

Compano Online Software

DQR Export COS PIM

Version 6.3

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1 Introduction

This document describes how an export file, in DQR format—which can be used for the *ARGE-SHK branchportal* and/or *Opendata/OpenDataCheck*—can be generated in Compano Online Software.

General knowledge of the DQR guideline is needed to understand 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.

Important: In some cases, validations have even become stricter at both the ARGE/SHK and OpenData Portal, while the guideline ‘officially’ did not change. In general, an upload will be successful only if the exported file technically complies to the rules, as established in the XML Schema Definition (XSD), however the DQR guidelines contain several rules that are not dealt with on XSD-validation, which means that extra validations are made when delivering the data.

This document explains how to best prepare for a DQR export.

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

1.1 Concepts

COS	Compano Online Software
PIM	Product Information Management system
ARGE	<i>ARGE</i> is the exchange format of <i>ARGE Neue Medien</i> . <i>Participants</i> use this format to exchange their data with the <i>Sanitär-Heizung-Klima (SHK)-Branche Portal</i> . The ARGE format follows the DQR guideline, which is maintained by SHK.
DQR	The new <i>Data Quality Guideline</i> contents have been adopted by ARGE, BVBS, DG Haustechnik and ZVSHK. The new DQR will be valid from April 1, 2022 and will be mandatory from October 1, 2022. Note: The DQR guideline can also be used to import the <i>OpenDataCheck</i> format.
OPENDATA	Beside the ARGE/SHK portal, the same data can be published to or retrieved from the OPENDATA portal which is maintained by German service provider <i>ITEK</i> .
ERP	Enterprise Resource Planning software often also used for storing and managing product information. Examples of ERP software are, for instance, SAP, Infor M3, Microsoft Dynamics
ETIM	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.



2 General Remarks

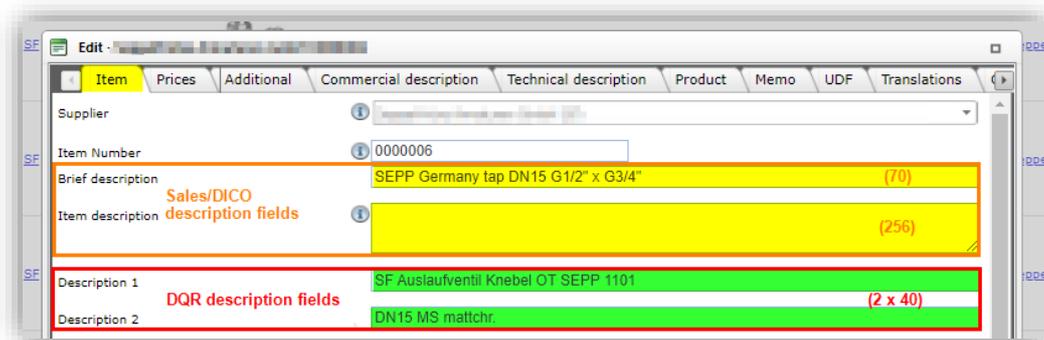
The *Datenqualitätsrichtlinie (DQR)* export format can be used for exchanging data with either the *ARGE SHK Branchportal* or the *OpenData / ITEK Portal*. As the file headers for ARGE and OpenData differ, the correct Guideline needs to be set in the Export dialog:

However, consider that the DQR format does contain some *limitations and mandatory rules*:

- Item codes can have a maximum of 15 positions. Note that items with longer codes are simply *not exported* using this format. Tip: If your codes are longer than 15 positions, you will need to make use of an assortment within COS PIM where you use *adjusted codes* suitable for the German market.
- One record in a DQR file is a mix of item and product data. This means that a product linked to the item is mandatory. Note that an item without a product will simply not be exported.
- The data needs to contain *German descriptions*. This means that, in case of a multilingual PIM, the German description needs to be filled out.
- Whereas the Dutch SALES005 standard uses both *short* (70 characters) and *long* (256 characters) descriptions for items, for the German market a longer description can as well be divided over two data fields: *Description 1* and *Description 2*. Both fields can contain a maximum of 40 characters.

Important: Description 1 is a mandatory field for DQR exports

- As the length of an *item description* in COS can be 256 characters long, in the DQR export this (German) description will be used to fill DQR's **sDescriptionShort** since that description matches the 256-character limit. Note: When leaving the DE Item description blank, the Product description will also be exported as the Item description.



- The DQR format contains another (relatively new) description field **sDescriptionLong** which would allow 10,000 characters. The Technical Description from COS will be exported to this field. The following fallback is active **Article > Article Group > Product > Product Group**. The description is not normalized on export; HTML-tags are therefore not removed. The maximum length is 1000 positions, if longer then the text will be truncated.
- The COS PIM data field *Commercial Description* is exported to the DQR field **sDescriptionMarketing** and to the (old style) DQR **Longtext** fields.
 - Important: When *automatic fallback of translations* is enabled, it is sufficient to fill out the fields *Description 1* and *2* on the *Item* tab, otherwise the *German translations* of these two fields need to be filled out on the *Translation* tab (!) (Preferred in a multilingual setup)



- All items in your assortment need to have a *reference* to:

DQR required field	Max code positions	COS equivalent
Warengruppe	3	Item Group
Rabattgruppe	4	Condition Group
Produktgruppe	10	Product Group
Bonusgruppe (optional)	35	Bonus Group

Note: In COS PIM not all the equivalent fields have to be used. With the smart use of various export options, some problems can be bypassed, as long as *Condition group* codes of 3 or 4 positions and/or *Item group* codes for the relevant assortment and its items are used. See also chapter [4. Settings for Condition Group/Item Group/Product Group](#).

- DQR allows for the export of ETIM classification data, however German data pools do not support the standard *ETIM Dynamic* format, which is commonly used in the Netherlands. Either ETIM 7¹, ETIM 8, or ETIM 9 classifications can be used. Technically the DQR format allows for instance both ETIM 8 and 9 in one file, but COS PIM does not support that, on export you will have to choose one ETIM version. Note: On import, COS will only import the information of the highest ETIM-version.

¹ Most likely the German data pools will also allow or prefer now the newer ETIM 9 standard (situation as of June 2023).

Note: To be able to classify in, for instance, ETIM 9, your PIM-system needs to be set up with the ETIM 9 classification system. You will also need to purchase the *Multi-classification License*, for more information, please contact Compano Sales (sales@compano.com).

- Important: DQR exports need to be initiated at the Assortment level, as only this export contains the various settings and options which are necessary for a successful export.

3 Settings assortment/supplier level

DQR exports generate an XML-file. The *header data* of this file will contain mandatory information that needs to be set correctly at the Assortment and Supplier entities in COS:

```

katalog.xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <SHK_Stammdaten xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="open_datacheck_7.0.xsd" version="7.0">
3 <Header>
4   1 <sSupplierID>50</sSupplierID>
5   <sSupplierShortName> 2 </sSupplierShortName>
6   3 <sSupplierSynonym />
7   <sCatalogID>RE150002:IT:_STANDARD</sCatalogID>
8   <sCatalogDesc>_STANDARD</sCatalogDesc>
9   <dValidityBegin>06122021</dValidityBegin>
10  <dValidityEnd>31012022</dValidityEnd>
11  <sMessageName>2021.10</sMessageName>
12  <bIncludesSystemRelevantPackagings>>false</bIncludesSystemRelevantPackagings>
13  <sPackagingDisposalProvider>Dispo</sPackagingDisposalProvider>
14  <sTeststring>1234567890abcdefghijklmnopqrstuvwxyzöäüåÛø€</sTeststring>
15 </Header>
16 <Waregroups>
17   <sWaregroup>HPB</sWaregroup>
18   <sDescription>LED High Power Bulb</sDescription>
19 </Waregroups>
20 </Waregroups>
  
```

1. **sSupplierID:** The **sSupplierID** is taken from the *Organization* number in COS, which in turn is linked to the Supplier.
 - a. The number/code used here is initially provided by the data pool.
 - b. When *no organization* is linked to the supplier, the GLN-code from the supplier is exported, however this might lead to a validation error depending on where you deliver your data. Officially since DQR 7 use of a GLN is allowed. In case of errors check with the data pool if you are allowed to use a GLN-code (should be preferred) or that you must use a specific (mostly 2 or 3 digit) number.
 - c. When uploading data for the first time, the correct **sSupplierID** number is not yet known and needs not be filled out. However, on subsequent uploads, the number supplied by the data pool *should be entered into COS* as the *Organization number*.



2. sSupplierShortName: The **sSupplierShortName** is taken from the *German translation of the Assortment Description*.
3. sSupplierSynonym: The **sSupplierSynonym** is taken from the *Renumber Code* of the assortment. Which abbreviation to use, needs to be discussed with persons in charge of the data pool.

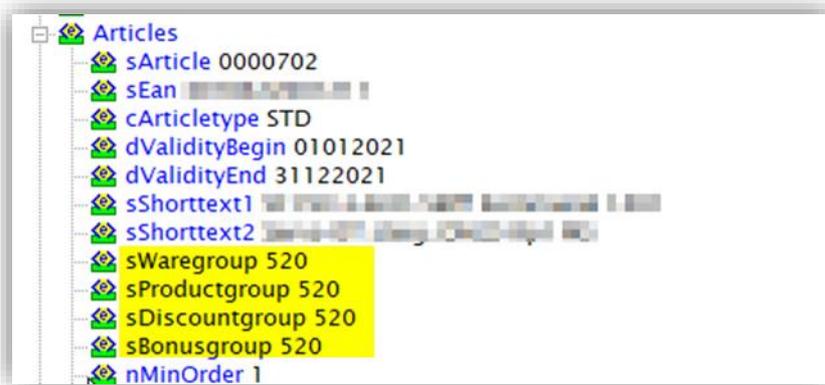
Other relevant information in the *header info* can be set through the *options on the Export pop-up* screen:

- LUCID number: *LUCID Packaging Register number*. Note: When no LUCID code is entered, the LUCID tag will not be exported.
- Disposal service provider: Name of provider responsible for disposal.
- WEEE items: *Waste Electrical and Electronic Equipment (WEEE) Regulation*. When set to **Yes**, all items will get the WEEE number specified here. Note: When WEEE Certificates are used at specific products and WEEE is *not* relevant for all your products, the WEEE number does not need to be provided here as the WEEE number of the WEEE certificate will be used.
- WEEE number: The WEEE number is a manufacturer number that is assigned to the first distributors of electrical and electronic equipment following successful registration with *Stiftung EAR*. It consists of a country code and an 8-digit sequence of digits (e.g. "WEEE Reg. No. DE 12345678"). According to the German Electrical and Electronic Equipment Act, manufacturers must state their WEEE number during product sales and on invoices.
- Catalogus version. The catalogue ID fills the **MessageName** tag and can also contain text (like "Pricelist jan. 2023"); any kind of text is allowed.

4 Settings for Condition Group/Item Group/Product Group

Note: Each item in the DQR export needs to be linked to a *Waregroup (Warengruppe)*, *Productgroup (Produktgruppe)* and *Discountgroup (Rabattgruppe)*. Optionally, the item can also be linked to a *Bonusgroup*.

DE name	Name in XML	COS PIM NL / EN
Warengruppe	sWaregroup	Artikelgroep / Item group
Rabattgruppe	sDiscountgroup	Conditiegroep / Condition group
Produktgruppe	sProductgroup	Productgroep / Product group ²
Bonusgruppe	sBonusgroup	Not used in Compano



Important: Please be aware that when your items and products are *not* linked to COS Item, Product or Condition (Discount) groups, that the groups in COS have not been setup in a way that is suited for DQR export.

To bypass any problems that might arise from your setup of groups, your Condition Group codes should have a maximum of 4 characters, and in some situation even 3 characters.



Figure 1. Example of an Item group code with too many characters.

Correct use of codes

Should you use Item, Product or Condition group codes in COS, and you need to export them in DQR, please make sure that:

- *Item group codes* have a maximum of 3 characters.
- *Product group codes* have a maximum of 10 characters.
- *Condition group codes* have a maximum of 4 characters.

Note: These requirements are mutually exclusive (!), thus, in the example above, the item would *not* be exported even though the condition group code has only 3 digits, the item group code is

² Not to be confused with ETIM Product groups / Product class

having too many characters (4). In the same line of thinking, the item should be linked to a product with a Product Group code of a maximum of 10 characters.

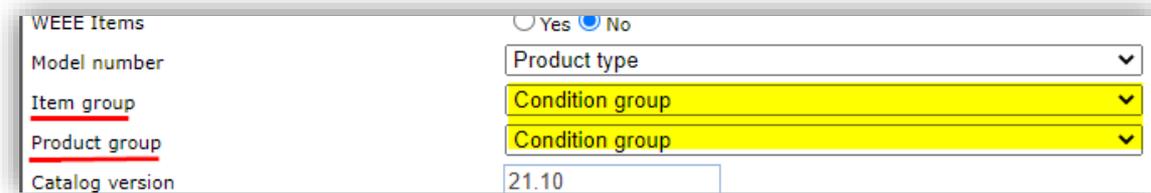
4.1 Export setting options

Depending on your situation, there are several options for the export settings which will help you to match the DQR requirements mentioned above. These options are explained below.

4.1.1 Best practice method

Note: While there are several export settings options, there is one *best practice method*:

When you setup *condition group codes* in COS with a maximum of 3 characters, you can use these for both the Item group (*Warrengruppe*) and Product group (*Produktgruppe*) codes for export to DQR:



WEEE Items	<input type="radio"/> Yes <input checked="" type="radio"/> No
Model number	Product type
Item group	Condition group
Product group	Condition group
Catalog version	21.10

This way, you will *never run into trouble* whatever the setup of your item or production group codes in COS.

Note: Apart from this best practice method, which uses existing condition group codes, you could also setup a custom system using user-defined fields; see paragraph [4.2 MANUAL CONTROL OVER ONE OR MORE GROUP CODES](#).

This option will require the User-defined fields license, please contact sales@compano.com for further information and prices.

4.1.2 Group codes in COS already match requirements

In case your group codes in COS already match the DQR requirements, you can make use of the default export settings:

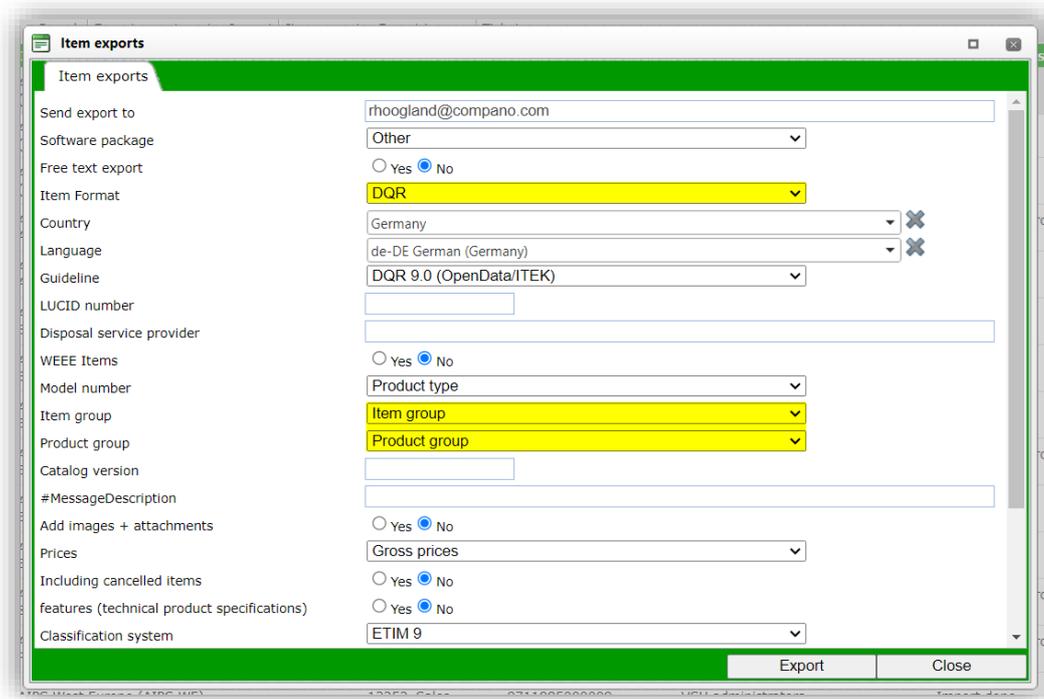
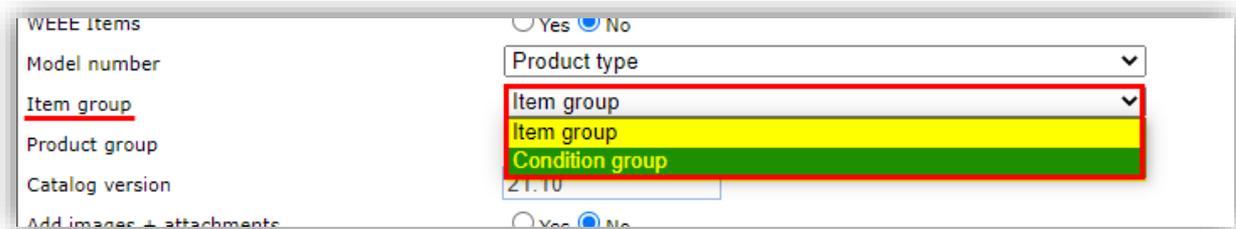


Figure 2. Default DQR settings for item and product groups

4.1.3 Item group codes in COS not used or too long

If you do not use Item groups within COS or the item group codes you use are too long, there are two options:

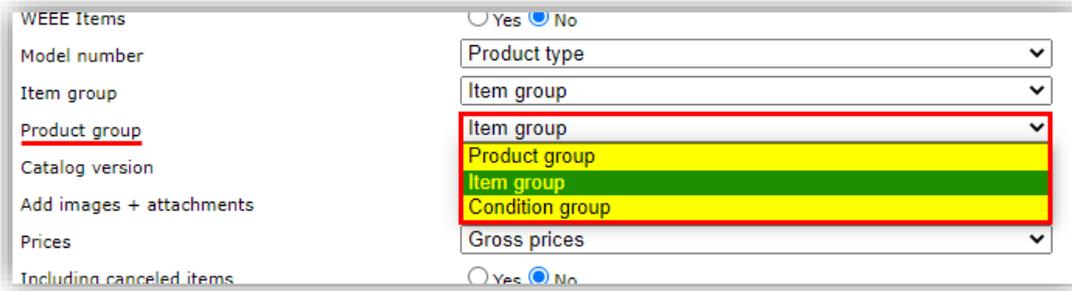
- Since item groups in COS are set per assortment, you could choose to setup 3-character item group codes, specifically for the assortment you need to export.
- Or you can setup condition group codes with a maximum of 3 characters and use these as Item group (*Warengruppe*) codes for export instead:



4.1.4 Product group codes in COS not used, too long or not useable

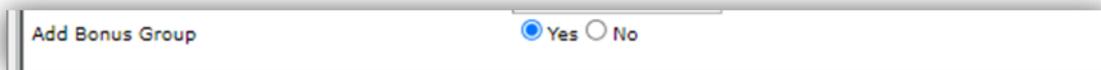
If you do not use Product groups in COS or the product group codes you use are too long, or do not match the DQR requirements, there are two options:

- If your *Item group* codes in COS *do* match the DQR requirements, you can use these as Product group (*Produktgruppe*) codes for export instead.
- Or, you can setup *condition group* codes with a maximum of 3 characters and use these as Product group (*Produktgruppe*) codes for export instead:



4.1.5 When bonus group codes also need to be exported

Bonus groups are not available in COS. However, should you need to export Bonus group tags in your DQR data, then you can use the following setting to include these:



The contents of Bonus groups will be a full copy of *Discountgroups*.

4.2 Manual control over one or more group codes

When group codes in COS are used for other purposes, and thus might not be correct for DQR exports, the fallback options described above cannot be used. In this case, the necessary codes for a DQR export can be filled out by first adding one or more specific *user-defined fields* at the entity *Item*.

DQR_sDiscountgroup	Single choice	DQR sDiscountgroup RG
DQR_sProductgroup	Single choice	DQR sProductgroup PG
DQR_sWaregroup	Single choice	DQR Waregroup WG
DQR_sBonusgroup	Single choice	DQR_sBonusgroup BG

- **DQR_sDiscountgroup**: Discount group code for DQR (max 4 characters)
- **DQR_sProductgroup**: Product group code for DQR (max 10 characters)
- **DQR_sWaregroup**: Ware group code for DQR (max 3 characters)
- **DQR_sBonusgroup**: Bonus group code for DQR (max 35 characters)

4.2.1 Adding DQR-specific user-defined fields

The DQR-specific UDFs need to be added manually to the entity *Item*, and should be of the UDF-type **Single choice**.

Note: The field names must correspond *exactly* to the names as noted above in red font. In a future version of the software, these fields can be generated by using the *Autofill* function on UDFs (Item).

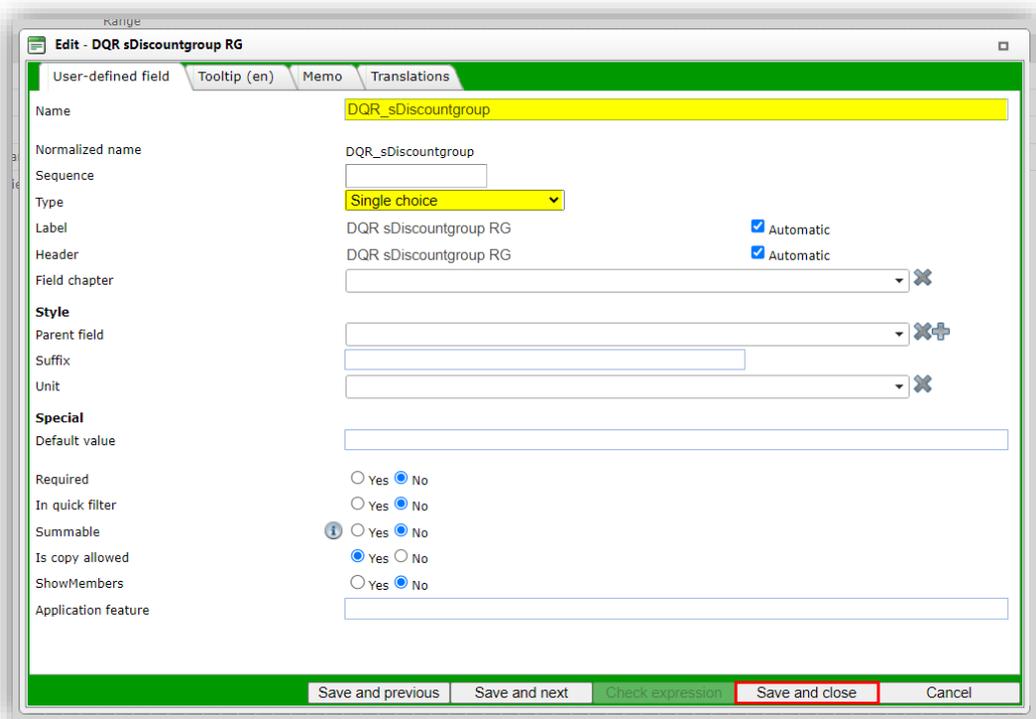
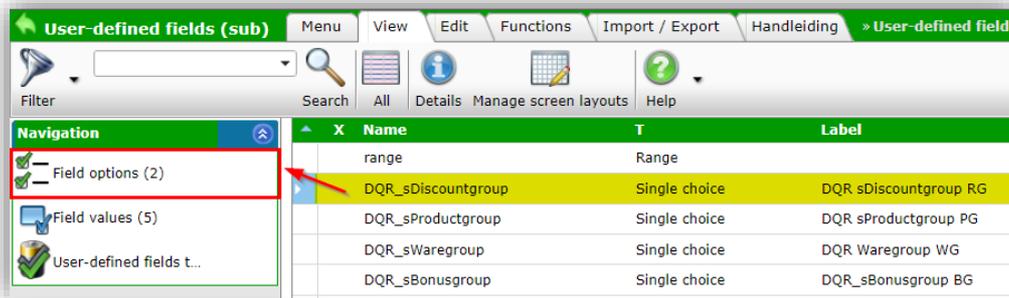


Figure 3. Example of DQR user-defined field

As the UDF is of the type **Single Choice**, the *Field options* also need to be added manually:



Important: The Field option will represent both the *Value* and the *Description* that are exported in DQR:



Figure 4. Example of field options for sDiscountgroup

The Group descriptions for DQR (max 40 characters) need to be filled out in de German (DE) language, thus for each Field value *make sure* to fill out the German translation:

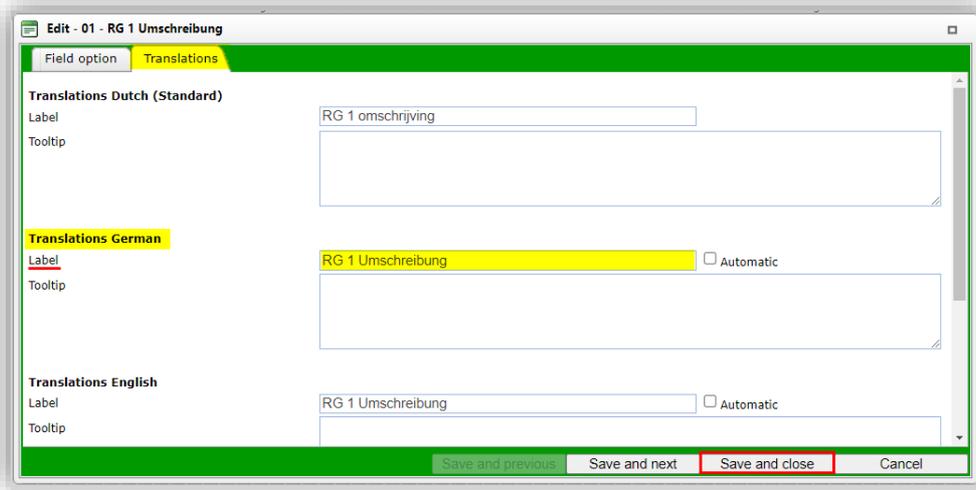


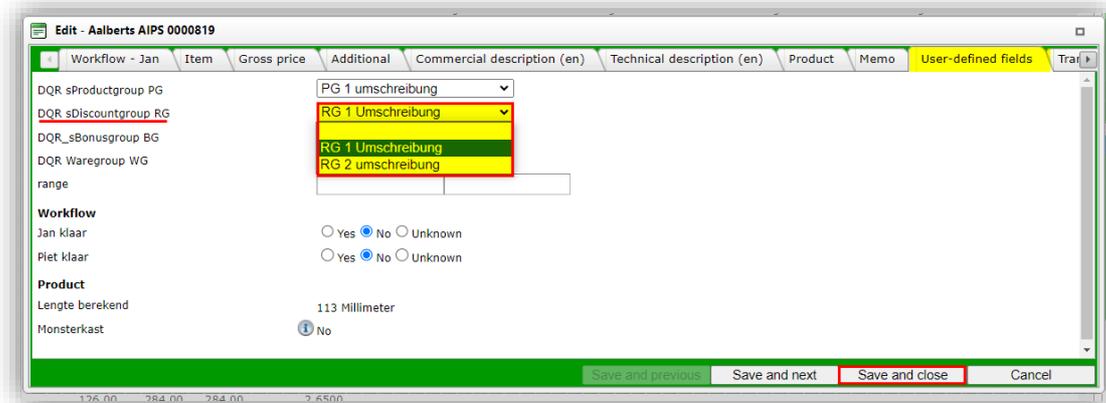
Figure 5. German description (Umschreibung in DQR) needs to be filled out

More information

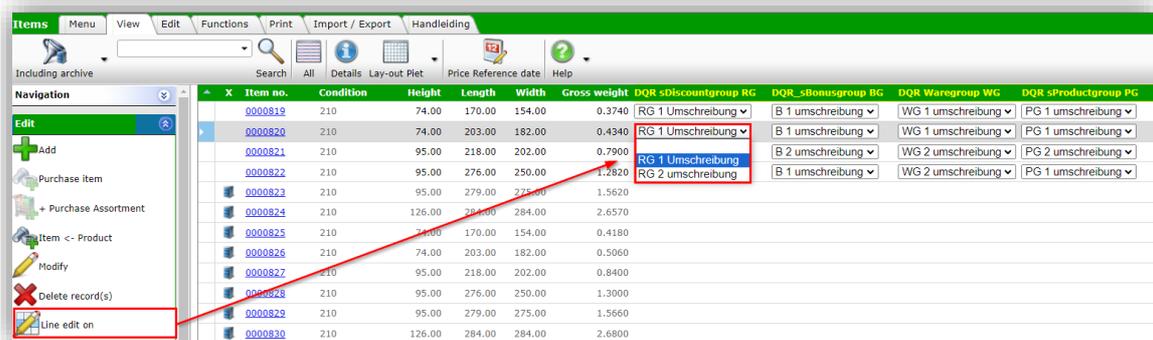
Detailed information on how to add user-defined fields can be found in the Manual user-defined fields, which is available from the [Compano Help-website](http://www.compano.com); please first select the correct version of your software.

4.2.2 Filling out DQR-specific user-defined field

The DQR-specific user-defined fields can be filled out for each Item as follows:



Alternatively, the function *Line Edit* can be used, provided that a screen layout is available that displays the DQR UDFs:



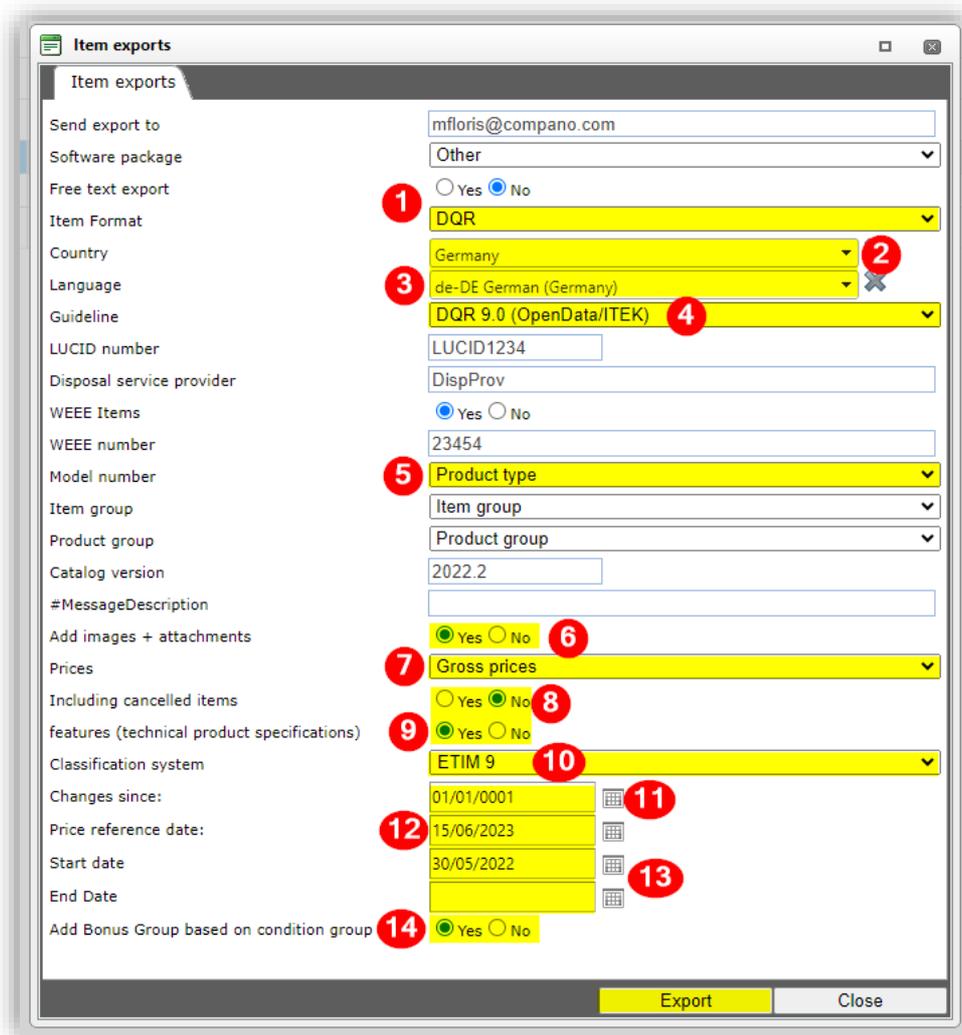
4.3 Height, Length, Width, Weight

The DQR guideline requires that for a *Product Height, Length, Width* and *Weight* always are specified. However, the same information for *Items* is not formally required. Therefore, when the fields *Height, Length, Width* and *Weight* are not filled out in COS at the item, the corresponding tags within the **Packageunit** tag of DQR are *not* created on export.

Note: In practice, you should fill out the item *Height, Length, Width* and *Weight* as well, since these fields are increasingly found to be important.

5 Other settings on export

Some other export settings to take note of, are:



- Item Format: Select the *DQR* format. Note: DQR export are available for either the OpenData portal or the ARGE-SHK portal. Both portals accept this DQR format.
- Country: Select **Germany**.
- Language: Select a *German* language variant (**de, de-DE**).
- Guideline: Select the desired DQR format:
 - DQR 8.0 / OpenData: Format suitable for both DQR 8 and OpenData.
 - DQR 9.0: DQR 9 format

- DQR 9.0 (ARGE): DQR 9 format, specific for data submission to the ARGE Neue Medien portal.
5. Model Number (optional): Note that this setting might not be available in your COS PIM application. This option handles a client-specific situation, and should normally be left on **Product Type**.
 6. Add images + attachments: When set to **Yes**, all images and attachments will be added to the export as a separate, compressed file (ZIP). Large export files (>10MB) will be available for download in your FTPS Download folder. For instructions on downloading via FTPS, please see the COS Basics manual, which is available from the [Compano Help website](#).

Note: When testing a DQR export, please first set this option to No to prevent generation of very large files which need to be downloaded via FTPS; this will facilitate your testing.

7. Prices: Select *Gross prices*. Note: If an item does not have gross price, it will get a *price on demand* setting, but check the Guideline yourself that in some cases that is not allowed.
8. Include archived items: Set to **Yes**. According to the Guideline, deleted/archived items in COS PIM should be exported on *subsequent* exports for a limited period. Note: Less relevant on a first export.
9. Features (technical product specifications): Set to **Yes**. Exports the classification data.
10. Classification system: Set this to **ETIM7**, **ETIM8** or **ETIM9**. Important: Only do so, when your products *have indeed been classified* using the ETIM 7, ETIM 8 or ETIM 9 system (!).
11. Changes since: Basically, always leave *empty*, to ensure a full export.
12. Price Reference Date: When future prices have been added to your COS PIM, fill in the future price date if you need to export these future prices.
13. Start/End date: These dates indicate the validity of the catalogue. Please fill in the correct validity dates for this export. Note: Be aware that even if you set the end date to the end of this year, you still can add new uploads in between. This allows you to set the end date far enough forward³.
14. Add bonusgroup based on discountgroup: When set to **Yes**, the bonus groups in the DQR export file will be copied from the *condition groups* in COS.

6 Descriptions

Some descriptions are handled differently by DQR.

6.1 Technical descriptions

The data field Technical Description will be exported in DQR as follows:

- Technical description texts fall back from Item to Item group, to Product and finally to Product Group.
- The German translation text is exported to **sDescriptionLong**, including HTML-tags.

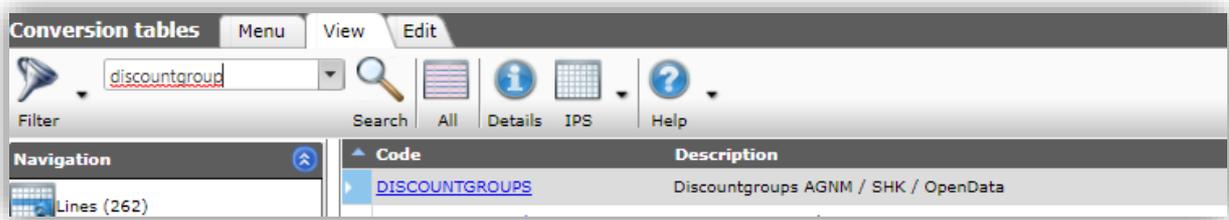
³ Note that at *item* level you can set an end date for items that are running out. Often the end date in DQR6-files is filled out for all items with the end date from the pricelist. This is *not* necessary, and even ill-advised as your customers might think that the items will be obsolete per, for instance 31-12-2021, even when you plan to produce them for many years more. That means that, for regular items, you can leave the end date at item level just empty.

- The maximum length of a text is 1000 positions (including spaces). Longer texts will be truncated.

6.2 Descriptions for Condition group/Item group/Product group

When COS Item groups and Product groups are used—when referred to by the items to export⁴—these will be listed at the beginning of the XML-file. *Descriptions* of these groups will be taken from the German translation of the item or product groups.

When your COS application *does not contain* contracts and sales conditions (COS MDM), you will need to use a *conversion table*⁵ to fill in the correct descriptions for the condition groups to be used. This conversion table should be named **“DISCOUNTGROUPS”**:



The **“Value IN”** should contain the *condition group codes* to be used, and the **“Value OUT”** should contain the *corresponding German descriptions*, for example:

Value IN	Value OUT
130	-Stahlfitting bis 54mm
110	s Kupferfitting bis 54 mm
112	s Edelstahlfitting bis 54mm
113	s C-Stahlfitting bis 54mm
115	s Edelstahl XL ab 76,1 mm

Note: Newly added or changed condition codes can only be exported after the Compano server has recycled. Servers are recycled each night; thus any additions or changes are available for export on the next day (!)

7 Regulations

Each DQR record has **“Regulations” tags**, which are *mandatory* for each item, so these tags will be added to the DQR export by default. Note that some of these tags, which in previous versions were *singular tags* like **bdDangerGood = true/false**, have now been replaced with *attribute tags* belonging to the attribute system **“Regulations”**.

⁴ Note: Each Item that is to be exported must be in a Rabattgruppe, Warengruppe or Produktgruppe, and each of these groups, which have to be present at least one time, are then listed as *base info* at the beginning of the DQR export file.

⁵ A Compano consultant will provide the initial setup of the Conversion Table.

In the paragraph below, you will find an overview of these regulations tags and how they can be filled out.

7.1 Gefahrgut

The Gefahrgut tag can be filled out either by:

1. Setting the *ADR Hazardous Material* option at the Product data.
2. Adding a Certificate of type **DQR_GG**.

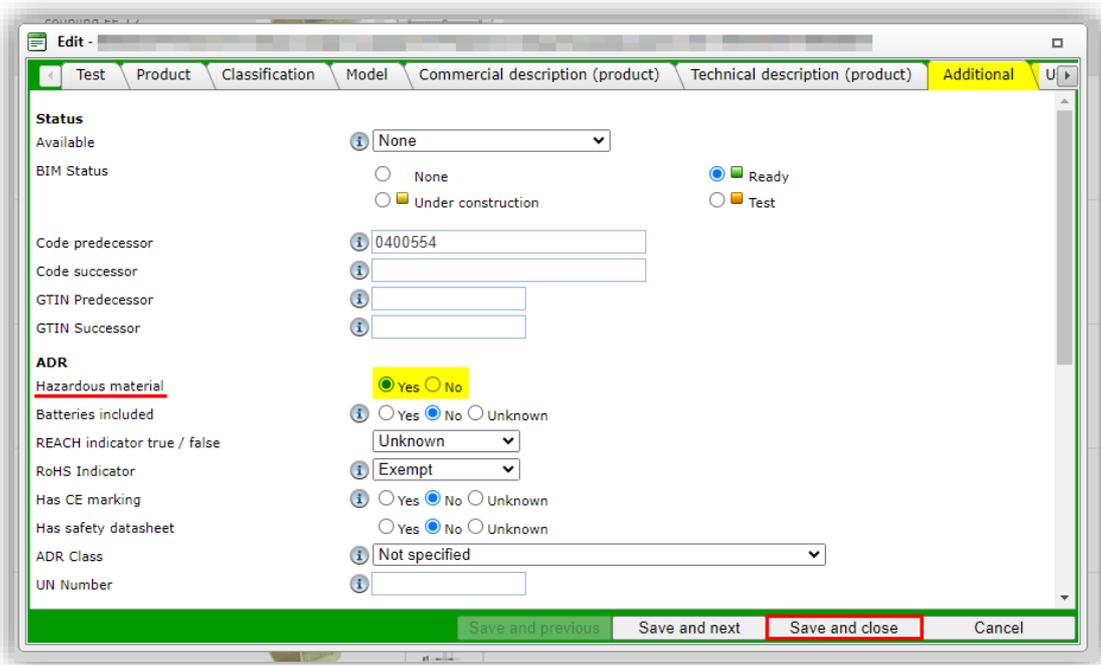
Which option to use, depends on the type of Gefahrgut. Please see the list below and also consult the [DQR 9.0 Code List](#).

UBA-Positivliste	Kennzeichen UBA-Anforderung	Kennzeichen UBA-Anforderung	
Gefahrgut	Kennzeichen	Kennzeichen Gefahrgut	
Gefahrgut	UN-Nummer	UN-Nummer	↑ ADR Hazardous Material option
Gefahrgut	Gefahrenklasse	Gefahrenklasse	
Gefahrgut	Beförderungskategorie	Beförderungskategorie	
Gefahrgut	Offizielle Benennung	Offizielle Benennung	
Gefahrgut	Technische Benennung	Technische Benennung	
Gefahrgut	Gefahrenzettel	Gefahrenzettel	
Gefahrgut	Verpackungsgruppe	Verpackungsgruppe	↓ DQR_GG Certificate
Gefahrgut	Anzahl der Versandstücke	Anzahl der Versandstücke	
Gefahrgut	Beschreibung der Versandstücke	Beschreibung der Versandstücke	
Gefahrgut	Tunnelbeschränkungscode	Tunnelbeschränkungscode	
Gefahrgut	Wassergefahrgutklasse	Wassergefahrgutklasse	
Gefahrgut	Begrenzte Menge	Begrenzte Menge	
Gefahrgut			

Note: Some types of Gefahrgut need additional information, such as [7.5 BATTERIEKENNZEICHNUNG](#).

7.1.1 ADR Hazardous Material option [GG]

At the Product level, the Gefahrgut tag can be set by filling out the *ADR – Hazardous Material* option, which can be found on the *Additional* tab:



The screenshot shows the 'Edit' window with the 'Additional' tab selected. The 'ADR' section is expanded, and the 'Hazardous material' field is set to 'Yes'. Other fields in the 'ADR' section include 'Batteries included' (No), 'REACH indicator true / false' (Unknown), 'RoHS Indicator' (Exempt), 'Has CE marking' (No), 'Has safety datasheet' (No), 'ADR Class' (Not specified), and 'UN Number' (empty). The 'Save and close' button is highlighted with a red box.

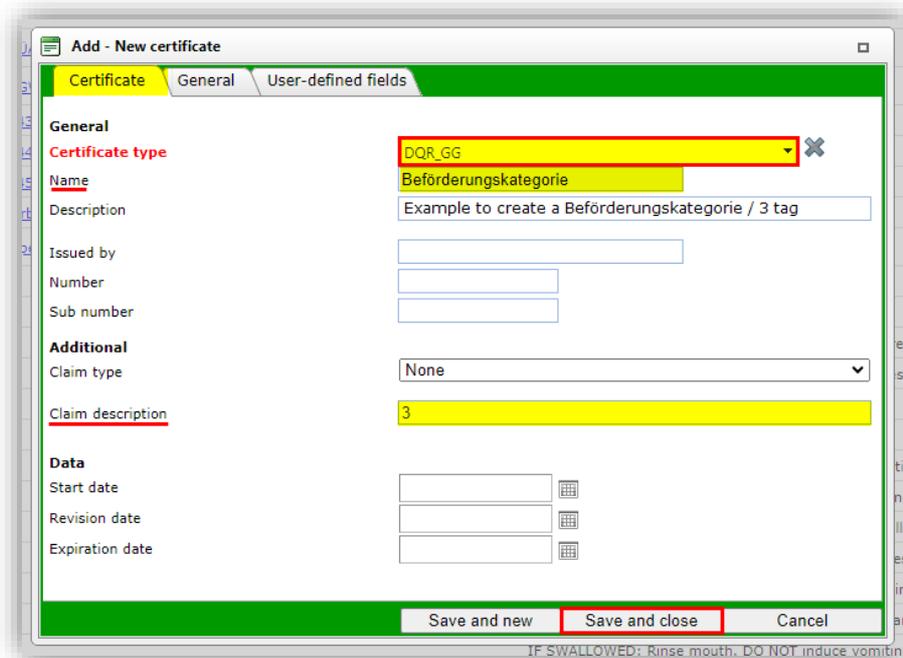
- Set to *Yes*: `sAttributevalue = true`
- Set to *No*: `sAttributevalue = false`

	<code>cAttributesystem</code>	Regulations
	<code>sAttributeclass</code>	Gefahrgut
	<code>sAttributename</code>	Kennzeichen
	<code>sAttributevalue</code>	false

7.1.2 DQR_GG Certificate

Important: For DQR, this certificate type replaces the GG-certificate which was available as of COS-version L03.

The DQR_GG certificate needs to be filled out as follows:



- Name: Fill out the appropriate **sAttributename** from the [DQR 9.0 Code List](#).
- Claim description: Fill out the appropriate **sAttributevalue** from the [DQR 9.0 Code List](#).

7.2 Gefahrstoff

Depending upon the type of Gefahrstoff, this information can be added to the DQR export by either filling out a:

1. Setting the *ADR Hazardous Material* option at the Product data and select the correct GHS code.
2. Adding a Certificate of type **DQR_GS**.

Which option to use, depends on the type of Gefahrstoff. Please see the list below and also consult the [DQR 9.0 Gefahrstoff Code List](#).

Lagerklasse	8B	
Lagerklasse	10	
Lagerklasse	11	
Lagerklasse	12	DQR_GS Certificate
Lagerklasse	13	
Kennzeichen nur gewerblich	true	
Kennzeichen nur gewerblich	false	
<hr/>		
GHS-Gefahrenpiktogramm	GHS01	
GHS-Gefahrenpiktogramm	GHS02	
GHS-Gefahrenpiktogramm	GHS03	Hazardous Material option + GHS code
GHS-Gefahrenpiktogramm	GHS04	
GHS-Gefahrenpiktogramm	GHS05	

7.2.1 Hazardous Materials option [GS]

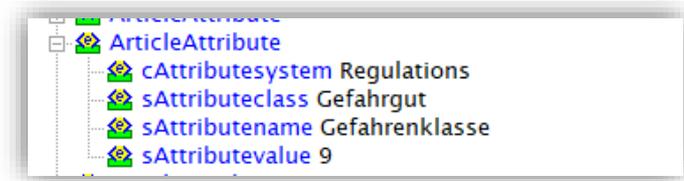
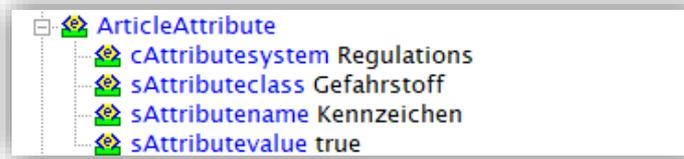
- Set the Globally Harmonised System of Classification and Labelling of Chemicals.



At the Product level, set *ADR Hazardous Material* to **Yes**, and fill out the *ADR Class* by selecting one of the options from the drop-down menu:

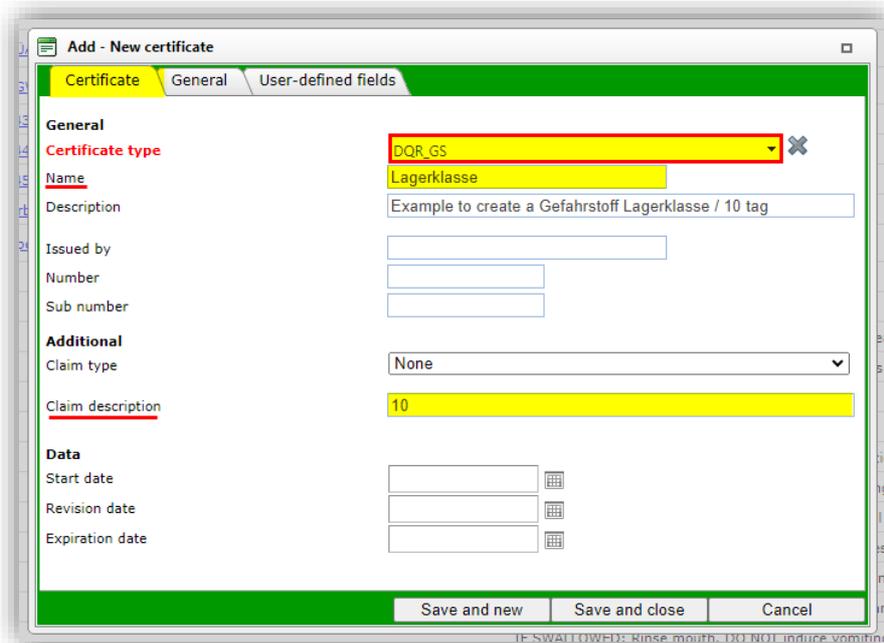


The **sAttribute** value of **Gefahrstoff** will be set to **true** and the **Gefahrenklasse** tag will be added and set to the correct value:



7.2.2 DQR_GS Certificate

The DQR_GS certificate needs to be filled out as follows:



- Name: Fill out the appropriate **sAttributename** from the [DQR 9.0 Gefahrstoff Code List](#).
- Claim description: Fill out the appropriate **sAttributevalue** from the [DQR 9.0 Gefahrstoff Code List](#).

Important: The following 3 types of Gefahrstoff information make use of the alternative *GHS Gefahrstoff* certificate type:

GHS-Gefahrenpiktogramm
Gefahrenhinweis
Sicherheitshinweis

7.3 REACH

When REACH data *is relevant*, the tag **sAttributename Datum** is filled out with the date from the REACH-certificate. A REACH-certificate can be added, using the Certificate entity in COS. For detailed instructions, see the [Manual Attachments and Certificates](#).

Note: REACH assumes that you will regularly review the validity of your certificate, therefore the *revision date* of a REACH-certificate needs to be filled out:

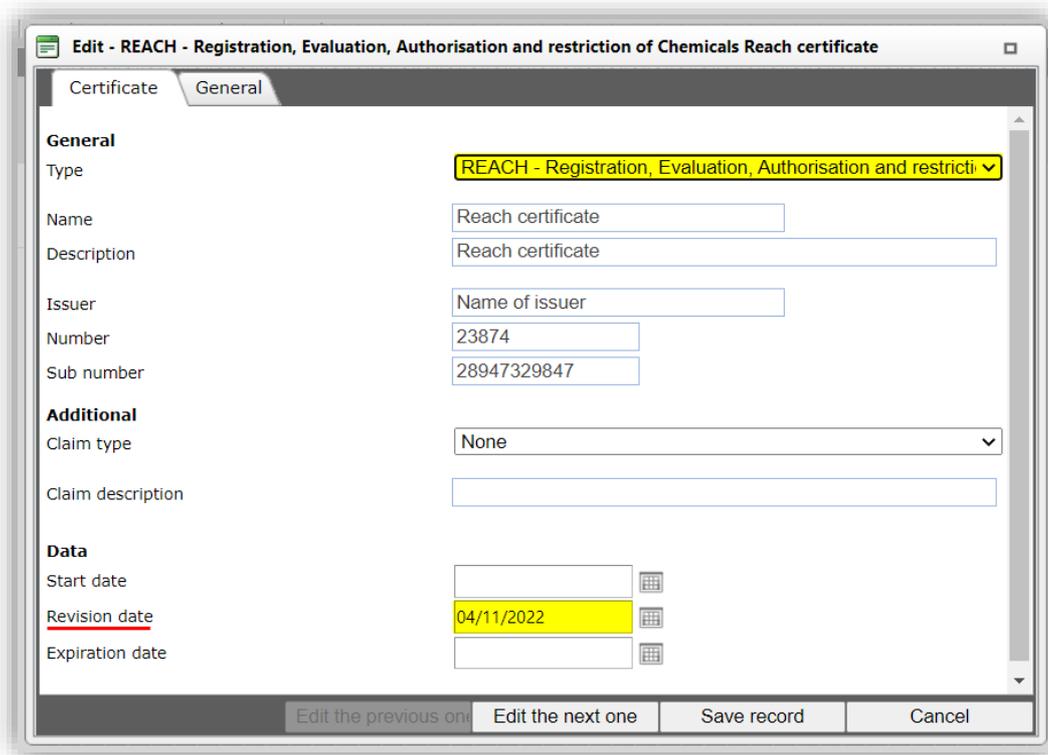


When a product has been linked to a REACH-certificate with a filled out *revision date* the tag **sAttributename Datum** will change to:

```

<ArticleAttribute>
  <cAttributesystem>Regulations</cAttributesystem>
  <sAttributeclass>REACH</sAttributeclass>
  <sAttributename>Kennzeichen</sAttributename>
  <sAttributevalue>true</sAttributevalue>
</ArticleAttribute>
<ArticleAttribute>
  <cAttributesystem>Regulations</cAttributesystem>
  <sAttributeclass>REACH</sAttributeclass>
  <sAttributename>Datum</sAttributename>
  <sAttributevalue>01032022</sAttributevalue>
</ArticleAttribute>

```



Edit - REACH - Registration, Evaluation, Authorisation and restriction of Chemicals Reach certificate

Certificate **General**

General

Type: REACH - Registration, Evaluation, Authorisation and restricti

Name: Reach certificate

Description: Reach certificate

Issuer: Name of issuer

Number: 23874

Sub number: 28947329847

Additional

Claim type: None

Claim description:

Data

Start date:

Revision date: 04/11/2022

Expiration date:

Edit the previous one | Edit the next one | Save record | Cancel

Figure 6. Reach certificate with filled out Revision Date

The DQR export tag **sAttributename Datum**, will indicate whether Reach data is *relevant or not*. However, when *no* REACH certificate has been linked to the product, the **sAttributevalue** tag will be filled out with the **no data** tag and the *date of export* will *not* be filled out.

7.3.1 REACH FALSE

REACH offers the option to explicitly set the **sAttributevalue** to FALSE:

```

<ArticleAttribute>
  <cAttributesystem>Regulations</cAttributesystem>
  <sAttributeclass>REACH</sAttributeclass>
  <sAttributename>Kennzeichen</sAttributename>
  <sAttributevalue>>false</sAttributevalue>
</ArticleAttribute>
<ArticleAttribute>
  <cAttributesystem>Regulations</cAttributesystem>
  <sAttributeclass>REACH</sAttributeclass>
  <sAttributename>Datum</sAttributename>
  <sAttributevalue>02022024</sAttributevalue>
</ArticleAttribute>

```

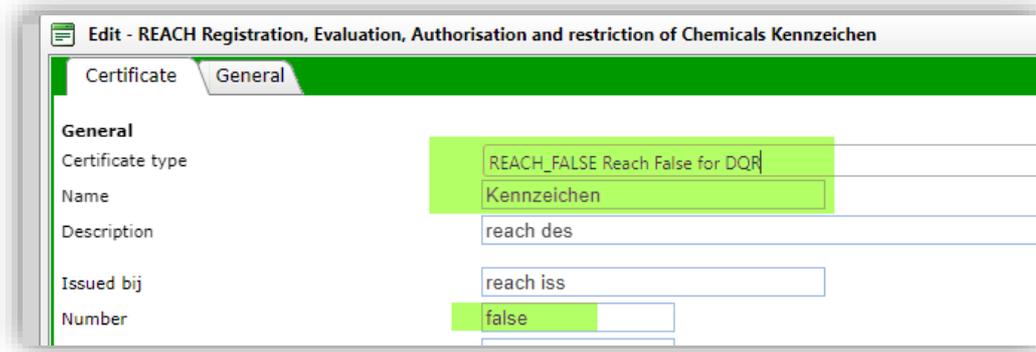
To accomplish this in COS, a new REACH-certificate needs to be prepared and linked to the product, as follows:



1. Certificate type: Select the REACH certificate type.
2. Name: Enter the value **Kennzeichen**.
3. Number: Enter the value **false**.
4. Revision date: Set a revision date.

This method works fine for DQR exports, however for BMEcat and DICO exports a new certificate type needs to be established:

Next, the REACH_FALSE certificate type can be used to generate a correct export in BMEcat and DICO:

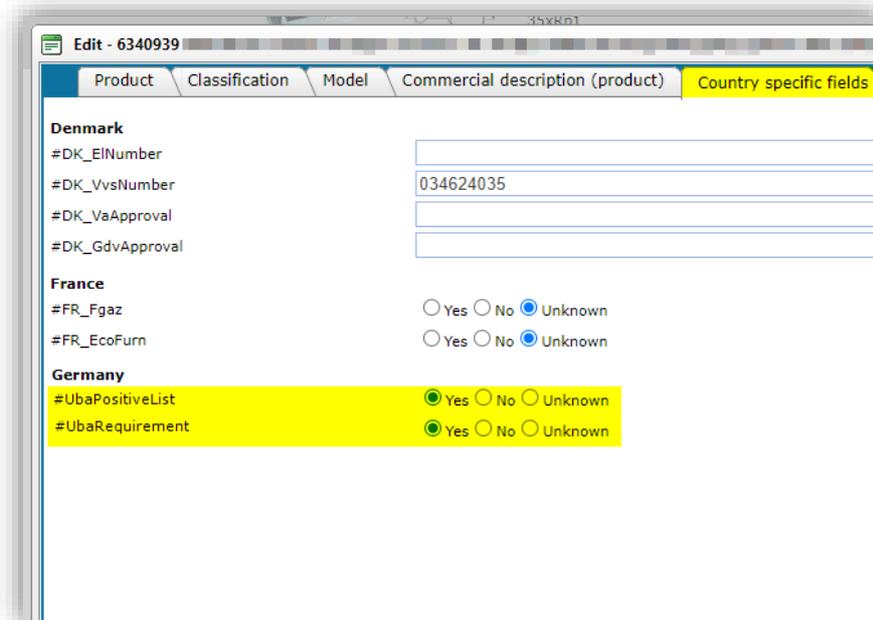


7.4 UBA-Positivliste

The UBA-Positivliste identifies drinking water safety of organic materials. Within the DQR standard the **sAttributeclass UBA_Positiv** is split up into two tags: **Kennzeichen UBA-Positivliste** and **Kennzeich UBA-Anforderung**. The second tag only becomes relevant when the first tag is set to **true**. In all other cases, the **Kennzeich UBA-Anforderung** will be set to **false**.



In COS these attributes can be set at the Product level, on the *Country-specific fields* tab:



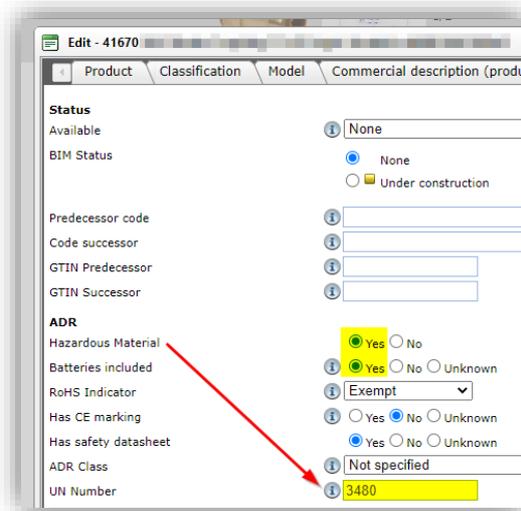
Note: Country-specific fields are *not* available by default; please contact your Compano consultant to have this set up.

7.5 Batteriekenzeichnung

The **sAttributeclass Batteriekenzeichnung** consists of two tags: **Kenzeichen** and **Batteriepiktogramm**.



In COS, both tags can be set at the Product level, at the *Additional* tab:

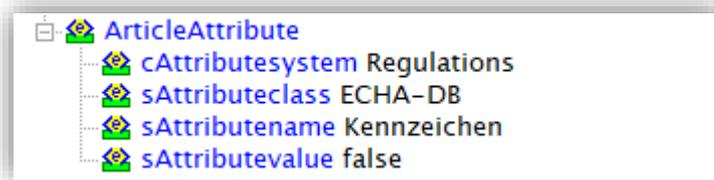


Note: The *UN Number* field only will become available when the *Hazardous Material* field is set to *Yes*.

The **Batteriepiktogramm** tag will be filled in, based on the correct *UN number* (3480, 3481, 3090 or 3091). Please note that the UN number can be filled out directly at the product, as shown above, or will be determined by the Certificate which is attached to the product:

```
<ArticleAttribute>|
<cAttributesystem>Regulations</cAttributesystem>
<sAttributeclass>Batteriekenzeichnung</sAttributeclass>
<sAttributename>Kenzeichen</sAttributename>
<sAttributevalue>>true</sAttributevalue>
</ArticleAttribute>
<ArticleAttribute>
<cAttributesystem>Regulations</cAttributesystem>
<sAttributeclass>Batteriekenzeichnung</sAttributeclass>
<sAttributename>Batteriepiktogramm</sAttributename>
<sAttributevalue>Ja, UN 3480</sAttributevalue>
</ArticleAttribute>
```

7.6 ECHA-DB



The **sAttributename ECHA-DB Kennzeichen** tag will by default be set to **false** to indicate that ECHA-DB does not apply.

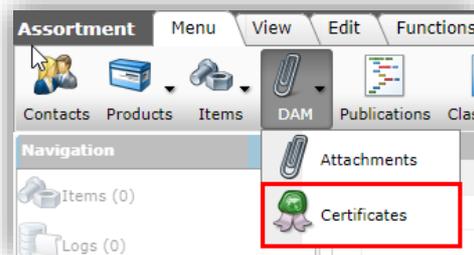
7.6.1 SCIP number

If ECHA-DB *does* apply, a *Certificate* with the correct SCIP number should be added to the product.

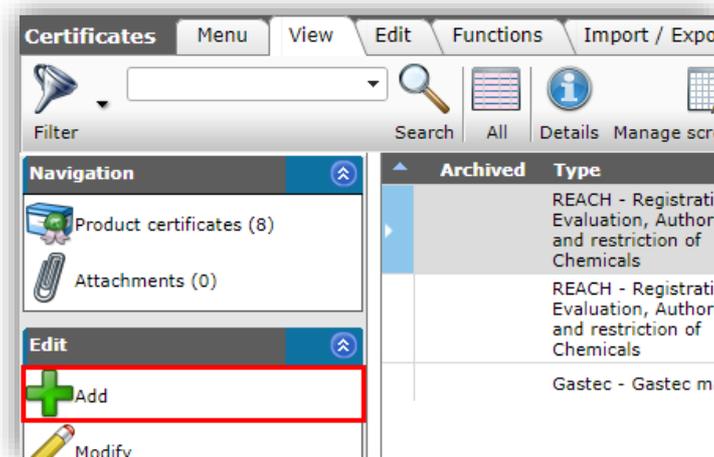
Note: You will only need to add the correct certificate with SCIP number; the **ECHA-DB = true** tag entry will then be added automatically. When no certificate of type DQR Regulations with name ECHA-DB has been added, the tag entry will be: **ECHA-DB = false**.

To add a ECHA-DB certificate with SCIP number:

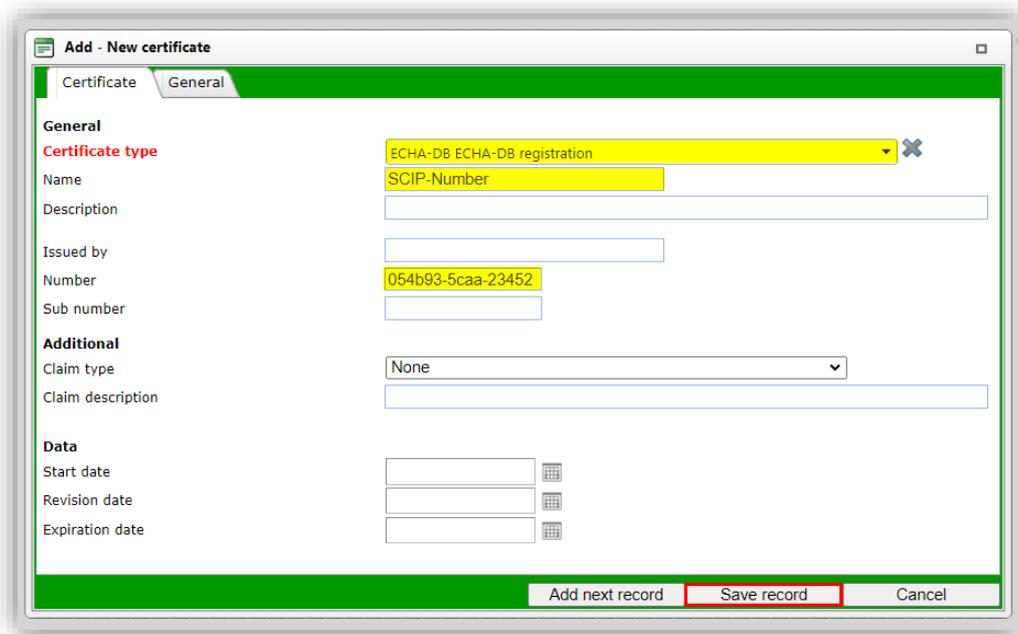
1. Through the Menu, go to *DAM > Certificates*.



2. Under Edit, click on *+Add*.



3. In the pop-up window:



Add - New certificate

Certificate | General

General

Certificate type ECHA-DB ECHA-DB registration

Name SCIP-Number

Description

Issued by

Number 054b93-5caa-23452

Sub number

Additional

Claim type None

Claim description

Data

Start date

Revision date

Expiration date

Add next record | **Save record** | Cancel

- a. Certificate type: Select the option: **ECHA-DB ECHA-DB Registration**
- b. Name: Enter the following text: **SCIP-Number**. This is mandatory!
- c. Number: Enter the correct SCIP number (36-character GUID)
4. Save the record.
5. Add the certificate to any Product to which it applies.

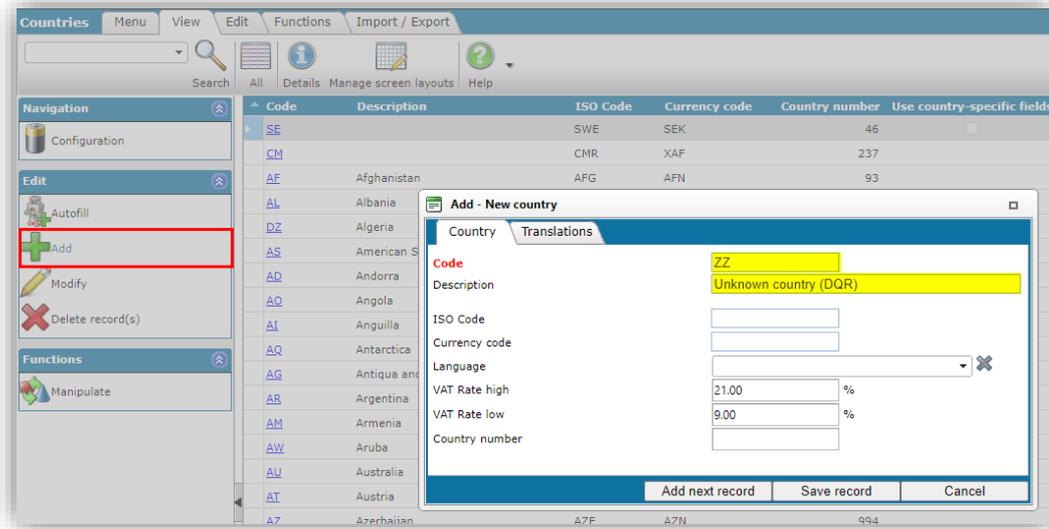
For more information on added certificates, see the Manual Attachments and Certificates on the [Compano Help website](#).

7.7 Country of origin

Within the DQR standard, indicating **CountryOfOrigin** is mandatory. COS will generate a DQR export even when **CountryOfOrigin** has not been filled out, however you can expect a *validation error* when processing this DQR-file on the receiving end.

Important: When exporting a DQR file, COS will use the value of the data field *Country of Provenance* (Item). On import, the DQR **CountryOfOrigin** data field will be imported to the *Country of Origin* field on Product.

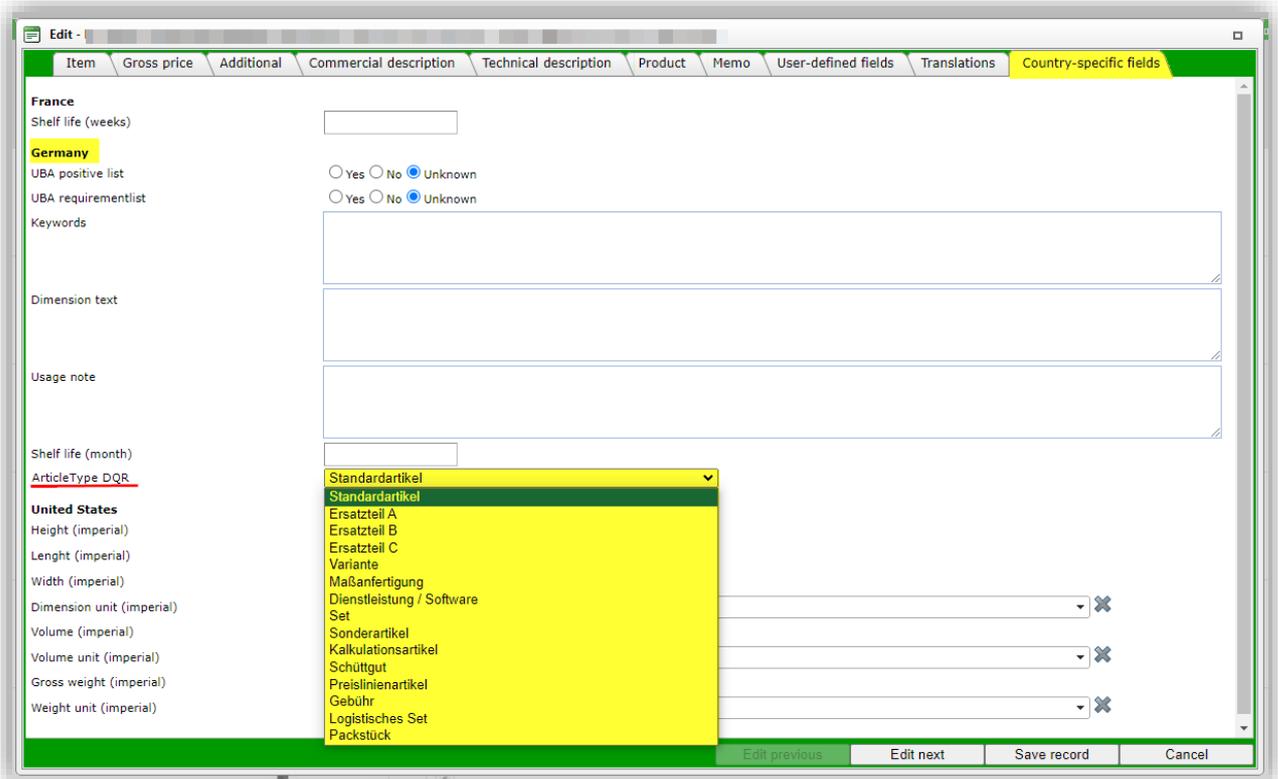
However, DQR does allow you to use the country code **ZZ** for "Unknown Region" when the country of origin is not known. If needed, this special country code can be added to the country table in your application. Country codes can be added *through Menu > System > Configuration > Countries*.



Note: On import, errors can occur if the DQR file contains country codes that are not (yet) known in the Compano application. By adding the missing country codes, through *Add* or *Autofill*, these errors can be solved.

8 Item type (sArticleType)

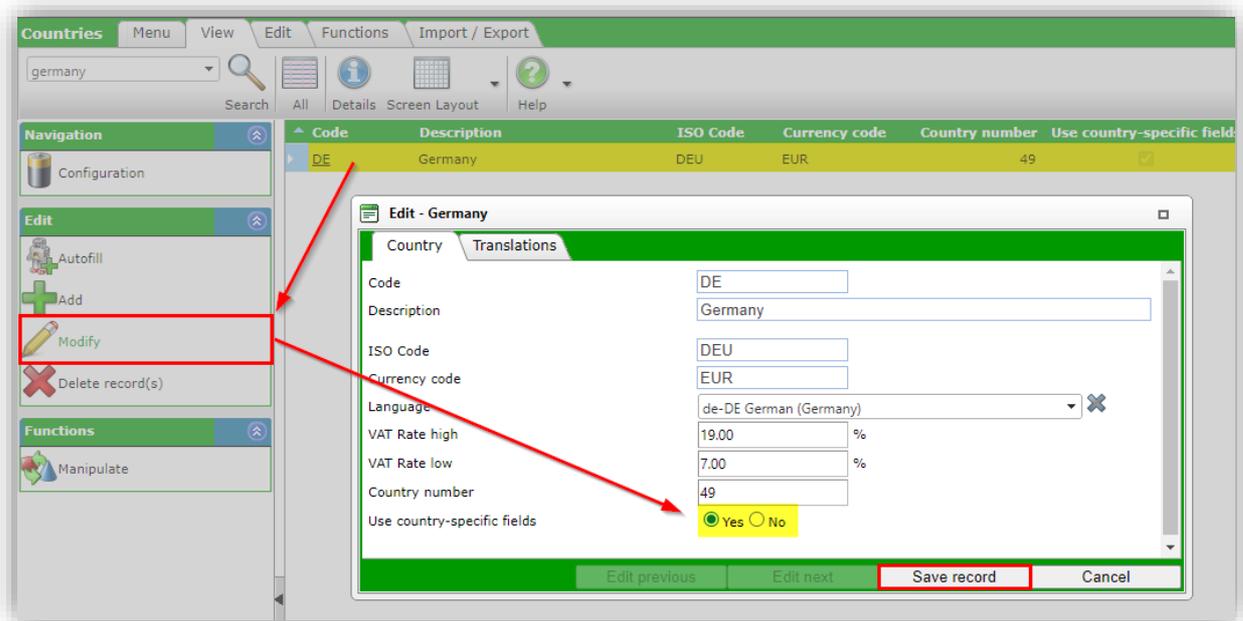
The tag **sArticleType**, which indicates the Item type, can be filled out using the German country-specific data field *ArticleType DQR*.



Selection options for this data field:

Value	Label (nl-NL)	Label (en-GB)	Label (de-DE)
STD	Standaard Artikel	Standard item	Standardartikel
ERA	Reserveonderdeel A	Spare part A	Ersatzteil A
ERB	Reserveonderdeel B	Spare part B	Ersatzteil B
ERC	Reserveonderdeel C	Spare part C	Ersatzteil C
VA	Variant	Variant	Variante
MA	Maatartikel	Customized item	Maßanfertigung
DLS	Service/Software	Service/Software	Dienstleistung/Software
PAK	Set	Set	Paket / Set
SON	Special	Special	Sonderartikel
KAL	Calculatie artikel	Calculation item	Kalkulationsartikel
STG	Stortgoed	Bulk item	Schüttgut
PLA	Prijslijn artikel	Price line items	Preislinienartikel
GEB	Vergoeding	Fee	Gebühr

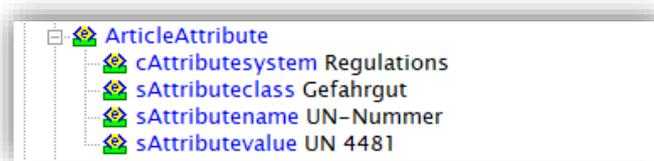
Note: Country-specific data fields need to be activated through *System > Configuration > Countries*.



9 Additional Regulation tags

Additional regulation tags should be filled out when applicable. Some examples are:

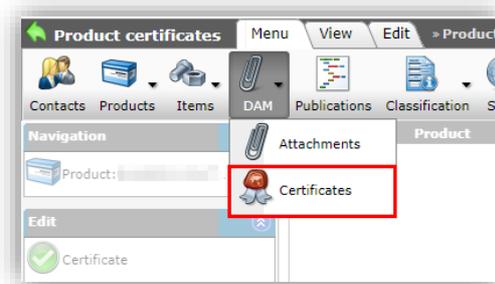
9.1 Gefahrgut / UN-Nummer



This attribute can be set by adding a *Certificate* to the Product of the type **UN - Hazardous materials identification number**. The type of materials should be further specified by filling out the correct UN number in the *Number* field:

General	
Type	UN - Hazardous materials identification number
Name	
Description	UN number 4481
Issuer	
Number	4481

Note: In Compano software version L03, Certificates are a new option, which can be added through the *DAM* menu-option:



9.2 Gefahrstoff



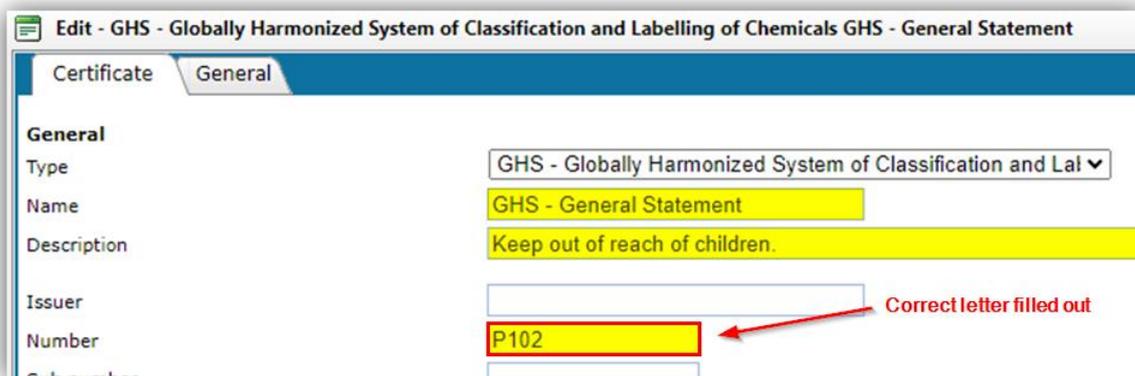
This attribute can be set by adding a *Certificate* to the Product of the type **GHS - Global Harmonized System of Classification and Labelling of Chemical**.

Note: An alternative certificate type, **DQR_GS**, is available for DQR-specific types of Gefahrstoffen; see paragraph [7.2.2 DQR_GS CERTIFICATE](#).

In DQR the certificate discern 3 different types:

- Sicherheitshinweis (P)
 - "General Statement" (P1)
 - Prevention Statement (P2)
 - Response Statement (P3)
 - Storage Statement (P4)
 - Disposal Statement (P5)
- Gefahrenhinweis (H)
 - "Physical Hazard" (H2)
 - "Health Hazard" (H3)
 - "Environmental Hazard" (H4)
- GHS-Gefahrenpiktogramm (G)
 - **GHS01** tm **GHS09**

By combining the correct *letter* (P, H or G) with the *certificate number*, all the tags from the DQR chapter can be filled out as desired; the *Name* of the certificate no longer needs to identify the type of the GHS-certificate:



Edit - GHS - Globally Harmonized System of Classification and Labelling of Chemicals GHS - General Statement

Certificate **General**

General

Type: GHS - Globally Harmonized System of Classification and Labelling of Chemicals

Name: GHS - General Statement

Description: Keep out of reach of children.

Issuer: [Empty]

Number: P102

Sub number: [Empty]

Correct letter filled out

9.3 Verwendungshinweis

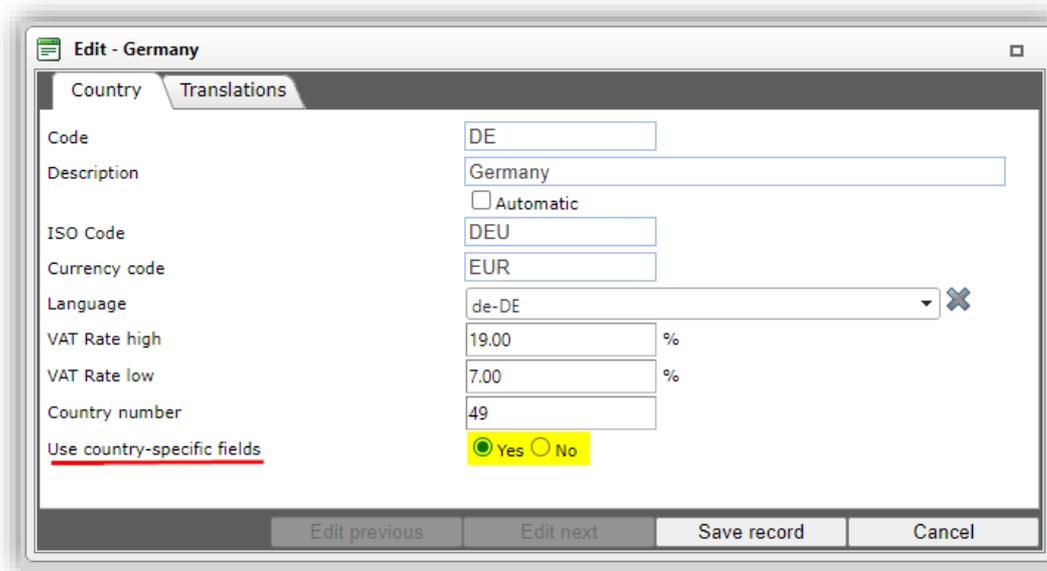
The DQR-specific data field **Verwendungshinweis**, is available as country-specific field for country Germany:

Usage note (Verwendungshinweis)

The instructions for use provide information on processing techniques that deviate from the standard (e.g. reference to special tools). This type of text is primarily aimed at the user groups of wholesalers and specialist trades.

To enable country-specific fields for Germany:

1. Through the Menu, go to *System > Configuration > Countries*.
2. Select the country **Germany** and click on Edit:



Edit - Germany

Country **Translations**

Code: DE

Description: Germany

ISO Code: DEU

Currency code: EUR

Language: de-DE

VAT Rate high: 19.00 %

VAT Rate low: 7.00 %

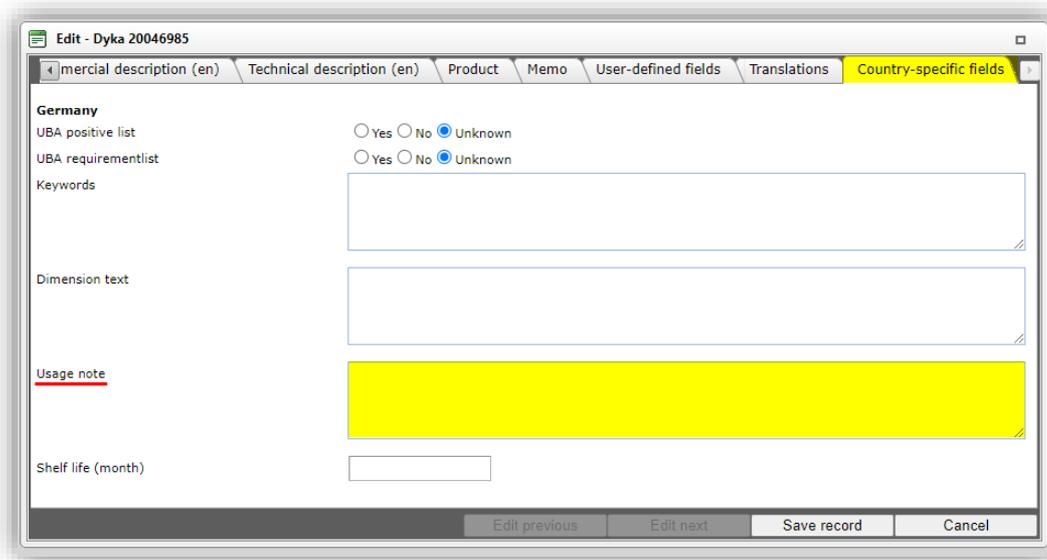
Country number: 49

Use country-specific fields: Yes No

Edit previous Edit next Save record Cancel

- a. Use country-specific fields: Set this option to **Yes**.
3. Save the record.

Next, for each *Item* in the Compano application, the field *Usage note* (*Verwendungshinweis*) is now available on the Country-specific fields tab:



9.4 Item <> Product link

Within PIM and within the Dutch and Belgian data pools there is a clear distinction between (trade) item information and product information. For the BMEcat ETIM Guideline, as well as for the DQR format (OpenData/ ARGE/ SHK) this distinction is much less clear.

To facilitate a well-defined DQR export, the Compano application combines item and product information, and thus *each item should be linked to a product!*

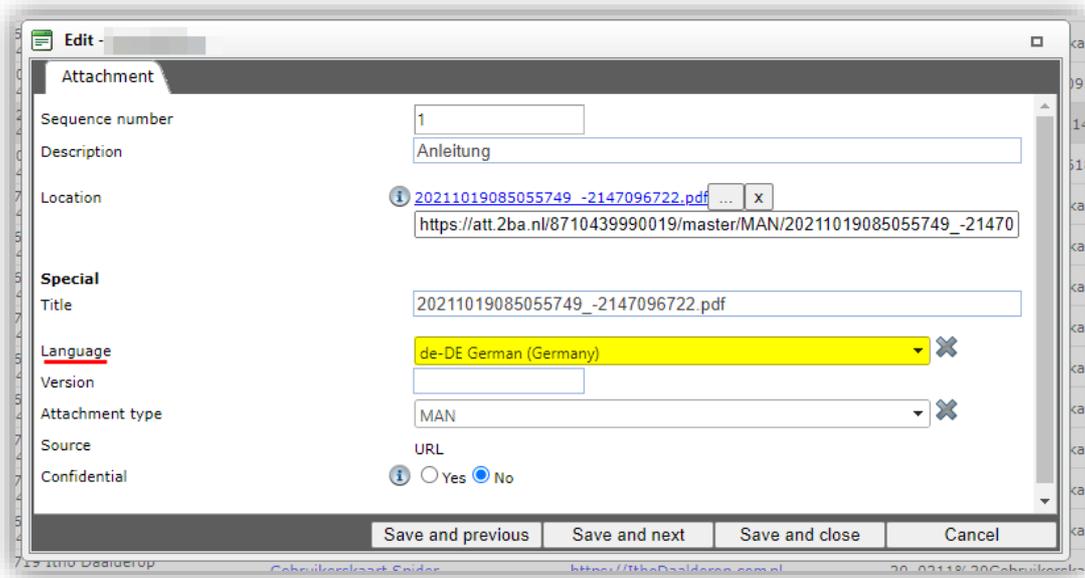
9.5 Special characters

The DQR- guideline—and this is true for all data exchanges in the German market—has strict rules for the use of *special characters* in the various descriptions. Please make sure the German descriptions follow these rules. For example, the characters [®] or [™] are *not* allowed in the (German) descriptions.

9.6 Attachments

Attachments are any kind of file associated with a product, item, product group or item group. These files include images, drawings, videos, manuals, deeplinks and more. For more information on Attachments, please see the *Manual Attachments & Certificates* which is available on the [Compano Help website](#).

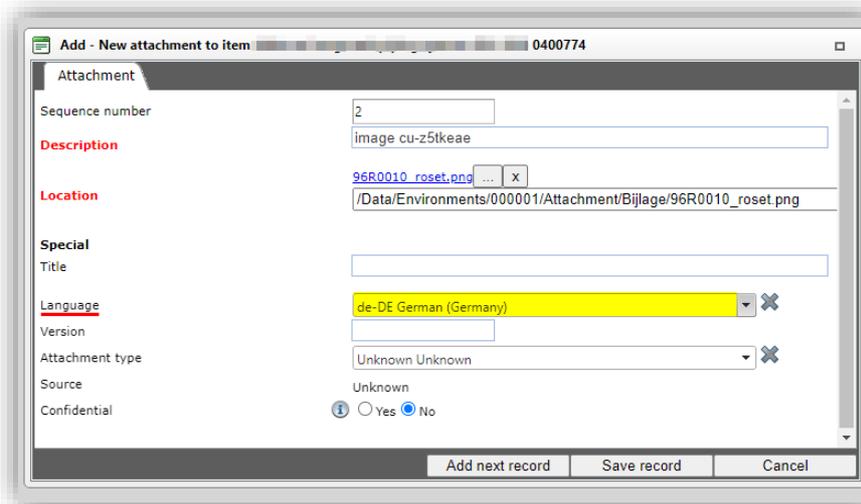
Note: Documents that are added as attachment on Products or Product Groups will be exported in DQR when the attachment is marked with German language:



This (on purpose) limits the number of documents exported in DQR. Other attachments are mapped to DQR Document types depending upon COS attachment types.

9.6.1 Attachment inheritance

Within COS PIM attachments can be added at the Item, Product, Item Group or Product Group level. This means that Items can inherit attachments from any of these levels. For DQR exports, all attachments are considered for export as long as they are *language neutral* or have *German* set as their language:



9.6.2 Multiple similar attachments

When for an item multiple attachments point to the same file, for instance an image attached at the product group level is the same as the image added at the item level, the attachment will be exported *only once*.

9.6.3 Attachment naming

Attached documents and images often tend to have fancy, long names, usually necessary for product websites or -shops. For DQR exports the naming of attachments has to be much more conventional and should, for instance, *not contain spaces*. Also, filenames *cannot be longer than 25 characters* in total. Traditionally, the naming of images is quite strict, so to prevent any problems with your export, please consider the correct (file)naming of your attached documents and images.

9.6.4 Dimensioned/undimensioned

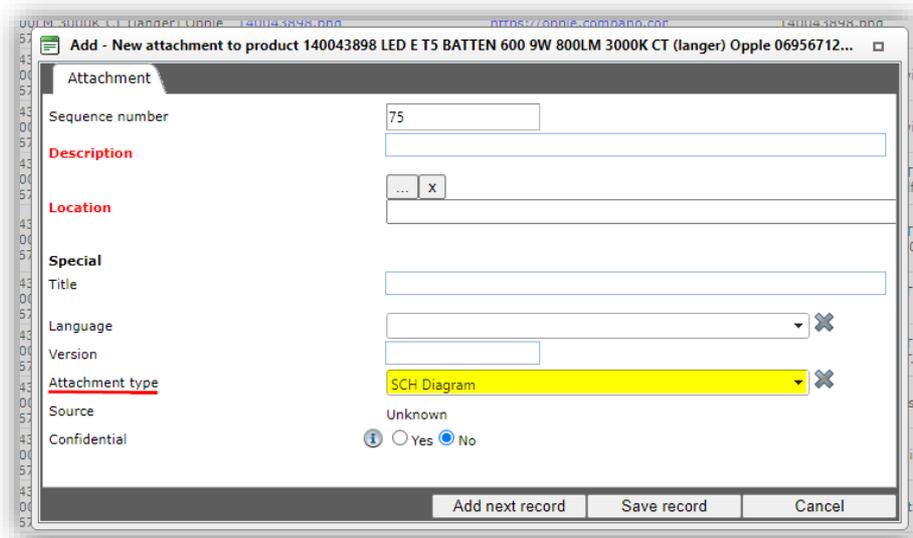
DQR makes a distinction between two types of diagrams (drawings, schemes):

- Dimensioned: Includes measurements and gets **cPictureType=V_**
- Undimensioned: No measurements in file and gets **cPictureType=U_**

To correctly add diagram attachments, please follow this procedure:

Undimensioned diagram

An undimensioned diagram can be added as an attachment of type **SCH - Diagram**:



In DQR this will be exported as an attachment of **cPictureType=V_**

Dimensioned diagram

For a correct export in DQR, a dimensioned diagram should be added as an attachment of type **MD12**. However, this Attachment Type must be added manually to COS. For an explanation on how to add Attachment Types, please see the *Manual Attachments & Certificates*, paragraph 6.2. This manual is available from the [Compano Help website](http://www.compano.com).

Line drawing

An undimensional line drawing can be added as attachment type MD64. Note that this Attachment Type also needs to be added manually (see previous paragraph).

In DQR this will be exported as an attachment of **cPictureType=U_**

9.7 Certificates

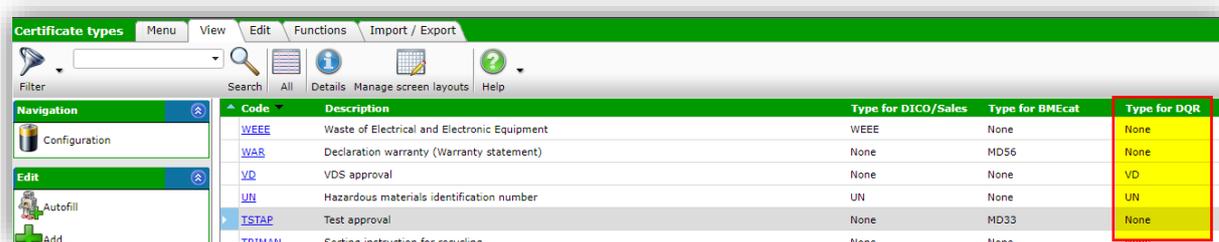
Adding Certificates in COS to Products can lead to DQR export tags for “Regulations” and/or “Documents”.

A COS certificate type can have a “Type for DQR” filled out, for instance DQR_GG or DQR_GS. In this case:

- “Regulation” tags are filled out in the DQR export file; see chapters [7 REGULATIONS](#) and [9 ADDITIONAL REGULATION TAGS](#) for a further explanation.
- Add documents to the DQR export file, when the Certificate has an attachment.

Note:

How certain types of Certificates are exported in DQR, can be managed through the settings in *Configuration > Certificates types*.



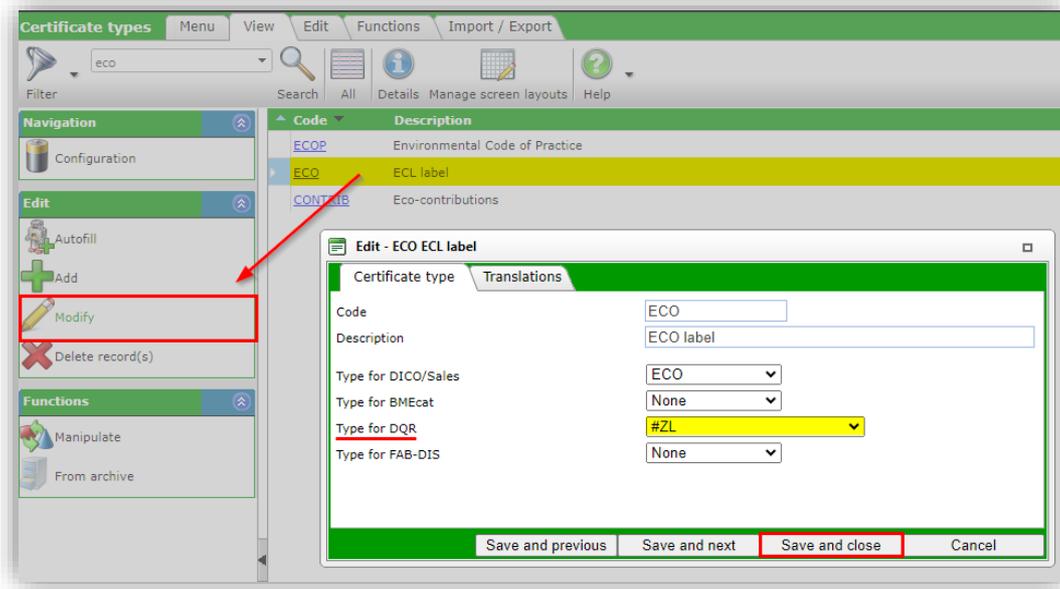
Code	Description	Type for DICO/Sales	Type for BMEcat	Type for DQR
WEEE	Waste of Electrical and Electronic Equipment	WEEE	None	None
WAS	Declaration warranty (Warranty statement)	None	MD56	None
VD	VDS approval	None	None	VD
UN	Hazardous materials identification number	UN	None	UN
TESTAP	Test approval	None	MD33	None
TRUMAN	Service instruction for recycling	None	None	None

Note: If the “Type for DQR” is set to **None** it will be disregarded for export.

Example

By default, an ECO-certificate *not* exported in DQR. Should you wish to export an ECO-related certificate with an attached *German* document, this can be accomplished by exporting that document as an **ZL** (Zulassung) certificate type:

- Make sure to set the language of the attached document to: German (**de**, or **de-DE**).
 - Modify the ECO certificate type for DQR to **ZL**:
1. Through the Menu, go to *System > Configuration > Certificate types*.
 2. Select the ECO certificate type and, under Edit, click on Modify.
 3. Set the Certificate type for DQR to: **ZL**.



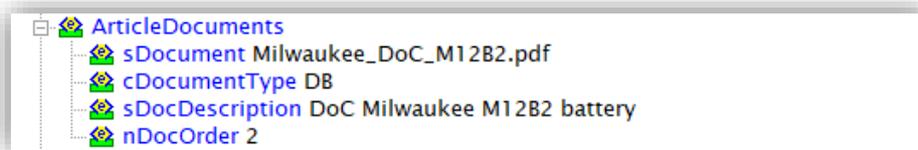
Some certificates will be handled by DQR as follows:

9.7.1 WEEE

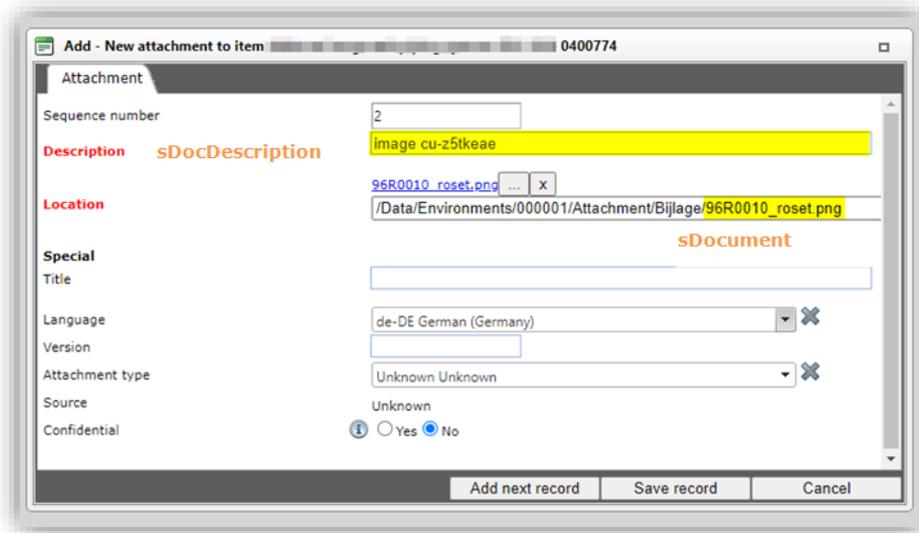
A WEEE certificate added to the product will lead to the WEEE number being exported in the DQR format. The WEEE number of a WEEE certificate is always exported and will overwrite any number provided through the export settings; also see chapter [3. SETTINGS ASSORTMENT/SUPPLIER LEVEL](#).

9.8 ArticleDocuments

Any attachment with the document language set to *German* will get tags like this:



Where **sDocument** is derived from the *filename* of the attachment, and the **sDocDescription** from the attachment *Description*.



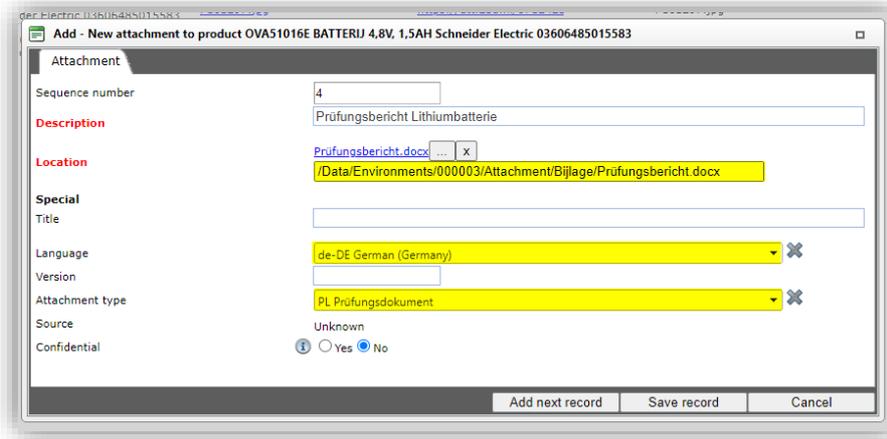
When combined with self-defined Attachment Types, this is a powerful method to add any DQR Document Type:

1. Add a new Attachment Type with the correct 2-letter code (see table below).
2. Add the document as an attachment of the new type and *make sure* to set the language of the attachment to German.

	Beschreibung
VM	Montagevideo
VT	Tutorial
EP	Einzelprospekt
BS	Brandschutz
EX	EX-Schutz
KS	Korrosionsschutz
CE	CE-Konformitätserklärung
VD	VDS-Zulassung
SS	Schallschutznachweis
PL	Prüfreport Lithiumbatterien

Example

To add a *Prüfungsbericht Lithiumbatterie*, first create an attachment type **PL**. Next, add the correct document as an attachment of this type:



Note: Not all documents need to be added this way, the German safety document (GG) can be added as Certificate of type **Safety data sheet (DQR)**. The corresponding DQR Document Type: **GG**, will be exported (see also the next paragraph).

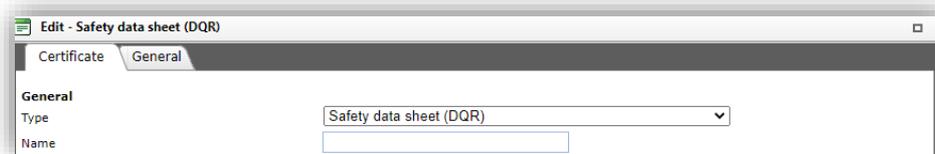
9.9 ArticleAccessories

To add *Eichgebühren* (calibration fees) to an Item, an Accessory of type **Eichgebühr** needs to be added to the Item. The following tag will be included on export to DQR 7, 8 or 9:

```
<ArticleAttribute>
  <cAttributesystem>Gebühren</cAttributesystem>
  <sAttributename>Eichgebühren</sAttributename>
  <sAttributevalue>4722</sAttributevalue>
</ArticleAttribute>
```

9.10 Safety certificate descriptions

For DQR a separate *safety certificate* export has been prepared: *Safety data sheet (DQR)*



This certificate will be exported as a **GG Sicherheitsblatt**. Add to this certificate the relevant attachment (document) with language set to *German* and with a relevant Description:

```
<ArticleDocuments>
  <sDocument>SFGG_Novopress.pdf</sDocument>
  <cDocumentType>GG</cDocumentType>
  <sDocDescription>GG Sicherheitsdatenblatt Novopress</sDocDescription>
  <nDocOrder>5</nDocOrder>
</ArticleDocuments>
```

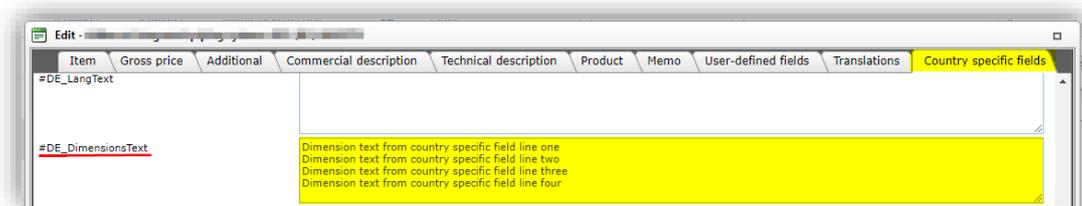
Note: If you added the same document as a regular attachment (which would lead to a **DB DocumentType**) as well as a GG Sicherheitsblatt certificate, only the last one will be used in the export.



Important: When using other export formats, for instance BMEcat or DICO/SALES, remember to (also) add your safety data sheets as certificates of type: **SDS**.

9.11 Dimensionstexte

If you need to fill in **Dimensionstexte**, you can do so at the Item level, in the German country-specific field *DimensionsText*.



Important: Refrain from using formatting and preferably use *less than 40 characters per line*. Should you use more characters, the text will be split up in multiple lines of 40 characters each.

Note: Country-specific fields are *not* available by default; please contact your Compano consultant to have this set up.

10 DQR [mapping] documentation

In addition to this manual, also consult:

- The Excel document *Mapping COS DQR .xlsx*. This document provides mapping information from COS PIM version L03 for the DQR export format.
- The PDF-documentation as can be found at Opendata or SHK/ARGE website should be known to the users of this format. This is the basic documentation which describes the DQR guideline. For further information on DQR, please check the information available at the websites of [SHK/ARGE](#) and [OpenData](#).