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| Master Data Script  SAP S/4HANA - 18-09-20 | public |
| Create Product Master of Type "Packaging" (3Y1) |

Table of Contents

[1 Purpose 2](#_Toc51421709)

[2 Prerequisites 3](#_Toc51421710)

[2.1 System Access 3](#_Toc51421711)

[2.2 Roles 3](#_Toc51421712)

[2.3 Required Organizational Units 3](#_Toc51421713)

[2.4 Mandatory and Optional Master Data 4](#_Toc51421714)

[2.5 Main Parameters for Data Creation 4](#_Toc51421715)

[2.5.1 Material Type and Number Ranges 4](#_Toc51421716)

[2.5.2 Industry Sector 5](#_Toc51421717)

[3 Overview Table 6](#_Toc51421718)

[4 Procedures 7](#_Toc51421719)

[4.1 Create Material Master Data - Basic View 7](#_Toc51421720)

[4.2 Create Material Master Data - Sales View 10](#_Toc51421721)

[4.3 Update Material Master Data - WM View 12](#_Toc51421722)

[5 Appendix 15](#_Toc51421723)

# Purpose

This Master Data Script provides procedures to create packaging material/product master used by the Scope Items of SAP S/4HANA Cloud Warehouse Management.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori Launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |
| --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) |
| Master Data Specialist - Product Data | SAP\_BR\_PRODMASTER\_SPECIALIST | Product | SAP\_BR\_PRODMASTER\_SPECIALIST |

## Required Organizational Units

Some segments of master data are dependent on the organizational units of the company, General (Central) Data does not depend on an organizational unit or the company code. The following table gives an overview of these different data segments and their relevant organizational units:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Segment | Depends On | Field Examples | Comments | Organizational Unit to be Used |
| Basic Data | Independent from organizational units | Base Unit of Measure  Material Group and so on. |  | n/a |
| Sales Data | Independent from organizational units | Transp. Group, Packaging Mat. Type,  Allowed pkg weight,  Allowed pkg volume, and so on. |  | n/a |
| WM Data | Independent from organizational units | Handling Unit Type  Standard HU Type |  | n/a |

## Mandatory and Optional Master Data

Master data records may refer to other master data. The following table gives an overview of optional and mandatory master data objects to be used in a Packagingmaster data record.

|  |  |  |  |
| --- | --- | --- | --- |
| Master Data Object | Used in Data Segment | Mandatory / Optional | Comments |
| Base Unit of Measure | Basic Data | Mandatory |  |

## Main Parameters for Data Creation

In this section, we describe some basic parameters that influence the behavior of a master record and are always required to create a packaging master data record:

### Material Type and Number Ranges

With the help of material types, the system determines which data segments (views) can be maintained or which fields are mandatory or optional. Based on material types, the system also determines the number ranges for materials. In the SAP standard content, all material types use the same number range definition.

|  |  |  |
| --- | --- | --- |
| Number Range | Range / Business Partner ID | Comments |
| External alpha-numeric | A - ZZZZZZZZ | This range must start with a character. Overall the ID must not be longer than 40 characters. |
| Internal numeric | 1–99999999 | This range is used if the system shall automatically assign a numeric number to a material. |

### Industry Sector

The standard content only provides one industry sector M.

# Overview Table

This master record consists of several segments provided in the table below.

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction / App | Expected Results |
| Create Material Master Data - Basic View | Master Data Specialist - Product Data | Create Material (MM01)/ Manage Product Master Data (F1602) | Material Master Data - Basic Data is created. |
| Create Material Master Data - Sales View | Master Data Specialist - Product Data | Create Material (MM01)/ Manage Product Master Data (F1602) | Material Master Data - Sales Data is created. |
| Update Material Master Data - WM View | Master Data Specialist - Product Data | Change Material (MM02)/ Manage Product Master Data (F1602) | Material Master Data - WM Data is created. |

# Procedures

This section describes procedures for each segment or process step that is part of this master record.

## Create Material Master Data - Basic View

Purpose

The following procedure provides instructions for creating material master data. Apps available to you are dependent upon your assigned role, so two options are provided.

Procedure: Option 1 - Create Material

Use the following procedure when your user access presents you with the Create Material app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad appears. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (Initial Screen) appears. |  |
| 3 | Enter Material Basic Data | On the Create Material (Initial screen), make the following entries:   * Material: <Material number> * Material type: Packaging | The Select View(s) screen appears. |  |
| 4 | Choose Select View(s) | Choose Select View(s). | The Select View(s) dialog box appears. |  |
| 5 | Choose Views | In Select View(s) dialog box, select the Basic Data 1 checkbox and the Basic Data 2 checkbox. Choose Continue (Enter). | The Create Material <your material number> (Packaging), screen appears |  |
| 6 | Enter Basic Data | On the Create Material <your material number> (Packaging) screen, make the following entries:  Descr.: <your material description> |  |  |
| 7 | Enter Basic Data | On the Basic data 1 tab in the General Data section, make the following entries:  Base Unit of Measure: <UoM> for example, PC  GenItemCatGroup: VERP |  |  |
| 7 | Enter Basic Data | In the Dimensions/EANs section, make the following entries:  Gross Weight: for example, 20  Unit of Weight: for example, KG  Net Weight: for example, 15  Volume: for example, 138  Volume Unit: for example, CD3  Choose Enter. | Once the entry is completed, move to the next tab, Basic Data 2. |  |
| 8 | Complete Basic Data | No entries are required for the Basic Data 2 view. |  |  |
| 9 | Save Your Data | Choose Save. | The basic data is created and saved. |  |

Procedure: Option 2 - Manage Product Master Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad appears. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). | The Manage Product Master Data (F1602) screen displays. |  |
| 3 | Choose Create New Product Master | On the Manage Product Master Data (F1602) screen, choose the Create button. | The Create Master Data Record screen is displayed. |  |
| 4 | Enter Data for Mandatory Fields | On the Create Master Data Record screen, make the following entries:  Product Number: for example, Z …  You either enter any external alphanumeric ID, and that ID must start with an alphanumeric character, or if you provide no entry, the system automatically assigns a numeric ID.  For more information about the product number, see the previous Material Type and Number Ranges section.  Product Type: VERP  Base Unit: for example, PC  Description: <any description>  Choose OK. |  |  |
| 5 | Enter Basic Data | On the General Information tab page, make the following entry:  In Basic Data section:  Division: for example, 00 Choose See More and make the following entry: General Item Category Group: VERP |  |  |
| 6 | Enter Descriptions Data | In the Descriptions section, choose + (Add) and make the following entries:  Language: for example, DE Product Description: <your description> |  |  |
| 7 | Choose Base Unit of Measure | In the Base Units of Measure section, choose See More to enter the additional data. |  |  |
| 8 | Enter other Measure Data | In the Weight section, make the following entries:  Gross Weight: for example, 20 KG  Net Weight: for example, 15 KG  In the Volume section, make the following entry: Volume: for example,138 CD3 |  |  |
| 9 | Save Your Data | Choose Save. | A system message displays that the object is saved. |  |

## Create Material Master Data - Sales View

Purpose

The following procedure provides instructions for creating material master data. Apps available to you are dependent upon your assigned role, so two options are provided.

Prerequisite

You must complete the previous section, Creating Material Master Data - Basic Data, before you proceed with this section.

Begin the procedure after you have saved the Basic Data entries, as described in the previous procedure.

Procedure: Option 1 - Create Material

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Access the SAP Fiori App | Choose Create Material (MM01). | Create Material (Initial view) displays. |  |
| 2 | Enter Material Basic Data | On the Create Material (Initial view) screen make the following entries:  Material: <Material number>  Industry sector: M  Note If the Industry Sector input field is hidden, no entry is required. When the industry sector is not offered for entry, the field is populated with in the dark.  Material type: Packaging  Click Select View(s). | After completing the entries, a new window opens, Select View(s). |  |
| 3 | Choose Views | On the Select View(s) screen, select Sales: General/Plant Data and choose Continue.  Note For Poland only: Select also Foreign Trade - Export Data in order to enter the PKWiU classification number. | A window with Organizational Levels displays. |  |
| 4 | Choose Continue | On the Organizational Levels screen, in the Organizational level section, do not enter data for plant, sales organization and distribution channel  Choose Continue.  The following information appears at the bottom of the view: The material already exists and will be extended.  p  For Poland only: If you have selected Foreign Trade - Export Data, select Plant. |  |  |
| 5 | Enter Sales Data | On the Sales: General/Plant tab, in the Shipping data (times in days) section, make the following entry:  Transp. Grp: 0001 |  |  |
| 6 | Enter Packaging material data | In the Packaging material data section, make the following entries:  Packaging Mat. Type  Allowed pkg weight  Excess wt tolerance  Allowed pkg volume  Excess volume tol.  Closed |  |  |
| 7 | For Poland only Enter Sales Data | In the International Trade: Export section, enter the following data:  • Control code: for example, 26.40.20.0 | The PKWiU code for Poland is maintained. |  |
| 8 | Save your data | Choose Save. | Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). | The Manage Product Master Data (F1602) app opens and various search fields are displayed. |  |
| 2 | Search and open the Product for edit | Search the previously created Product by entering the Product Number in the Product search field.  Select the Product from the list that guides you to the Product view.  Choose Edit. | The product is displayed in edit mode (fields are ready for your input). |  |
| 3 | Choose Sales | On the Product screen, choose Sales .  make following entries:  Transportation Group: 0001  Allowed Packing Weight:  Allowed Packing Volume: |  |  |
| 4 | Save Your Data | Choose Save. | A system message appears that the object is saved. |  |

## Update Material Master Data - WM View

Purpose

The following procedure provides instructions for creating material master data. Apps available to you are dependent upon your assigned role, so two options are provided.

Prerequisite

You must complete the previous procedure, Creating Material (Product) Master Data - Basic Data, before you proceed with this section.

Begin the procedure after you have saved the basic data entries, as described in the previous procedure.

Procedure: Option 1 - Create Material

Use the following procedure when your user access presents you with the Change Material (MM02) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Access the SAP Fiori App | Open Change Material (MM02). | Create Material (Initial Screen) opens. |  |
| 2 | Enter Material Basic Data | On the Change Material(Initial Screen) screen, make the following entries:  Material: <Material number>  Click on Select View(s). | Select View(s) opens. |  |
| 3 | Choose Views | On the Select View(s) screen, select the following views:   * WM Execution * WM Packaging   Choose Continue. |  |  |
| 4 | Enter WM Execution Data | On the WM Execution tab, make the following entries:  Standard HU Type: for example, SP1 |  |  |
| 5 | Enter WM Packaging Data | On the WM Packaging tab, make the following entries:  Handling Unit Type: for example, SP1 |  |  |
| 6 | Save Your Data | Choose Save. |  |  |

Procedure: Option 2 - Manage Product Master Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). | The Manage Product Master Data (F1602) app opens and various search fields are displayed. |  |
| 2 | Search and Open the Product for Edit | Search the previously created Product by entering the Product Number in the Product search field.  Select the Product from the list that guides you to the Product view.  Choose Edit. | The product is displayed in edit mode (fields are ready for your input). |  |
| 3 | Choose Execution | In the Product view, choose the Warehouse Management tab. |  |  |
| 4 | Enter Execution Data | In the Execution section, make the following entries:  Standard Handling Unit Type: for example, SP1 |  |  |
| 5 | Enter Packaging Data | In the Packaging section, make following entries:  Handling Unit Type: for example, SP1 |  |  |
| 6 | Save Your Data | Choose Save. | The system message indicates that the object is saved. |  |

# Appendix

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

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