



# Compano Online Software

## BMEcat 5 Export COS PIM

**Version 1.2**

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## Contents

1	Introduction.....	3
1.1	Concepts.....	3
2	General Remarks.....	3
2.1	Guidelines.....	4
2.1.1	ETIM BMEcat Guideline.....	4
3	Export.....	4
3.1	DUNS-number.....	4
3.2	Other country-specific fields.....	5
3.2.1	Denmark.....	5
3.2.2	Sweden.....	5
3.3	Export from Item overview (test).....	6
3.4	Export from Assortment overview (preferred).....	8
3.5	Long ERP description (NL_008).....	10
3.6	Product order detail (quantity).....	10
3.7	Commercial and Technical descriptions.....	10
4	Attachments.....	11
4.1	Images (PPI and PHI).....	12
4.1.1	Define attachment type (MD26).....	12
4.2	Certificates.....	13
4.2.1	Define attachment type (MD##).....	14
4.2.2	Add the certificate.....	15
4.2.3	Add the attachment.....	16
4.2.4	Exception: RoHS certificate.....	17
5	Product relations.....	19



# 1 Introduction

This document describes how an export file, in *BMEcat 5 format* can be generated in Compano Online Software (COS).

General knowledge of the *BMEcat 2005 ETIM Guideline 5 (BMEcat 5)* is helpful with understanding which actions must be taken to ensure a valid export of data using COS. The guidelines have changed considerably over the past years and will continue to do so.

Note: Not all data fields/possibilities of the BMEcat 5 format are covered by COS PIM. Mostly, this concerns optional and/or less relevant information. Please contact Compano Support if you need to export information that has not been implemented in **Compano's** BMEcat 5 export.

## 1.1 Concepts

COS	Compano Online Software
PIM	Product Information Management system
BMEcat 2005	BMEcat is a standard for electronic data transfer by electronic catalogues created and published by the <i>Bundesverband Materialwirtschaft, Einkauf und Logistik e. V.</i> , the German association for materials management, purchasing and logistics (BME). Detailed information on the BMECat specification can be found on their website: <a href="https://www.bme.de/">https://www.bme.de/</a> . BMECat is a XML-based data exchange format.
ETIM Guideline 5	Building on the BMEcat 2005 version, several guidelines have been published, which further extend and sometimes correct version 2005 to guarantee the correct exchange of data and meet some country-specific requirements. ETIM International strongly recommends to use the most recent ETIM guidelines, preferably Guideline Version 5.
BMEcat 5	Shorthand for BMEcat 2005 with ETIM Guideline 5.
ETIM International	International standard for classification of product data for the construction and engineering sector
Entity	Data object in COS. For instance: Product, Item, Relation, Manufacturer, etc.
DUNS number	The Dun & Bradstreet D-U-N-S Number is a unique nine-digit identifier for businesses. D-U-N-S Numbers are often referenced by lenders and potential business partners to help predict the reliability and/or financial stability of the company in question. A DUNS number is required when exporting in BMEcat 5 for the German market.

## 2 General Remarks

For data suppliers who manage their product information on an international level, the data exchange format of choice is often *BMEcat Version 2005*.

## 2.1 Guidelines

Building on the BMEcat 2005 version, several *guidelines* have been published, which further extend and sometimes correct *Version 2005* to guarantee the correct exchange of data and meet some *country-specific requirements*. Additions to the standard are defined in the guideline with user-defined fields: **UDX. EDXF**

Example

```
<UDX.EDXF.MANUFACTURER_ACRONYM>Test</UDX.EDXF.MANUFACTURER_ACRONYM>
<UDX.EDXF.DESRIPTION_VERY_SHORT>Test product</UDX.EDXF.DESRIPTION_VERY_SHORT>
<UDX.EDXF.DESRIPTION_VERY_SHORT lang="dut">Test product</UDX.EDXF.DESRIPTION_VERY_SHORT>
<UDX.EDXF.BRAND_NAME>Test brand</UDX.EDXF.BRAND_NAME>
<UDX.EDXF.TENDER_TEXT>Can be specified in test tender offers</UDX.EDXF.TENDER_TEXT>
<UDX.EDXF.VALID_FROM>2018-01-01</UDX.EDXF.VALID_FROM>
<UDX.EDXF.EXPIRATION_DATE>2019-01-01</UDX.EDXF.EXPIRATION_DATE>

<UDX.EDXF.DISCOUNT_GROUP>
<UDX.EDXF.DISCOUNT_GROUP_MANUFACTURER>no_discount_group</UDX.EDXF.DISCOUNT_GROUP_MANUFACTURER>
<UDX.EDXF.DISCOUNT_GROUP_SUPPLIER>DS001</UDX.EDXF.DISCOUNT_GROUP_SUPPLIER>
</UDX.EDXF.DISCOUNT_GROUP>
```

### 2.1.1 ETIM BMEcat Guideline

BMEcat exports can include ETIM product data by using the *ETIM BMEcat Guideline*. *ETIM International* strongly recommends to use the most recent<sup>1</sup> ETIM guidelines, preferably *Guideline Version 5*.

## 3 Export

The BMEcat format can be used when exporting *Item information*, either from the *Item overview* or exporting all items of an *Assortment*:

- Export from Item overview: Convenient for *testing* with a smaller selection of Items.
- Export from Assortment: Preferred method for generating a *complete* BMEcat export.

When exporting data, several *BMEcat export versions* are available:

- BMEcat 4.2: ETIM Guideline BMEcat 4.0.2 export
- BMEcat 5.0: ETIM Guideline BMEcat 5.0 export

Important: It is *strongly recommend* to use the most recent version of the ETIM BMEcat Guideline for an export of your data, as this will guarantee that all improvements to the export are available.

### 3.1 DUNS-number

Note: DUNS settings depend upon your Compano software version:

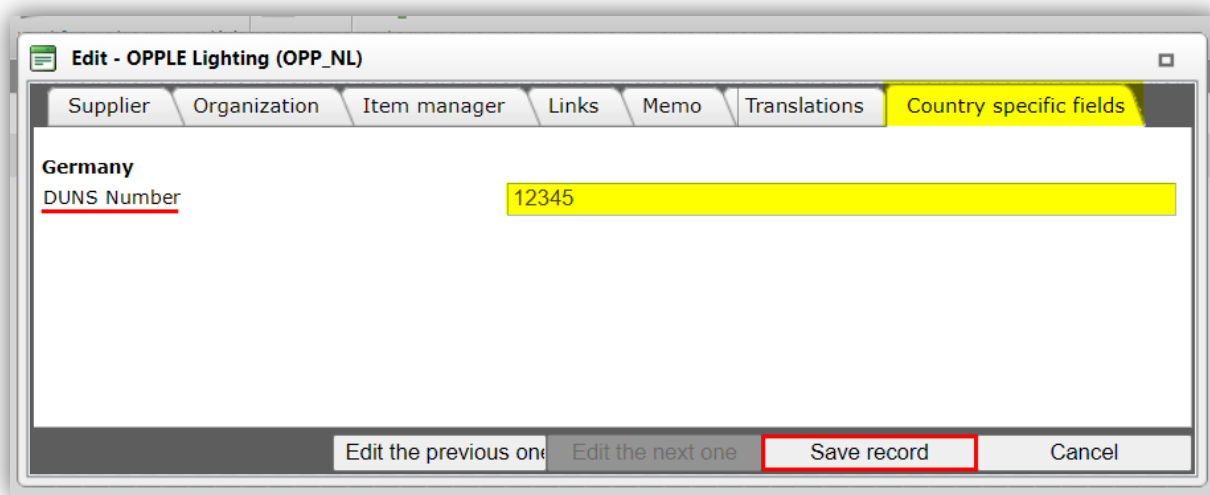
- Version L03: DUNS must always be filled out, i.e. a DUNS number is *mandatory*.
- Version L04 and higher: DUNS number is only mandatory for German(-language) exports.

When exporting in the BMEcat 5 format for the country **Germany**, a *DUNS-number* is *mandatory*. However, if you do not possess a DUNS-number or do not wish to pay the fee for acquiring one, a *fake number* can be filled out, such as **12345**. This will at least generate a BMEcat 5 export file.

<sup>1</sup> Current version (9-12-2022)

The DUNS number can be filled out at the Supplier:

1. Through the Menu, go to *Items > Suppliers*
2. Select the supplier and, under Edit, click on *Modify*.
3. In the pop-up window, go to the Country specific fields tab:



- a. DUNS Number: Enter a (fake) DUNS number.
4. Save the record.

For more information on DUNS numbers, please see [www.dnb.com](http://www.dnb.com).

## 3.2 Other country-specific fields

Country-specific fields are available for the following countries:

### 3.2.1 Denmark

For Denmark the following country-specific fields are available:

- **EL number** (type *Electrical*)
- **VVS number** (type *HVAC*)

By filling out these fields, the correct tags for UDX.EDXF.COUNTRY\_BRANCH\_NUMBERS **will be exported in a BMEcat5 export**.

### 3.2.2 Sweden

For Sweden the following country-specific fields are available:

- **SEG number** (type *Electrical*)
- **RSK number** (type *HVAC*)

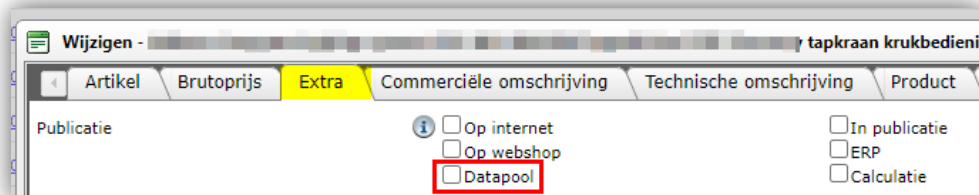
By filling out these fields, the correct tags for UDX.EDXF.COUNTRY\_BRANCH\_NUMBERS **will be exported in a BMEcat5 export**.



### 3.3 Export from Item overview [test]

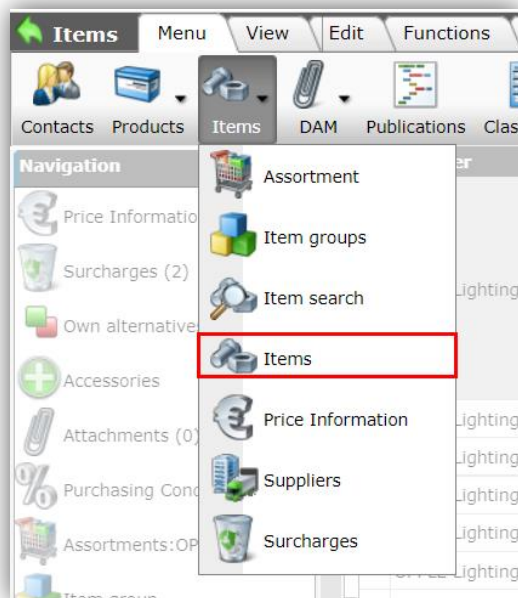
Item data can be exported in the BMEcat format from the *Item overview*. With this option a subset of items can be selected for export, thus generating a *test-export*. This way the resulting BMEcat export file (XML) can be reviewed before generating a full export.

Note: A BMEcat export called from the Items overview will export *all* selected lines, including those with the status *Datapool*/set to **No**.

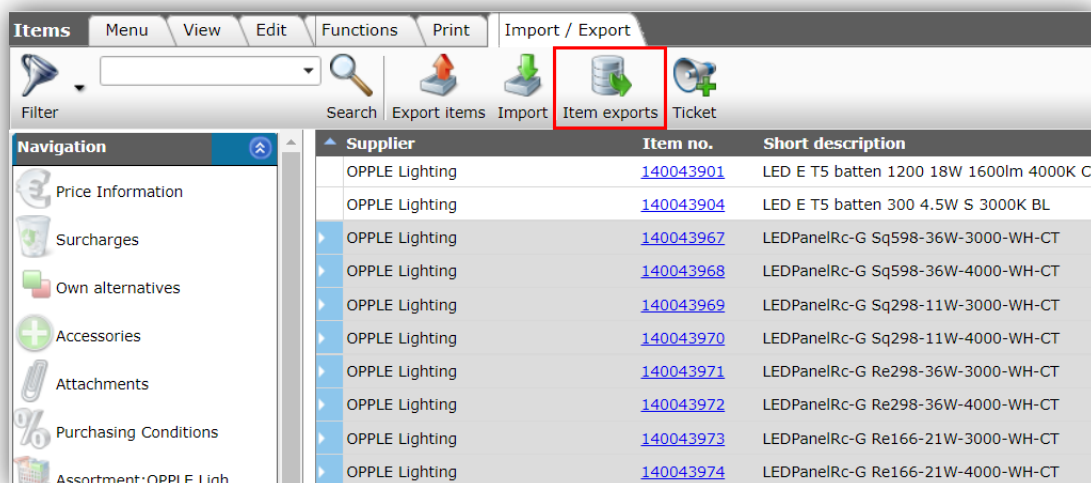


To generate a (limited) BMEcat export file:

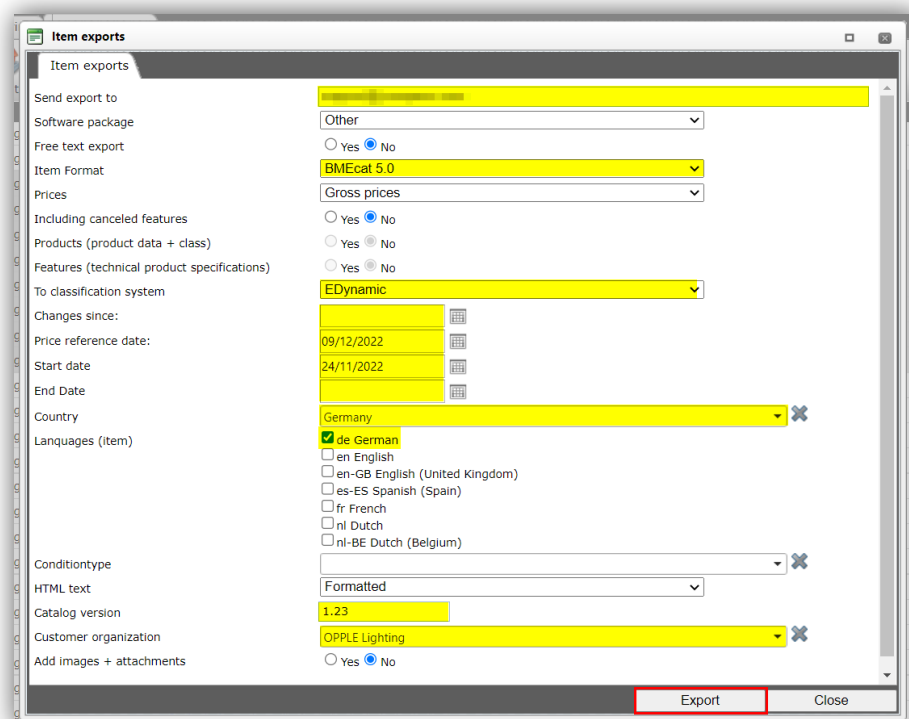
1. Through the Menu, navigate to *Items > Items*.



2. Go to the Import/Export tab, select a number of Items, and click on *Items Exports*.



3. In the pop-up window:



**Warning:** Please pay close attention to your settings when switching between export formats! Settings in the export dialog below are *stored per user*, however common settings are *retained* when selecting a different export format. Thus, for instance, when exporting in the FAB-DIS format with the ETIM 8 setting, this setting is retained when switching back to the DQR export format.

- Send export to: Enter an e-mail address.
- Item Format: Select the BMEcat version; preferably BMEcat 5.0.
- To classification system: Product classes and features will be exported using the selected ETIM-version.
- Changes since/dates: Use *Changes since* or other date fields to determine which item data are exported.
- Country: Set to Germany.

- f. Languages (item)<sup>2</sup>: By default the German languages will be selected. Optionally select other/additional languages.
- g. HTML text: BMEcat supports the use of (simplified) HTML-formatting in the *Description* texts. However, not all end-user software can handle HTML which is why there are three options for exporting HTML formatting. It is recommended to start with the *formatted* option, if that doesn't work, try the *no formatting* option and only use *plain text* as a last resort:
  - i. *Formatted*: All HTML-formatting is exported as HTML-tags. Note: only simplified HTML, such as Bold, Italic, Underline and Lists are exported correctly<sup>3</sup>.
  - ii. *No formatting, only end of line*: No HTML-formatting is exported; only the 'end of line' codes
  - iii. *Plain text*: Only plain text is exported without any type of formatting, including 'end of line' codes.

HTML text	Formatted
Catalog version	Formatted
Customer organization	No formatting, only end of line
	Plain text

- h. **Catalog version**: Enter a version number; this is *mandatory*.
  - i. **Customer organization**: Select a customer organization to add address details to the BMEcat export. This is *mandatory*; make sure that the organization details are filled out.
4. Click on *Export*; a BMEcat export file (compressed XML) will be generated and sent to your e-mail address, or you can download the file at *Menu > System > Logs*.

### 3.4 Export from Assortment overview [preferred]

BMEcat export are preferably generated from the Assortment overview. This will make sure that all items in the assortment are included, *except* those that have been marked with the *Datapool* status set to **No**.

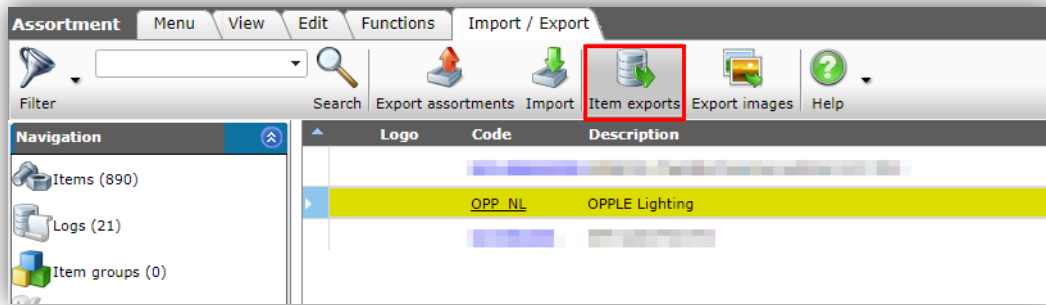
To export data for all items (and linked products) in an assortment:

1. Go to *Menu > Items > Assortment*
2. On the *Import / Export* tab, select the assortment and click on *Item exports*.

<sup>2</sup> Note: Country-specific fields are *always* exported, even if only one country has been selected. Country-specific data fields are allowed in BMEcat and thus are exported.

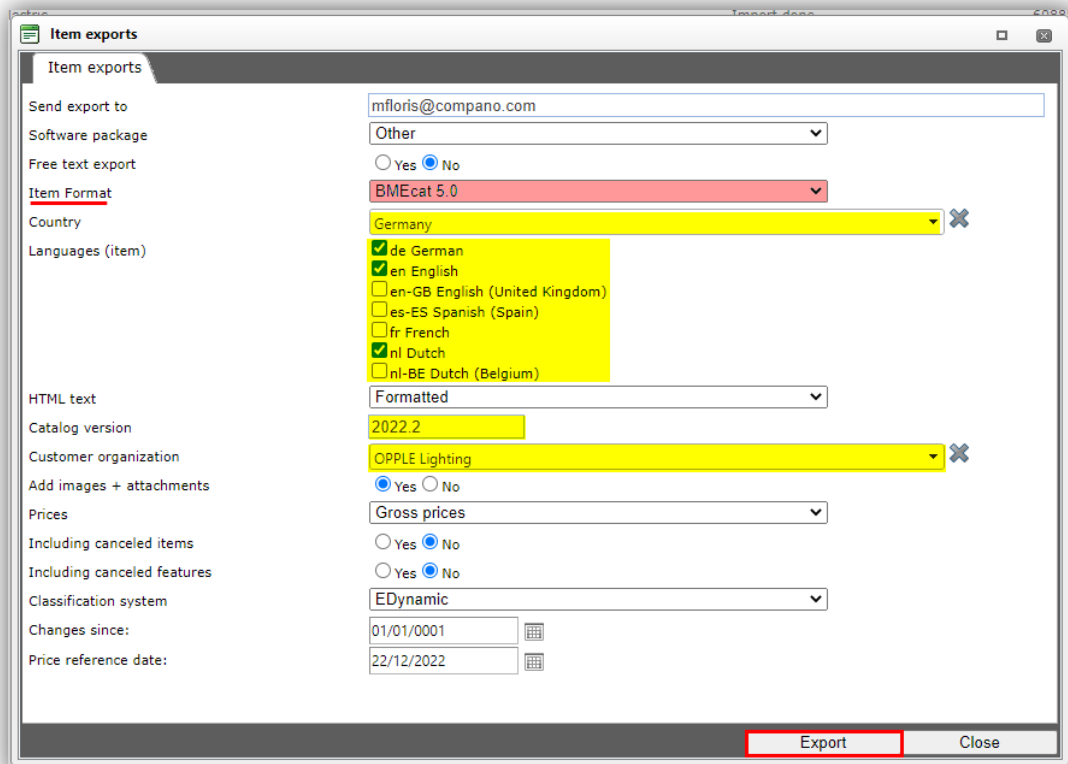
<sup>3</sup> This means that any HTML needs to be cleaned up, before export. A quick way to do this, is to cut and paste the text into Notepad or a similar text editor, copy it back into COS and reapply HTML-formatting, using only Bold, Italic, Underline and List formatting.





3. In the pop-up window, at *Item format* select the BMEcat version:
  - a. BMEcat 5.0: This is the *preferred* BMEcat version ETIM Guideline 5.0
  - b. BMEcat 4.2: This option will export BMEcat version ETIM Guideline 4.0.2

**Warning:** Please pay close attention to your settings when switching between export formats! Settings in the export dialog below are *stored per user*, however common settings are *retained* when selecting a different export format. Thus, for instance, when exporting in the FAB-DIS format with the ETIM 8 setting, this setting is retained when switching back to the DQR export format.



4. Set the following options as needed:
  - a. Country: Set to **Germany**.
  - b. Languages (item)<sup>4</sup>: By default the German language (**de** or **de-DE**) will be selected. Optionally select other/additional languages.
  - c. HTML text: BMEcat supports the use of (simplified) HTML formatting in the Description texts. However, not all end-user software can handle HTML which is why there are three options for exporting HTML formatting:

<sup>4</sup> **Note:** Country-specific fields are *always* exported, even if only one country has been selected. Country-specific data fields are allowed in BMEcat and thus are exported.

HTML text	Formatted
Catalog version	Formatted
Customer organization	No formatting, only end of line
	Plain text

- i. Formatted : All HTML-formatting is exported as HTML-tags. (simplified HTML only)
- ii. No formatting, only end of line: No HTML formatting is exported; only the 'end of line' codes
- iii. Plain text : Only plain text is exported without any type of formatting, including 'end of line' codes.
- d. **Catalog version**: Enter a version number; this is *mandatory*.
- e. **Customer organization**: Select a customer organization to add address details to the BMEcat export. This is *mandatory*; make sure that the organization details are filled out.
- f. Add images + attachments: When this option is set to **Yes**, the images and attachments will be copied to a FTP-location, where they will be available for download.
- g. Prices : Select the **Gross Prices** option. For a PIM-application this is *only* relevant the option.
- h. Including cancelled items: Set this option to **Yes** if you need to include canceled (archived) items, for instance because your customer needs a price list including 'old' items so that he can update his system.
- i. Including cancelled features: Set this option to **No**. Only set this option to Yes if you need to export data in an ETIM version including cancelled features in addition to the current ETIM Dynamic features.
- j. Classification system: Choose whether to export in ETIM Dynamic or another ETIM format or any another classification system format, if available in your application.
- k. Changes since: Only export items/products which have been changed since **[date]**.
- l. Price reference date: Only export prices from this **[date]**.

### 3.5 Long ERP description [NL\_008]

The BMEcat field **UDX.EDXF.PRODUCT\_CHARACTERISTIC "Long ERP description"** (code: **NL\_008**) will always be filled out with the COS value of *Long description (Product)*.

### 3.6 Product order detail [quantity]

In BMEcat, the field Product Order Details contains two tags, which are filled out as follows:

**PRODUCT\_ORDER\_DETAILS / QUANTITY\_MIN**: Filled out with COS value of *Minimum purchase in order unit (OU)*

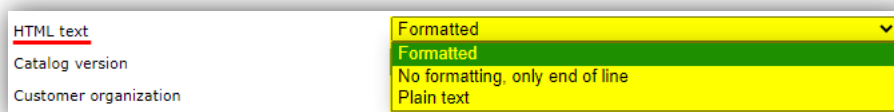
**PRODUCT\_ORDER\_DETAILS / QUANTITY\_INTERVAL**: Filled out with COS value of *Increment decrease*

### 3.7 Commercial and Technical descriptions

The Commercial Description in COS will be exported in BMEcat with the tag **PRODUCT\_DETAILS.DESRIPTION\_LONG**

The Technical Description in COS will be exported in BMEcat with the tag **USER\_DEFINED\_EXTENSIONS.UDX.EDXF.TENDER\_TEXT**

As these fields in COS may contain HTML formatting, on export, please pay attention to *HTML text* setting:



- Formatted: HTML tags for Bold, Underline and Lists are correctly exported.
- No formatting, only end of line:

## 4 Attachments

Attachments need to be exported in BMEcat with a specific **MD##**-code:

Code	Designation	Code	Designation
MD01	Product picture	MD34	Wiring diagram
MD02	Similar figure	MD35	Supplier's declaration for products having preferential origin status
MD03	Safety data sheet	MD37	3D / BIM object
MD04	Deeplink product page	MD38	Management, operation and maintenance document
MD05	Declaration REACH	MD39	Instructional video
MD06	Energy label	MD40	Spare parts list
MD07	Product data sheet for energy label	MD41	Sales brochure
MD08	Calibration certificate	MD42	AVCP certificate (Assessment and Verification of Constancy of Performance)
MD09	Certificate	MD43	CLP (Classification, Labelling and Packaging)
MD10	Circuit diagram	MD44	ECOP (Environmental Code of Practice)
MD11	Construction Products Regulation	MD45	Product video
MD12	Dimensioned drawing	MD46	360° view
MD13	Environment label	MD47	Thumbnail of Product picture (MD01)
MD14	Instructions for use	MD48	Pictogram/Icon
MD15	Light cone diagram	MD49	Declaration RoHS
MD16	Light Distribution Curve	MD50	Declaration CoC (Certificate of Conformity, requested for CPR)
MD17	Logo 1c	MD51	Declaration DOP (Declaration of performance)
MD18	Logo 4c	MD52	Declaration DOC CE (Declaration of conformity CE)
MD19	Luminaire data	MD53	Declaration BREEAM (Building Research Establishment Environmental Assessment Method)
MD20	Ambient picture	MD54	Declaration EPD (Environmental Product Declaration)
MD21	Mounting instruction	MD55	Declaration ETA (European Technical Assessment)
MD22	Product data sheet	MD56	Declaration warranty (Warranty statement)
MD23	Product picture back view	MD57	Application video
MD24	Product picture bottom view	MD58	Question and Answer (Q&A video)
MD25	Product picture detailed view	MD59	Product picture square format
MD26	Product picture front view	MD60	Exploded view drawing
MD27	Product picture sloping	MD61	Flowchart
MD28	Product picture top view	MD62	Product presentation
MD29	Product picture view from the left side	MD63	Specification text
MD30	Product picture view from the right side	MD64	Line drawing
MD31	Seal of approval	MD65	Product family view
MD32	Technical information		
MD33	Test approval	MD99	Others

Exports of many types of attachments are already handled correctly by COS, however for certain certificates with attachments, the user needs to define *Attachment Types* with the correct **MD##**-code.

Attachment types that are exported correctly by default:

COS attachment type	BMEcat MD##-code	Designation
First image (PPI or PHI)	MD01	Product picture
Additional images (PPI or PHI)	MD02	Similar figure
EEP	MD06	Energy label
STR	MD09	Certificate
SCH	MD12	Dimensioned drawing

MAN	MD14	Instructions for use
LOG	MD17	Logo 1c
LDT	MD19	Luminaire data
CHR	MD22	Product data sheet
MTE	MD38	Management, operation and maintenance docuemnt
PAR	MD40	Spare parts list
PRT	MD41	Sales brochure
PVI	MD45	Product video
OTD, OTA, SOF, unknown (general default)	MD99	Others

## 4.1 Images [ PPI and PHI ]

Image attachments, either PPI or PHI, will be handled by COS as follows:

Example

```
<UDX.EDXF.MIME>

<UDX.EDXF.MIME_SOURCE>https://opple.compano.com/Data/Environments/000001/Attachment/
Bijlage/ProductImages/140043898.png</UDX.EDXF.MIME_SOURCE>
  <UDX.EDXF.MIME_CODE>MD01</UDX.EDXF.MIME_CODE>
  <UDX.EDXF.MIME_ORDER>1</UDX.EDXF.MIME_ORDER>
  <UDX.EDXF.MIME_DESIGNATION>normal</UDX.EDXF.MIME_DESIGNATION>
</UDX.EDXF.MIME>
<UDX.EDXF.MIME>

<UDX.EDXF.MIME_SOURCE>https://opple.compano.com/Data/Environments/000001/Attachment/
Bijlage/ImageForPrinting/Print_140043898.png</UDX.EDXF.MIME_SOURCE>
  <UDX.EDXF.MIME_CODE>MD02</UDX.EDXF.MIME_CODE>
  <UDX.EDXF.MIME_ORDER>2</UDX.EDXF.MIME_ORDER>
  <UDX.EDXF.MIME_DESIGNATION>detail</UDX.EDXF.MIME_DESIGNATION>
</UDX.EDXF.MIME>
```

The first<sup>5</sup> PPI or PHI image in COS at the Item level<sup>6</sup> will be exports as a MD01-attachment. Additional PPI or PHI images in COS at the Item level will be exported as a MD02-attachments.

### 4.1.1 Define attachment type [ MD26 ]

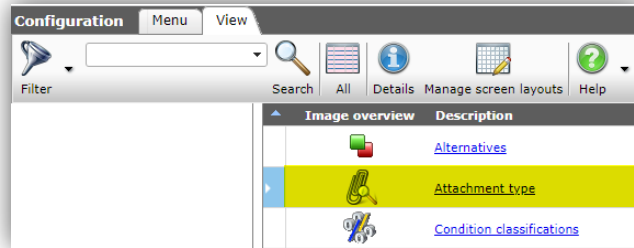
BMEcat5 allows for an image attachment specifically designed for the *Product picture front view*, with code **MD26**. This image attachment will need to be added with a user-defined attachment type, based on a standard PPI or PHI attachment.

To define a new attachment type:

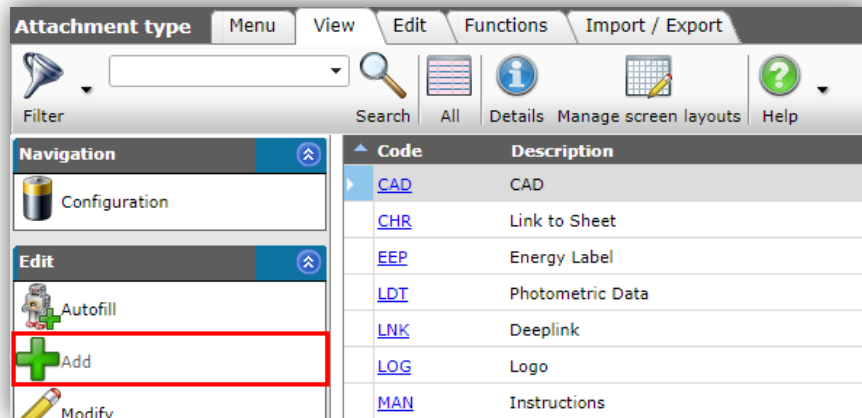
1. Through the Menu, go to *System > Configuration*.
2. Click on *Attachment type*.

<sup>5</sup> First is the image with the lowest sequence number.

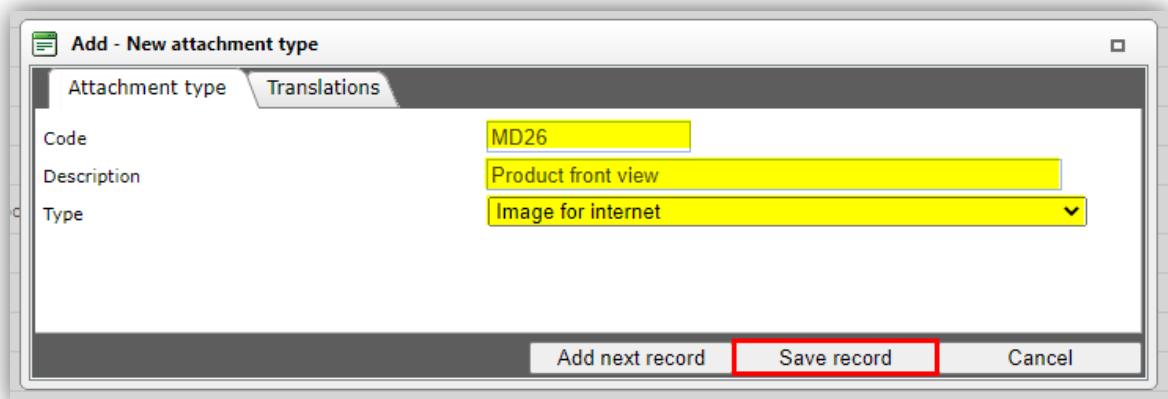
<sup>6</sup> If no image is available at the Item level, the first image at the Product level will be exported. If no image is available at the Product level also, the first image at the Product Group level will be exported.



3. Next, under Edit, click on *+Add*.



4. In the pop-up window:



- a. Code: Enter the **MD##**-code.
- b. Description: Enter a description for the certificate.
- c. Type: Select the **Certificate** type.
5. Save the record.

## 4.2 Certificates

Depending on type of Certificate, exports of certificates are either handled by default, or a specific type of attachment needs to be included.

Handled by default

- Any attachment of type **STR** or **MD52** linked to a **DOCCE**-certificate will be exported with **UDX. EDXF. MIME\_CODE MD52**. Note: the *Description* of this Attachment will be included as **UDX. EDXF. MIME\_DESIGNATION**.
- Any attachment of type **STR** or **MD03** linked to a **SDS Safety Data Sheet** will be exported with **UDX. EDXF. MIME\_CODE MD03**.
- Any attachment of type **STR** or **MD05** linked to a **REACH**-certificate will be exported with **UDX. EDXF. MIME\_CODE MD05**.
- Any attachment of type **STR** or **MD08** linked to a **CAL Calibration**-certificate will be exported with **UDX. EDXF. MIME\_CODE MD08**.
- Any attachment of type **STR** or **MD51** linked to a **DOP Declaration of Performance**-certificate will be exported with **UDX. EDXF. MIME\_CODE MD51**.

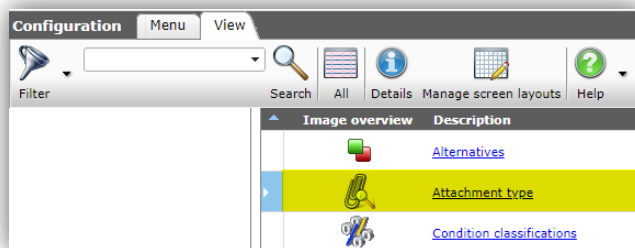
For other types of Certificate, an attachment with a user-defined **MD##**-code needs to be included:

- First, define a new *attachment type* with the correct **MD##**-code.
- Next, add a new Certificate of type **other**.
- Then, add an attachment<sup>7</sup> of the new attachment type to the Certificate.

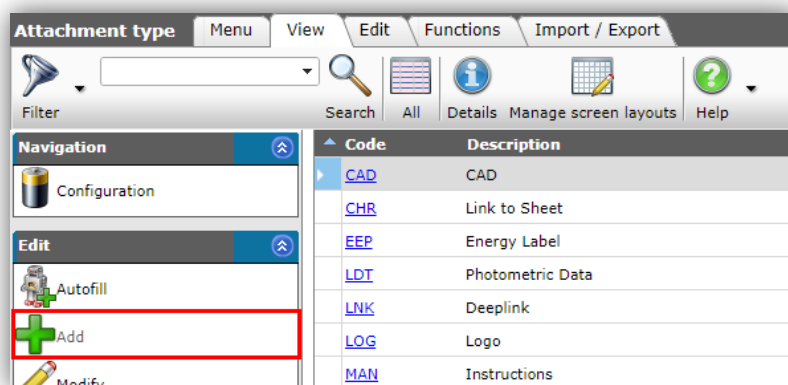
#### 4.2.1 Define attachment type [MD##]

To define a new attachment type:

- Through the Menu, go to *System > Configuration*.
- Click on *Attachment type*:



- Next, under Edit, click on *+Add*.



- In the pop-up window:

<sup>7</sup> Certificates in COS without an attachment are *not* exported in BMEcat5.

**Add - New attachment type**

Attachment type | Translations

Code: MD49

Description: Declaration ROHS

Type: Certificate

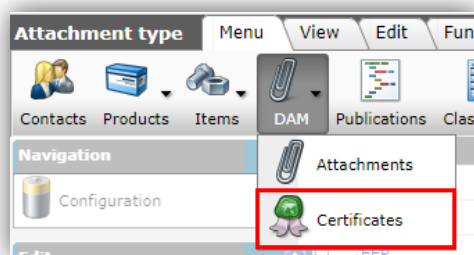
Buttons: Add next record, **Save record**, Cancel

- Code: Enter the **MD##**-code.
  - Description: Enter a description for the certificate.
  - Type: Select the **Certificate** type.
10. Save the record.

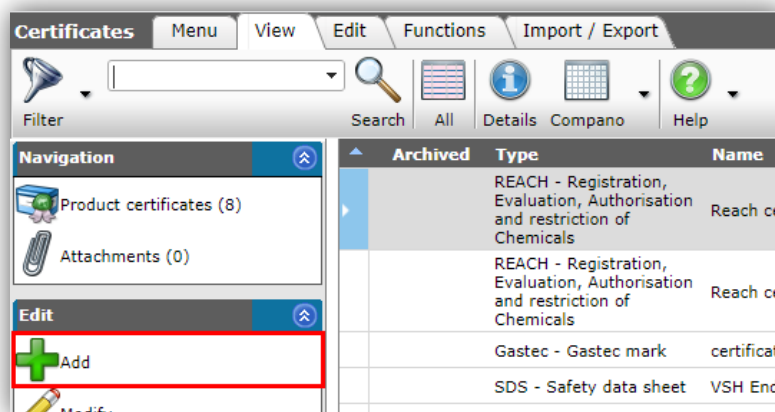
#### 4.2.2 Add the certificate

Now that the attachment type is defined, add the new certificate:

- Through the Menu, go to *DAM > Certificates*.



- Next, under Edit, click on +Add:



- In the pop-up window:

- Type: Select the correct Certificate type. Note: for some certificates, select **other**.
  - Name: Type a name for the certificate.
  - Description: Type a description for the certificate.
  - Issuer: Enter the issuer of the certificate.
  - Number: Enter the number of the certificate.
  - Data: Enter the Start, Revision and/or Expiration dates.
- Save the record.

#### 4.2.3 Add the attachment

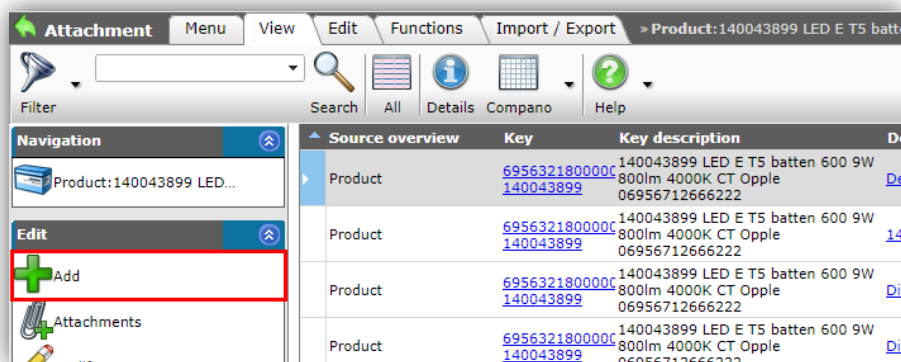
Now, add an attachment to the Certificate:

- Through the Menu, go to *Products > Products*.
- Under Edit, click on *Attachments*:

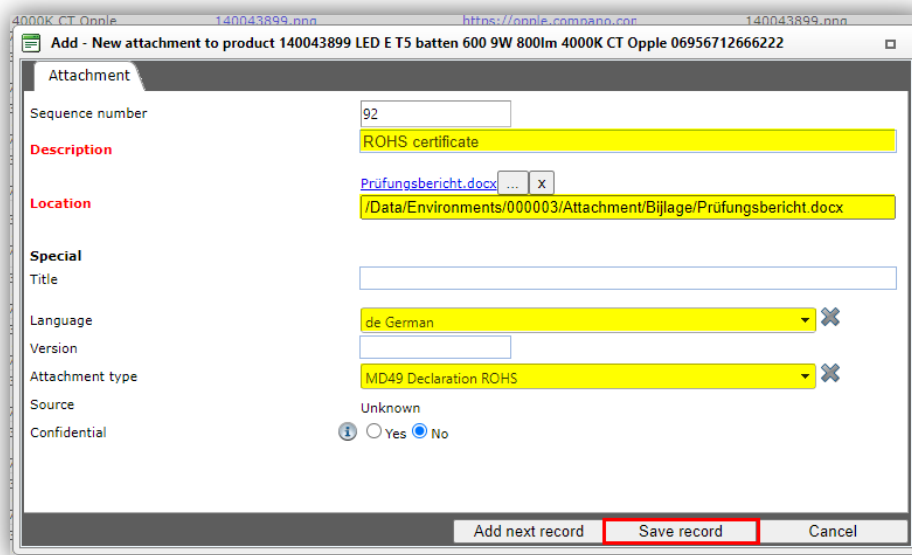
Archived	Manufacturer Description	Product code	GTIN
	Oppl	<a href="#">140043898</a>	06956712666215
	Oppl	<a href="#">140043899</a>	06956712666222
	Oppl	<a href="#">140043900</a>	06956712666239
	Oppl	<a href="#">140043901</a>	06956712666246
	Oppl	<a href="#">140043902</a>	06956712666253
	Oppl	<a href="#">140043903</a>	06956712666260
	Oppl	<a href="#">140043904</a>	06956712666277
	Oppl	<a href="#">140043905</a>	06956712666284

- On the next screen, click on *+Add*.





4. In the pop-up screen:



- Description: Enter a description for the attachment.
  - Location: Either upload a (new) attachment, or select one.
  - Language (optional): Depending upon the type of document, set the language.
  - Attachment type: Select the **MD##** attachment type that you defined.
5. Save the record.

Note: Attachments can also be added using the Import function; please see the Manual Attachments and Certificates, which is available from the Compano [Help website](#).

#### 4.2.4 Exception: RoHS certificate

The *Restriction of Hazardous Substances Directive* (**RoHS**) certificate is handled differently in DICO, DQR and BMEcat5 export formats. Therefore, a RoHS certificate can best be added as a:

- DQR certificate, with the RoHS-document added as a user-defined attachment type - **MD49** -code.
- REACH certificate, with RoHS-document added as a. Note: (this can be a *second* REACH certificate).

By adding the RoHS-certificate as a user-defined attachment type with the-**MD49** -code to either of these two types of certificate, the export can be ensured all export formats (DICO, DQR as well as BMEcat).




In BMEcat the RoHS-certificate is exported as:

```
<UDX.EDXF.MIME>

<UDX.EDXF.MIME_SOURCE>https://apple.compano.com/Data/Environments/000001/Attachment/
Bijlage/Certificates/RoHS.pdf</UDX.EDXF.MIME_SOURCE>
    <UDX.EDXF.MIME_CODE>MD49</UDX.EDXF.MIME_CODE>
    <UDX.EDXF.MIME_ORDER>36</UDX.EDXF.MIME_ORDER>
</UDX.EDXF.MIME>
```

## Example DQR-certificate

 De gekoppelde afbeelding kan niet worden weergegeven. Het bestand is mogelijk verplaatst, heeft een andere naam gekregen of is verwijderd. Controleer of de koppeling verwijst naar het juiste bestand en de juiste locatie.

With a RoHS attachment of type **MD49**:



## 5 Product relations

Product relations such as accessories, parts, alternatives, etc. will be exported to BMEcat with the tag **PRODUCT\_REFERENCE**.

**BMEcat 2005 + ETIM 4.0.3** - Lijst met mogelijke waarden voor Matchtype koppeling koppel\_matchtype Zoeken

Datamodel unit	Omschrijving	Richting	Formaateenheid	Mapping beschrijving/opmerking
BE2	Behoort tot	↔	accessories	
CNO	Vergelijkbaar Normproduct			
COM	Vergelijkbaar	↔	similar	
CON	Bevat onderdeel	↔	consists_of	
FI2	Past bij	↔	fits to	
MIR	Gespiegeld			
NWH	Kan niet zonder	↔	mandatory	
PAR	Onderdeel van	↔	select	
PCH	is product van			
PRE	Voorganger	↔	predecessor	
SPA	Reserve	↔	sparepart	
SUC	Opvolger	↔	followup	



Please consider the following:

- No duplication, so if the accessory or part is already present in COS do not add it again.
- For multiple copies of the accessory, the number is exported with the tag **PRODUCT\_REFERENCE quantity=n**
- Product accessories of type BE2 (belongs to) are exported with the tag **PRODUCT\_REFERENCE type="accessories"**
- Product accessories of type CON (consists of) are exported with the tag **PRODUCT\_REFERENCE type="consists\_of"**
- Successor products are exported with the tag **PRODUCT\_REFERENCE type="successor" & PRODUCT\_REFERENCE type="followup"**
- Accessories of type BE2 *and* marked as **Required** are exported with the tag **PRODUCT\_REFERENCE type="mandatory"**
- Product accessories of type COM (comparable) are exported with the tag **PRODUCT\_REFERENCE type="similar"**
- Product accessories of type FI2 (fits to) are exported with the tag **PRODUCT\_REFERENCE type="select"** and **PRODUCT\_REFERENCE type="others"** & **REFERENCE\_DESCR = "fits to"** (NL country specific exception)
- Product added as a Part to a main product are exported with the tag **PRODUCT\_REFERENCE type="sparepart"**