Transfer Material Attributes (Material Type) from R/3 to SAP GRC Global Trade Services (GTS)

Applies to:
This article and examples applies to ECC 6 and Global Trade System - SLL – 7.0 and 7.1 Versions. For more information, visit the Governance, Risk, and Compliance homepage.

Summary
We can transfer materials from the feeder system (R/3) to SAP GRC Global Trade Services (SAP GRC GTS). During the regular materials transfer, the system automatically transfers a set of material attributes, such as: Material number, Material description, Quantities and units, Prices, Short texts, Base unit of measure and Feeder system. SAP GRC GTS receives these attributes and saves them as customs product characteristics. However, if you need additional product characteristics as selection criteria or in the display of customs products, you can use the generic fields provided by SAP GRC GTS. We can transfer this additional attribute (This article will show you how to transfer the material type) to SAP GRC GTS and use it as a selection criterion in product classification. This simplifies product maintenance in SAP GRC GTS, enabling you to use the existing information from your feeder system.

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Author Bio
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GTS System Settings:

Process Flow:

SAP GRC Global Trade Services provides you with generic fields that you can use for additional product characteristics in the display and selection screens. To use these generic fields, you need to identify which additional product characteristics you want to transfer and where you want to store the additional data.

We can define up to 30 different generic fields (five with each field length) for the values of the product characteristics. SAP GRC GTS provides five different fields for each of the following field lengths:

- Field length 01
- Field length 02
- Field length 05
- Field length 10
- Field length 20
- Field length 40

Note: This article explains how to configure and activate the Material Type transfer. For Material transfer we use the Field Length 05. If you want to use any other Product characteristics needs to transfer to GTS, and then use the relevant Field Length.

SPRO → SAP Global trade Services → General Settings → Customs Products

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Define Product Characteristics from the Feeder System:

1. Enter a name for the field in SAP GRC GTS under Attribute and enter a short description of the field, which the system displays on the selection overview screens, under Description.

2. Decide whether or not the system should perform checks to see if the values for product characteristic fields exist in the system. You can choose from the following values in the dropdown list:
   a. Existence Check (Against Value Table)
      If you maintained the values "_" and "x" in SAP GRC GTS for a specific field, but the transfer data contain the values "A", "B", and "C" for the exact same field, the system issues an error message and does not transfer the data.
   b. Existence Check and Automated Supplementation (Value Table)
      If you maintained the values "_" and "x" in SAP GRC GTS for a specific field, but the transfer data contain the values "A", "B", and "C" for the exact same field, the system adds the unknown values as separate entries to the value table in SAP GRC GTS.
   c. No Existence Check (Against Value Table)
      The system does not perform any check against the value table in SAP GRC GTS and therefore does not add any entries to the value table. Excluding certain product characteristics from existence checks against value tables is particularly

Save the Entry

Change View "Definition of Characteristics from Feeder System":

Assign Field Attributes to Product Characteristics:

1. Select the field length under Field Length Attr. and the Field Identification in the database table from the dropdown list to uniquely identify a field in SAP GRC GTS where you want to store specific material attributes from the feeder system as product characteristics in SAP GRC GTS.

2. In Attr. Feeder Syst., select the name of the field in the feeder system that contains the material attribute you want to provide as a product characteristic in SAP GRC GTS.

3. The system displays the description of the field for the material attribute in the feeder system automatically.
Save your entries.

**Change View "Control for Generic Product Attributes: Attribute Assignment"**

| Field Length | Length: 05 CHAR |
| Field Identification | Identification: A |

**Control for Generic Product Attributes: Attribute Assignment**

| Char in Feeder Sys. | ZMAT_TYPE |
| Description | Material Type |

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**Change View "Control for Generic Product Attributes: Attribute Assignment"**

<table>
<thead>
<tr>
<th>Field Lgh</th>
<th>Field Identification</th>
<th>Feeder System Char.</th>
<th>Description</th>
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<tr>
<td>Length: 05 CHAR</td>
<td>Identification: A</td>
<td>ZMAT_TYPE</td>
<td>Material Type</td>
</tr>
</tbody>
</table>

**Defining Values for Product Characteristics:**

SPRO → SAP Global trade Services → General Settings → Customs Products → Defining Values for Product Characteristics with length 05

1. Select New Entries.
2. In the Attribute FS field, use the value help to select the product characteristic for which you want to define the values.
3. Enter the value and a description for the product characteristic.
4. Choose Next Entry to additional further values for the same product characteristic.
5. Repeat the procedure as necessary if you want more records.
Transfer Material Attributes (Material Type) from R/3 to SAP GRC Global Trade Services (GTS)

R/3 System - User Exit Code:
SLLLEG04 user exit is available to enable you to control which material master data you transfer from your feeder system to SAP GTS

Activate the User Exit:
Go to Transaction code CMOD, Enter the Project Name (Should start with Z or Y) and click on Create button
Click on the Enhancement assignment button and enter the enfacemnt SLLLEG04
Now, Press F3 or click on Back button, Now the CMOD transaction initial screen will appear with your project name, Here Click on the activate button.

Here, click on the Change button, and then Click on the Components button
Double click on the User exit EXIT_SAPLSSL_LEG_PRR3_004, it will take you to the Function Module screen.

Logic:

```plaintext
FUNCTION EXIT_SAPLSSL_LEG_PRR3_004.
  **
  ***"Lokale Schnittstelle:
  ** IMPORTING
  **   REFERENCE(IS_MATERIAL_TABLES) TYPE SLLR3_MATERIAL_OBJ_S
  **   CHANGING
  **   VALUE(CS_API6850) TYPE SLLR3_API6850_OBJ_S OPTIONAL
  **

  INCLUDE ZXSLLLLEGPRR3U06.

ENDFUNCTION.
```

Double click on the Include program ZXSLLLLEGPRR3U06, and write the below logic
Save and Activate the include program.

Up to this point, we completed the GTS configuration and the R/3 User exit activation including the ABAP code.
Testing

In R/3 System:
From R/3 initial Screen. Enter the transaction code /n/SAPSLL/MENU_LEGALR3

Click on the Initial Transfer of Master Data Tab,
In this screen click on the "Transfer material Masters" button,

**Initial Transfer of Material Masters to SAP GTS**

In this screen, enter the Material Number and press F8 or click on Execute button,
Of 1 selected material(s), 1 were processed successfully.
In GTS System:
Now go to GTS system, from the initial Screen. Enter the transaction code /n/SAPSLL/MENU_LEGAL

SAP Global Trade Services

SAP Compliance Management
- Sanctioned Party List Screening
- Legal Control - Import
- Legal Control - Export
- Classification/Master Data

SAP Customs Management
- Customs Processing - Import/Export
- Transit/Presentation
- Classification
- Master Data

SAP Risk Management
- Preference Processing
- Preference Processing - Master Data
- Restitution
- Restitution - Master Data
- Letter of Credit Processing

SAP Electronic Compliance Reporting
- Intrastat
- Commodity Codes / Classification
- Master Data

System Administration
- Archiving
- System Monitoring

In SAP Compliance Management tab, Click on Classification/master data
In the 'Import view for Customs Product', Click display on 'Maintain products', In the maintain product screen, enter the Logical system and the Product number and press F8 or click on execute button.

**Display Products**

- Logical System Group: LSGROUP1
- Internal Product No.: 000000000000000084
Before the above configuration, the ‘Addtl Data’ tab will not appear, we done the configuration for Material Type, which is why this extra tab is appearing now. In this screen, all custom fields for product will appear.

Click on the ‘Addtl Data’ tab

This will appear not only in the ‘Additional data in the Product master’ but also added to lot of standard selections screens of some functionality to reduce the number of hits or get the proper data.

For Example, In the Display Product screen, we will get this Material type field in the bottom of the selection screen
In the Risk Management, we will get this Material type field for a lot of transaction codes on the selection screen.

For example, click on the Preference processing – Master data → Click on Display Procurement Indicator for Product,
In the same way, we can configure 30 custom fields (5 with each field length) for Material Attributes which are not available in the GTS standard system.
Related Content

http://help.sap.com/saphelp_gts71/helpdata/en/df/1d354036052c22e10000000a1550b0/content.htm

For more information, visit the Governance, Risk, and Compliance homepage.
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