group products and services. It consists of four hierarchy levels (classes):

1. Segment (Level 1)
2. Main Group (Level 2)
3. Group (Level 3)
4. Subgroup (Level 4)

In this hierarchy, a higher-level class encompasses its subordinate classes, meaning they are logically assigned to it. Consequently, a superior class is the union of its subordinate classes. The nodes of this tree structure are collectively referred to as material classes.

At Level 4 (Subgroup), eClass provides so-called feature lists. These features allow for the detailed description of products and services, enabling efficient searches within various catalogs. The features are defined by values, while associated keywords and synonyms help users quickly and accurately find product classes and their feature lists.

With access via either the hierarchy or keywords, both experts and occasional users can navigate the classification system efficiently to locate products for procurement.

Supplier Responsibilities

As a supplier, you are required to classify your products according to {name of classification}. If you have any questions regarding material classification in {name of classification}, please feel free to contact us. General information is also available online.

Important Note
Please ensure that all catalog items are classified exclusively according to the XXX eCl@ss level.

Permissible Units of Measure (UoM)

prodexa PIM follows a standardized system for Units of Measure (UoM) based on the ANSI/ISO standard. A predefined list of accepted unit codes must be used—please refer to the appendix or [insert list here].

General Requirements for Catalog and Pricing Data

To ensure consistency and accuracy in product data, please comply with the following requirements:

- Each product must be classified according to {name of classification}.
- The manufacturer's name and manufacturer's product number must be specified for every product.
- At least one product image is required.
- Each product should include both a short description and a long description, with the long description providing additional details beyond the short one.

Language and Currency

Product catalogs must be provided in the local language and local currency based on the target market.

Currencies:
→ link to table

Catalog Template Structure: Catalog Template or Excel

Suppliers can submit catalogs in various formats, including:

- CSV
- Excel
- BMEcat 2005
- BMEcat 1.2

Templates for these formats can be found in the appendix.

For the {customer} system, the preferred catalog exchange format is {catalog template}. If you are unable to provide your catalog in this format, you may submit it as an Excel file instead.

Case Sensitivity & Syntax
Proper syntax and case sensitivity are crucial, especially for classification names and units of measure. Incorrect formatting can result in processing errors.

Example:

✅ **ECLASS-5.1**
❌ **eClass-5.1** (Incorrect – leads to errors)

Achten Sie deshalb bitte darauf, dass genau diese Schreibweise „ECLASS-5.1“ in der gelieferten Datei eingehalten wird.

Catalog Template

By default, catalog data is provided in a {catalog template} file, supporting the following versions:

The **{catalog template} specification** can be downloaded from:
https://www.bme.de/services/bmecat/downloads_BMEcat/

A detailed field syntax and description can be found in the following sections.

Excel Format

The Excel template allows for the import of **product data, pricing, and product relationships**. Strict adherence to formatting requirements is necessary. Detailed instructions can be found in this guide and in the **MCP import template file** provided by prodexa.

⚙️ **Excel Data Validation**

- **Mandatory fields** (highlighted in red) must be filled out.
- **Optional fields** are recommended but not required.
- The structure of the template must not be altered.
- **Excel formulas are not allowed** in any field.

📌 **Common Errors to Avoid**
❌ Do not change the **header row** (column titles).
❌ Do not insert **blank rows** within the dataset.

❌ Do not use placeholders like "NN" (leave fields empty if unknown).
❌ Do not include **Excel functions** in data cells.
❌ Do not modify existing formatting, especially in **date fields**.
❌ Do not remove or hide columns.

Non-compliance with these rules may lead to **catalog rejection**.

Mandatory fields are essential for catalog production and must be provided to ensure correct processing. Some fields must also comply with predefined values, such as the order unit (UoM - Unit of Measure).

In the table below, mandatory fields are marked with "Yes" in the "Mandatory" column.

These fields are critical for technical validation and must be correctly filled out; otherwise, the catalog submission may be rejected.

Product Information (Tab "Products")

The standard Excel template includes a worksheet named "Products." This sheet contains all product-related data, such as product numbers, descriptions, and references to images. Prices are recorded in a separate worksheet.

Contract – Contract Template (Tab "Contract Product Data")

The standard Excel template includes a worksheet named "Contract Product Data." This sheet contains contract-related information such as lead time in days and order quantity details.

Price Catalog – Price Template (Tab "Prices")

The standard Excel template includes a worksheet named "Prices." This sheet contains all price-related information for individual products, including not only prices but also validity periods, minimum order quantities, etc.

Classifications (Tab "Classifications")

The standard Excel template includes a worksheet named "Classifications." This sheet contains information on product classifications, defining the assignment of products to classification groups. This influences the search options available to buyers/end users.

Accessories and Variants – Accessories Template (Tab "Relations")

The standard Excel template includes a worksheet named "Relations." This sheet contains information on product relationships, e.g.:
"Cable ABC" is an accessory for "Printer XYZ."
Product relationships are freely configurable and must be coordinated with {customer}.

Attribute Values (Tab "Attributes")

The standard Excel template includes a worksheet named "Attributes." This sheet contains information about the values assigned to product attributes/features.

Tabular Overview – Excel

Tab "Products"

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Special characters such as commas, slashes, etc., are not permitted.	Yes	AVL10001	Alphanumeric (35)
Product Description	A short, concise description including the brand name and product designation.	Yes	Shirt, Izod-Lacoste, Polo, 3 buttons, yellow, size M.	Alphanumeric (200)
EAN/GTIN	EAN/GTIN number of the product.	No	9771144875007	Numeric (13)
Manufacturer Name	Name of the original manufacturer.	No	Izod-Lacoste	Alphanumeric (50)

Manufacturer Product ID	The original manufacturer's product number for this product.	No	9864532	Alphanumeric (35)
Sales Unit	The unit that defines the packaging size/quantity in which a product is sold. The catalog will not be uploaded if invalid UoMs are used. EDIFact, ANSI, and ISO code lists are supported; the desired format will be coordinated with {customer}.	Yes	PK	Alphanumeric (3)
Content Quantity	This field is used if the content differs from the sales unit and refers to the number of units included in a package (e.g., a crate contains bottles).	No	6	Numeric (13)
Content Unit	The unit that defines the packaging size/quantity in which a product is delivered (e.g., bottle in crates). EDIFact, ANSI, and ISO code lists are supported; the desired format will be coordinated with {customer}.	No	BOT	Alphanumeric (3)

Long Product Description	A detailed, marketing-oriented description providing users with more product information. (Long descriptions can be formatted using HTML tags, depending on {customer}.)	No	Lightweight and comfortable polo shirt by Izod-Lacoste. Available in 4 colors: yellow, green, blue, and black. Sizes S–XXL.	Alphanumeric (2000)
Thumbnail Image	The thumbnail image appears next to the product on the search results page. Special characters and spaces are not allowed in file names. Images should be 80x80 pixels. If no thumbnails are available, this column can be copied from the "Image" column. Only the actual image file name should be entered in this column.	No	product_image_small.jpg	Alphanumeric (500)

Image	The product image displayed on the product detail page. For best results, image width and height should not exceed 200–500 pixels. Larger images will be resized to optimal dimensions. Special characters and spaces are not allowed in file names. Only the actual image file name should be entered.	No	product_image.gif	Alphanumeric (500)
Technical Document	Name of the file containing the technical specification. The file can also be made available online via a URL.	No	datasheet.pdf	Alphanumeric (50)
Technical Description	Technical specifications displayed on the product detail page.	No	Information text for the datasheet	Alphanumeric (2000)
Website	The URL of your company's website. Acceptance of "https" instead of "http" depends on the procurement system of {customer}. "http" is generally accepted and therefore preferred.	No	http://www.yourwebsite.com	Alphanumeric (50)

Keywords	Keywords are checked by the system when a user performs a search. Terms already included in the product description and name should not be repeated here, as they are already captured by full-text search. Keywords should be separated by commas.	No	cotton, men's polo, short-sleeved	Alphanumeric (2000)
Core Assortment	Is the product part of the core assortment?	No	N	Alphanumeric (1)
External Product ID	External product number for the product. Often used for storing SAP product IDs.	No	9864532	Alphanumeric (35)
Special Treatment Class	Hazardous goods can be assigned to a pre-defined hazard class created by the customer. Additional hazard pictograms can be stored in the search engine.	No	HazardousGoods	Defined by customer
Supplier ID	This field is only used if the catalog is a multi-supplier catalog.	No	12345_OC	Alphanumeric (35)
Configurable	Is the product configurable?	No	N	Alphanumeric (1)

Punchout	Is the product sold by another company through {customer}?	No	Y	Alphanumeric (1)
Special Offer	Is the product a special offer?	No	N	Alphanumeric (1)
For Sale	Is the product intended for sale?	No	Y	Alphanumeric (1)
Stocked	Is the product available in your inventory?	No		Alphanumeric (1)
Action Code	If the upload is an incremental update rather than a full catalog, enter the appropriate code for updates.			**I = Insert U = Update D = Delete**

Please note that the language-dependent fields may change depending on the selected language, such as the additional field "Product Long Descriptions."

Contract Product Data

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Must not contain special characters such as commas, slashes, etc.	Yes	AVL10001	Alphanumeric (35)
Contract ID		No	OC_4711_1	Alphanumeric
Lead Time (Days)	Estimated number of days until the product is delivered after receiving an order. Must be a whole number greater than zero. Text like "less than 14 days" is not allowed.	No	5	Numeric (4.0)

Minimum Order Quantity	The minimum quantity that must be ordered.	No	10	Numeric (10.2)
Maximum Order Quantity	The maximum quantity that may be ordered.	No	100	Numeric (10.2)
Order Quantity Interval	The quantity increments in which the product can be ordered.	No	10	Numeric (10.2)
Contract Period	The date until which the product can be ordered. In the search engine, the product will be displayed with a price and marked "on request" until this date is reached.	No	24.05.2024	Date (pay attention to formatting)
Contract Quantity				
Contract Value				
Contract Value Currency				

Tab Prices

Tab Prices

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Must not contain special characters such as commas, slashes, etc.	Yes	AVL10001	Alphanumeric (35)
Contract ID		No	OC_4711_1	Alphanumeric

Minimum Quantity	Minimum quantity for which the price is valid (default is 1).	No	1	Numeric (10.2)
Price	The price at which you sell one unit of the product or service. Must be a real positive value with two decimal places. Thousandths are not allowed. Currency symbols must not be included.	Yes	10.05	Numeric (10.2)
Currency	Currency code for this product, based on the ISO code list.	Yes	USD	Characters (3)
Price Unit	Ratio to the offered price, e.g., 10.05 € per 1000 units (default is 1).	No	1000	Numeric (12.0)
Price Valid From	Date from which the product can be ordered. In the search engine, the product will be displayed with a price and marked "on request" until this date is reached.	No	24.05.2024	Date (pay attention to formatting)
Price Valid Until	Date after which the product can no longer be ordered. In the "Search Manager," the product will be displayed with a price and marked "on request" after this date has passed.	No	30.12.2024	Date (pay attention to formatting)
VAT				
Price Type				
List Price	List price of the product. {customer} may define this field as mandatory. The end consumer does not see this information; it is used for transfer to the {customer} back-end system. The input must be numeric with two decimal places, without a currency symbol.	No	15.70	Numeric (10.2)

Tab Classifications

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Must not contain special characters such as commas, slashes, etc.	Yes	AVL10001	Alphanumeric (35)
Classification	Classification definition of the product.	Yes	ECLASS-5.1	Alphanumeric (30)
Classification Group	Classification group definition of the product (Group ID).	Yes	24311401	Alphanumeric (100)

Tab Relations

The Excel catalog template contains a worksheet named **"Relations."** This sheet includes all information about product relationships.

Multiple relationships per product are possible. A new row is created for each relationship.

Important: This tab should only be filled with data if product relationships exist and need to be displayed in the catalog. Otherwise, it can remain empty.

Tab Relations

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Must not contain special characters such as commas, slashes, etc.	Yes	AVL10001	Alphanumeric (35)
Referenced Product	Product number of the component.	Yes	AVL10002	Characters (35)

Type of Relationship	Defines the relationship type that links the referenced product to the main product. A relationship type can be an accessory, predecessor, spare part, variant, etc.			
Are there predefined relationship types from the customer?	Yes	Variant		
Quantity	Product quantity per set. If the quantity is not specified, "1" is assumed by default.	No		Numeric (10.2)
Sequence Number	If multiple referenced products exist for a product, the sequence number controls the display order on the search page.	Yes	10	Numeric (10.2)
Mandatory Field	If a product must be selected as an accessory, for example, this column should be filled with "Y" for the relevant products.	No	Y	Character (1) Y
Selection Group ID	The selection group ID allows products within a relationship type to be grouped.			

The selection group ID is not stored in the system. IDs/names can be freely assigned, but consistent naming should be ensured for identical relationships.	No		Buttons	Alphanumeric

Tab **Attribute**

Field	Definition	Required	Example	Syntax
Product ID	The product number for this product. Duplicate product numbers are not allowed. Must not contain special characters such as commas, slashes, etc.	Yes	AVL10001	Alphanumeric (35)
Attribute ID	The ID assigned to this attribute in the system.	Yes	Farbe_01	Alphanumeric (30)
Attribute Value	The value/characteristic of the attribute to be stored here.	Yes	orange	Alphanumeric (100)
Attribute Language	Specifies the "login language" for which the attribute value should be displayed in multilingual catalogs.			
A list of valid entries can be found in the appendix.	No		en, de, fr	

BMEcat - Classification Mapping

BMEcat is a standardized exchange format for catalog data in catalog management. The BMEcat format is based on XML technology and enables the standardized exchange of catalog data as well as product classification systems, such as eClass or UNSPSC in this case.

prodexa strictly adheres to the conventions of the BMEcat specification when importing your data.

Tabular Overview of BMEcat 1.2 Elements

Tabular Overview of BMEcat 1.2 Elements

Product Number
BMECAT/T_NEW_CATALOG/ARTICLE/SUPPLIER_AID

Product Description (de)
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/DESCRIPTION_SHORT

Product Long Description (de)
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/DESCRIPTION_LONG

Manufacturer Name
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/MANUFACTURER_NAME

Manufacturer Product Number
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/MANUFACTURER_AID

Keywords
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/KEYWORD

Image
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_SOURCE = {Image}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_PURPOSE = ‘normal’

Thumbnail Image
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_SOURCE = {Thumbnail}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_PURPOSE = ‘thumbnail’

Technical Document
Technical Document Description
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_SOURCE = {Technical Document}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_PURPOSE = ‘other’

Technical Document 2
Technical Document Description 2
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_SOURCE = {Technical Document 2}

BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description 2}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_PURPOSE = ‘other2’

Technical Document 3
Technical Document Description 3
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_SOURCE = {Technical Document 3}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description 3}
BMECAT/T_NEW_CATALOG/ARTICLE/MIME_INFO/MIME/MIME_PURPOSE = ‘other3’

EAN
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/EAN

Sales Unit
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/ORDER_UNIT

Packaging Quantity
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/NO_CU_PER_OU

Packaging Unit
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/CONTENT_UNIT

Valid From Quantity

BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_PRICE_DETAILS/ARTICLE_PRICE/LOWER_BOUND

Price

BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_PRICE_DETAILS/ARTICLE_PRICE/PRICE_AMOUNT

Price Unit
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/PRICE_QUANTITY

Currency

BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_PRICE_DETAILS/ARTICLE_PRICE/PRICE_CURRENCY

Minimum Quantity
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/QUANTITY_MIN

Quantity Interval
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_ORDER_DETAILS/QUANTITY_INTERVAL

Lead Time (in Days)
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_DETAILS/DELIVERY_TIME

Tax Rate
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_PRICE_DETAILS/ARTICLE_PRICE/TAX

Referenced Product
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_REFERENCE/ART_ID_TO

Type of Relationship
BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_REFERENCE[@type="accessories"]

Classification

BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_FEATURES/REFERENCE_FEATURE_SYSTEM_NAME

Classification Group

BMECAT/T_NEW_CATALOG/ARTICLE/ARTICLE_FEATURES/REFERENCE_FEATURE_GROUP_ID

BMEcat 1.2 Sample Data

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE BMECAT SYSTEM "bmecat_new_catalog_1_2.dtd">
<BMECAT version="1.2" xmlns="http://www.bmecat.org/bmecat/1.2/bmecat_new_catalog">
        <HEADER>
        <GENERATOR_INFO>#############</GENERATOR_INFO>
        <CATALOG>
        <LANGUAGE>eng</LANGUAGE>
        <CATALOG_ID>44</CATALOG_ID>
        <CATALOG_VERSION>044.000</CATALOG_VERSION>
        <CATALOG_NAME>Catalog 44</CATALOG_NAME>
        <DATETIME type="generation_date">
        <DATE>2014-##-##</DATE>
        <TIME>12:00:00</TIME>
        </DATETIME>
        <TERRITORY/>
        <CURRENCY>EUR</CURRENCY>
        </CATALOG>
        <BUYER>
        <BUYER_ID/>
```

<BUYER_NAME>BUYER</BUYER_NAME>
<ADDRESS type="buyer">
<NAME>BUYER_Name</NAME>
<STREET>Lindemannstrasse 79</STREET>
<ZIP>44137</ZIP>
<CITY>Dortmund</CITY>
<COUNTRY>DE</COUNTRY>
<PHONE>01234/56789</PHONE>
<FAX>01234/567890</FAX>
</ADDRESS>
</BUYER>
</HEADER>
<T_NEW_CATALOG>
<ARTICLE mode="new">
<SUPPLIER_AID>M-39308-5-99</SUPPLIER_AID>
<ARTICLE_DETAILS>
<DESCRIPTION_SHORT>Softshell Jacket</DESCRIPTION_SHORT>
<DESCRIPTION_LONG>Design:
Wind- and water-resistant with comfortable breathability and maximum freedom of movement. Reflective piping on the front and back. One chest pocket and two side zippered pockets. Elastic cuffs.
Sizes: S - 3XL
Available sizes:
S, M, L, XL, XXL, 3XL
Available colors:
navy/black</DESCRIPTION_LONG>
<DELIVERY_TIME>10</DELIVERY_TIME>
<KEYWORD>Anoraks / Jackets / Cold Protection / Outdoor / Rain Protection / Weather Protection / Winter Protection</KEYWORD>
<ARTICLE_STATUS type="core_article">core_article</ARTICLE_STATUS>
</ARTICLE_DETAILS>
<ARTICLE_FEATURES>

<REFERENCE_FEATURE_SYSTEM_NAME>ECl@SS-7.1</REFERENCE_FEATURE_SYSTEM_NAME>
<REFERENCE_FEATURE_GROUP_ID>40010501</REFERENCE_FEATURE_GROUP_ID>
</ARTICLE_FEATURES>
<ARTICLE_ORDER_DETAILS>
<ORDER_UNIT>PC</ORDER_UNIT>
<PRICE_QUANTITY>1</PRICE_QUANTITY>
<QUANTITY_MIN>1</QUANTITY_MIN>
</ARTICLE_ORDER_DETAILS>
<ARTICLE_PRICE_DETAILS>
<ARTICLE_PRICE price_type="net_list">
<PRICE_AMOUNT>41.85</PRICE_AMOUNT>
<PRICE_CURRENCY>EUR</PRICE_CURRENCY>
</ARTICLE_PRICE>
</ARTICLE_PRICE_DETAILS>
<MIME_INFO>
<MIME>

```
                <MIME_TYPE>image/jpeg</MIME_TYPE>
                <MIME_SOURCE>picture/39308-5_navy_black_H.jpg</MIME_SOURCE>
                <MIME_DESCR>Product Image</MIME_DESCR>
                <MIME_PURPOSE>normal</MIME_PURPOSE>
                <MIME_ORDER>1</MIME_ORDER>
        </MIME>
        <MIME>
                <MIME_TYPE>image/jpeg</MIME_TYPE>
                <MIME_SOURCE>picture/39308-5_navy_black_H.jpg</MIME_SOURCE>
                <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
                <MIME_ORDER>2</MIME_ORDER>
        </MIME>
        </MIME_INFO>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-3-S</ART_ID_TO>
        </ARTICLE_REFERENCE>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-4-M</ART_ID_TO>
        </ARTICLE_REFERENCE>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-5-L</ART_ID_TO>
        </ARTICLE_REFERENCE>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-6-XL</ART_ID_TO>
        </ARTICLE_REFERENCE>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-7-XXL</ART_ID_TO>
        </ARTICLE_REFERENCE>
        <ARTICLE_REFERENCE type="Mist">
        <ART_ID_TO>39308-5-99-8-3XL</ART_ID_TO>
        </ARTICLE_REFERENCE>
        </ARTICLE>
        </T_NEW_CATALOG>
</BMECAT>
```

Tabular Overview of BMEcat 2005 Elements

Product Number
BMECAT/T_NEW_CATALOG/PRODUCT
/SUPPLIER_PID

Product Description (de)
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS
/DESCRIPTION_SHORT

Product Long Description (de)
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS
/DESCRIPTION_LONG

Manufacturer Name
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS
/MANUFACTURER_NAME

Manufacturer Product Number
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS
/MANUFACTURER_PID

Keywords
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS/KEYWORD

Image
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME
/MIME_SOURCE = {Image}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME
/MIME_PURPOSE = ‘normal’

Thumbnail
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_SOURCE = {Thumbnail}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_PURPOSE = ‘thumbnail’

Technical Document
Technical Document Description
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_SOURCE = {Technical Document}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_PURPOSE = ‘other’

Technical Document 2
Technical Document Description 2
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_SOURCE = {Technical Document 2}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description 2}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_PURPOSE = ‘other2’

Technical Document 3
Technical Document Description 3
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_SOURCE = {Technical

Document 3}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_DESCR = {Technical Document Description 3}
BMECAT/T_NEW_CATALOG/PRODUCT/MIME_INFO/MIME/MIME_PURPOSE = ‘other3’

EAN
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_DETAILS
/INTERNATIONAL_PID[@type="ean"]

Sales Unit of Measure
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
/ORDER_UNIT

Package Quantity
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
/NO_CU_PER_OU

Package Unit of Measure
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
/CONTENT_UNIT

Valid From Quantity
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_PRICE_DETAILS
/PRODUCT_PRICE/LOWER_BOUND

Price
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_PRICE_DETAILS
/PRODUCT_PRICE/PRICE_AMOUNT

Price Unit
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
PRICE_QUANTITY

Currency
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_PRICE_DETAILS/PRODUCT_PRICE
/PRICE_CURRENCY

Minimum Order Quantity
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
/QUANTITY_MIN

Quantity Interval
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_ORDER_DETAILS
/QUANTITY_INTERVAL

Lead Time in Days
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_LOGISTIC_DETAILS
/DELIVERY_TIMES/LEADTIME

```
<PRODUCT_LOGISTIC_DETAILS>
  <DELIVERY_TIMES>
    <TIME_SPAN><TIME_BASE>day</TIME_BASE></TIME_SPAN>
    <LEADTIME>2</LEADTIME>
  </DELIVERY_TIMES>
</PRODUCT_LOGISTIC_DETAILS>
</PRODUCT>
```

Tax Rate
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_PRICE_DETAILS
/PRODUCT_PRICE/TAX

Referenced Product
BMECAT/T_NEW_CATALOG/PRODUCT
/PRODUCT_REFERENCE/PROD_ID_TO

Type of Relationship
BMECAT/T_NEW_CATALOG/PRODUCT
/PRODUCT_REFERENCE[@type="accessories"]

Classification
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_FEATURES
/REFERENCE_FEATURE_SYSTEM_NAME

Classification Group
BMECAT/T_NEW_CATALOG/PRODUCT/PRODUCT_FEATURES
/REFERENCE_FEATURE_GROUP_ID

BMEcat 2005 Sample Data

```
<?xml version="1.0" encoding="UTF-8"?>
<BMECAT version="2005">
        <HEADER>
        <CATALOG>
        <LANGUAGE default="true">deu</LANGUAGE>
        <LANGUAGE>eng</LANGUAGE>
        <LANGUAGE>ita</LANGUAGE>
        <CATALOG_ID>1925</CATALOG_ID>
        <CATALOG_VERSION>1.0</CATALOG_VERSION>
        </CATALOG>
```

```
        <SUPPLIER>
        <SUPPLIER_NAME>1925</SUPPLIER_NAME>
        </SUPPLIER>
        </HEADER>
        <T_NEW_CATALOG>
        <PRODUCT mode="new">
        <SUPPLIER_PID>TestProductBMEcat002</SUPPLIER_PID>
        <PRODUCT_DETAILS>
        <DESCRIPTION_SHORT>Test product BMEcat 001 German</DESCRIPTION_SHORT>
        <DESCRIPTION_SHORT lang="eng">Test product BMEcat 001
English</DESCRIPTION_SHORT>
        <DESCRIPTION_SHORT lang="ita">Test prodotto BMEcat 001
Italian</DESCRIPTION_SHORT>
        <DESCRIPTION_LONG>Long description test product BMEcat 001
German</DESCRIPTION_LONG>
        <DESCRIPTION_LONG lang="eng">Long description test product BMEcat 001
English</DESCRIPTION_LONG>
        <DESCRIPTION_LONG lang="ita">Descrizione lunga test prodotto BMEcat 001
Italian</DESCRIPTION_LONG>
        <MANUFACTURER_NAME>Manufacturer</MANUFACTURER_NAME>
        <KEYWORD>Sample product</KEYWORD>
        <KEYWORD>Sample product</KEYWORD>
        </PRODUCT_DETAILS>
        <PRODUCT_FEATURES>

<REFERENCE_FEATURE_SYSTEM_NAME>UNSPSC</REFERENCE_FEATURE_SYSTEM_NAME
>
        <REFERENCE_FEATURE_GROUP_ID>10171700</REFERENCE_FEATURE_GROUP_ID>
        </PRODUCT_FEATURES>
        <PRODUCT_ORDER_DETAILS>
        <ORDER_UNIT>PCE</ORDER_UNIT>
        <PRICE_QUANTITY>100</PRICE_QUANTITY>
        <QUANTITY_MIN>100</QUANTITY_MIN>
        </PRODUCT_ORDER_DETAILS>
        <PRODUCT_PRICE_DETAILS>
        <PRODUCT_PRICE price_type="net_customer">
                <PRICE_AMOUNT>49.99</PRICE_AMOUNT>
                <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
        </PRODUCT_PRICE>
        </PRODUCT_PRICE_DETAILS>
        <MIME_INFO>
        <MIME>
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                <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
        </MIME>
        <MIME>
                <MIME_SOURCE>product.jpg</MIME_SOURCE>
                <MIME_PURPOSE>normal</MIME_PURPOSE>
        </MIME>
```

```
        <MIME>
                <MIME_SOURCE>document.pdf</MIME_SOURCE>
                <MIME_DESCR>Test document</MIME_DESCR>
                <MIME_PURPOSE>other</MIME_PURPOSE>
        </MIME>
        </MIME_INFO>
        <PRODUCT_LOGISTIC_DETAILS>
        <DELIVERY_TIMES>
                <TIME_SPAN>
                <TIME_BASE>day</TIME_BASE>
                </TIME_SPAN>
                <LEADTIME>2</LEADTIME>
        </DELIVERY_TIMES>
        </PRODUCT_LOGISTIC_DETAILS>
        </PRODUCT>
        <PRODUCT mode="new">
        <SUPPLIER_PID>TestProductBMEcat002</SUPPLIER_PID>
        <PRODUCT_DETAILS>
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        <DESCRIPTION_SHORT lang="eng">Test product BMEcat 002
English</DESCRIPTION_SHORT>
        <DESCRIPTION_SHORT lang="ita">Test prodotto BMEcat 002
Italian</DESCRIPTION_SHORT>
        <DESCRIPTION_LONG>Long description test product BMEcat 002
German</DESCRIPTION_LONG>
        <DESCRIPTION_LONG lang="eng">Long description test product BMEcat 002
English</DESCRIPTION_LONG>
        <DESCRIPTION_LONG lang="ita">Descrizione lunga test prodotto BMEcat 002
Italian</DESCRIPTION_LONG>
        <MANUFACTURER_NAME>Manufacturer</MANUFACTURER_NAME>
        <KEYWORD>Sample product</KEYWORD>
        </PRODUCT_DETAILS>
        <PRODUCT_FEATURES>

<REFERENCE_FEATURE_SYSTEM_NAME>UNSPSC</REFERENCE_FEATURE_SYSTEM_NAME
>
        <REFERENCE_FEATURE_GROUP_ID>10171700</REFERENCE_FEATURE_GROUP_ID>
        </PRODUCT_FEATURES>
        <PRODUCT_ORDER_DETAILS>
        <ORDER_UNIT>PA</ORDER_UNIT>
        <CONTENT_UNIT>PCE</CONTENT_UNIT>
        <NO_CU_PER_OU>100</NO_CU_PER_OU>
        <PRICE_QUANTITY>1</PRICE_QUANTITY>
        <QUANTITY_MIN>1</QUANTITY_MIN>
        </PRODUCT_ORDER_DETAILS>
        <PRODUCT_PRICE_DETAILS>
        <PRODUCT_PRICE price_type="net_customer">
                <PRICE_AMOUNT>49.99</PRICE_AMOUNT>
                <PRICE_CURRENCY>EUR</PRICE_CURRENCY>
```

```
        </PRODUCT_PRICE>
        </PRODUCT_PRICE_DETAILS>
        <MIME_INFO>
        <MIME>
                <MIME_SOURCE>preview.jpg</MIME_SOURCE>
                <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
        </MIME>
        <MIME>
                <MIME_SOURCE>product.jpg</MIME_SOURCE>
                <MIME_PURPOSE>normal</MIME_PURPOSE>
        </MIME>
        <MIME>
                <MIME_SOURCE>document.pdf</MIME_SOURCE>
                <MIME_PURPOSE>other</MIME_PURPOSE>
        </MIME>
        </MIME_INFO>
        <PRODUCT_LOGISTIC_DETAILS>
        <DELIVERY_TIMES>
                <TIME_SPAN>
                <TIME_BASE>day</TIME_BASE>
                </TIME_SPAN>
                <LEADTIME>2</LEADTIME>
        </DELIVERY_TIMES>
        </PRODUCT_LOGISTIC_DETAILS>
        </PRODUCT>
        </T_NEW_CATALOG>
</BMECAT>
```

Explanation of the Relationship Between Sales Unit, Quantity Unit, Packaging Quantity, and Quantity per Sales Unit

On the "Products" tab, columns U-X allow you to specify in which unit products can be ordered. To clarify the relationship between these four columns, we provide a few examples:

Example 1

You sell oils in bottles (BO). However, customers can only order cartons (CT), each containing a specific number of bottles (6). Column X is used to provide a clearer explanation of the relationship between the other columns. In the Excel template, this is represented as follows:

U	V	X
Sales Unit	Quantity Unit	Quantity per Sales Unit

CT	BO	6

Example 2
You sell acid in milliliters (MLT). However, customers can only order bottles (BO) containing a specific quantity (100). Here, you also use column X to provide a clearer explanation of the relationship between the other columns. In the Excel template, this is represented as follows:

U	V	X
Sales Unit	Quantity Unit	Quantity per Sales Unit
BO	MLT	100

Example 3
You sell funnels individually (PCE). In this case, you only need to specify the sales unit, as there is no content specification for individual pieces. Columns V-X remain empty. In the Excel template, this is represented as follows:

U	V	X
Sales Unit	Quantity Unit	Quantity per Sales Unit
PCE		

Explanations on Sales Units and Prices

In the "Products" tab, you can enter prices, tiered prices, minimum order quantities, order intervals, and more. To clarify the relationship between these values, we will provide some examples. Let’s refer to the previously mentioned Example 1.

Example 1
You sell oils in bottles (BO). However, customers can only order cartons (CT), each containing a specific number of bottles (6). This means that prices always refer to the carton. One carton (containing 6 bottles of oil) costs €10.00, and customers can order any quantity from 1 to an unlimited number of cartons without a price change. The price applies to each ordered carton. Therefore, column D, "Price Unit," contains a "1." In the Excel template, this is represented as follows:

A	B	C	D	E	F	G	H	I

Product Number	Minimum quantity	Net price	Price Unit	Currency	Price valid from	Price valid to	Minimum order quantity	Order Interval
4711	1	10.00	1	EUR				

Example 2
You sell oils in bottles (BO). However, customers can only order cartons (CT) containing a specific number of bottles (6). This means that prices are always based on the carton.

A carton (containing 6 bottles of oil) costs 10.00 euros if fewer than 10 cartons are ordered. If 10 or more cartons are ordered, the price per carton is reduced by one euro (9 euros/carton). If 50 or more cartons are ordered, the price is further reduced by another euro (8 euros/carton). This is referred to as tiered pricing.

Again, column D contains a "1" because the price within the tiers always applies to each ordered carton. This is reflected in the Excel template as follows:

A	B	C	D	E	F	G	H	I
Product Number	Minimum quantity	Net price	Price Unit	Currency	Price valid from	Price valid to	Minimum order quantity	Order Interval
4711	1	10.00	1	EUR				
4711	10	9.00	1	EUR				
4711	50	8.00	1	EUR				

Tiered prices are only represented in the "from quantity" column.

Example 3
Here, we refer again to the example from Chapter 3.1.1. You sell funnels individually (PCE). However, you require a minimum order quantity of 25 pieces.

This is reflected in the Excel template as follows:

A	B	C	D	E	F	G	H	I
Product Number	Minimum quantity	Net price	Price Unit	Currency	Price valid from	Price valid to	Minimum order quantity	Order Interval
4711	25	10.00	1	EUR			25	

Wenn Sie jetzt auch noch vorgeben möchten, dass immer im 25er Block nur bestellt werden darf, sieht dies in der Excelvorlage wie folgt aus:

A	B	C	D	E	F	G	H	I
Product Number	Minimum quantity	Net price	Price Unit	Currency	Price valid from	Price valid to	Minimum order quantity	Order Interval
4711	25	10.00	1	EUR			25	25

Example 4
This example clarifies the role of the price unit when defining prices. You sell a mailing service. A mailing (PCE) can be ordered with a number of recipients ranging from 1 to 1,000. The price is calculated based on 1,000 recipients (price unit). The price you specify is divided by 1,000 and multiplied by the ordered quantity.

This is reflected in the Excel template as follows:

U	V	X
Sales Unit	Quantity Unit	Quantity per Sales Unit
PCE		

A	B	C	D	E	F	G	H	I
Product Number	Minimum quantity	Net price	Price Unit	Currency	Price valid from	Price valid to	Minimum order quantity	Order Interval
4711	1	125.00	100	EUR				

This means the order calculation works as follows:

If a quantity of 500 is ordered for a product, the price is calculated as:
125 / 1000 × 500 = 62.5 euros as the total order price.

In most cases, you will likely use the price unit "1" because your products are ordered at the exact net price you specify (considering tiered pricing).

Images and Documents

Additional important product information can be provided as attachments or documents. You have the option to attach these documents to the product in the form of images, technical specifications, and other document types. Typically, images are used to provide a detailed view of product data.

Please ensure that the physical file name of the document matches exactly with the reference in the catalog!

The catalog management module provides each supplier with a dedicated directory on a file server for storing documents. Additional subdirectories can be managed within this directory.

Images and Documents in {catalog template}

If you use {catalog template} as the catalog format, you can assign any number of documents per product. However, assigning more than five documents requires prior consultation and explicit approval from prodexa..

Document information is specified in the `<MIME_INFO>` or `<MIME>` element.

Example:

```
<MIME_INFO>
  <MIME>
    <MIME_TYPE>image/jpeg</MIME_TYPE>
    <MIME_SOURCE>picture/produktbild1.jpg</MIME_SOURCE>
    <MIME_DESCR>Product Image</MIME_DESCR>

    <MIME_PURPOSE>normal</MIME_PURPOSE>
  </MIME>
  <MIME>
    <MIME_TYPE>image/gif</MIME_TYPE>
    <MIME_SOURCE>thumbnail/produktbild1.gif</MIME_SOURCE>
    <MIME_DESCR>Product Image</MIME_DESCR>
    <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
  </MIME>
```

```
  <MIME>
    <MIME_TYPE>text/html</MIME_TYPE>
    <MIME_SOURCE>documents/produkt1-doku.html</MIME_SOURCE>
    <MIME_DESCR>Technical Specification</MIME_DESCR>
    <MIME_PURPOSE>others</MIME_PURPOSE>
  </MIME>
</MIME_INFO>
```

Use of Documents in Excel Format

If you use Excel as the catalog format (product and price template as described), you can attach up to three documents:

- An image for the product detail view
- An image for a preview in the search results list
- One additional document of any type

In the Excel file, only the file name and the corresponding path must be specified. Based on the previous example, the following data must be provided:

IMPORTANT!
When referencing documents in a folder structure, always use the **forward slash ("/")** as the separator between hierarchy levels. The **backslash ("")**, commonly used in Microsoft Windows environments, is not allowed and may cause errors in certain web browsers.

Example:
❌ `picture\produktbild.jpg` – **Not allowed**
✅ `picture/produktbild.jpg` – **Allowed**

If folder paths are used, the exact directory structure must be included in the ZIP archive.

Restrictions

Specifying a URL

For specifications or other documents, you may reference an HTML file (e.g., MIME type: `text/html`). However, the file name **must not** be an internet URL (e.g., linking to a supplier's webpage: `http://www.supplier.com/manual.pdf`).

All order-relevant information (attachments) **must be provided as a file** and **cannot** be referenced via an internet URL.

Image Resolution

The following resolutions should be considered for image documents:

- **Standard image** (Purpose = "normal")
    - Width: **200-500 pixels**
    - Height: **200-500 pixels**
- **Thumbnail image** (Purpose = "thumbnail")
    - Width: **80 pixels**
    - Height: **80 pixels**
-

Appendix

Glossary

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