|  |  |
| --- | --- |
|  |  |
| Master Data Script  SAP S/4HANA - 18-09-20 | public |
| Create Product Master of Type "Configurable Material" (2T7) |

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# Purpose

The material or product master contains information about all the physical materials that are procured, produced, stored and sold. It is also used to manage information about services e.g. for buying and selling services in hours.

The material master holds information such as unique material number, name, material type, unit of measure, descriptions, weight and dimensions. This material information is used and stored in transactions such as sales orders, deliveries, purchase orders and goods movements.

As all information for one material is stored centrally, material master information is organized into different views. For example, sales, storage, MRP, costing and accounting.

Some information in each material is specific to particular organizational units. For example, a sales description is specific to a sales unit (known as sales area), a MRP controller is specific to a specific site (known as a plant) or some information might be specific to a storage location.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## 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) | Log On |
| Master Data Specialist - Product Data | Product | SAP\_BR\_PRODMASTER\_SPECIALIST |  |  |

## Business Conditions

Before this Master Data Script can be tested, the following business condition must be met.

Note Scope Item 22T - Setup Configurable Model using Variant Configuration is a prerequisite for this Master Data Script.

## Required Organizational Units

Some segments of material 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 of organizational units | Material description (short text), Material number, Material Group, Base Unit of Measure and so on. | Basic Data exists only once for a material master data record. | n/a |
| Classification | Independent of organizational units | Class Type, Class and Class Values | Classification data exists for the class type for which the classification data is used. | n/a |
| Sales Data | Plant, Sales Org., Distribution Channel | Tax Data, Item Category Group, Transp. Group, Loading Group, Setup Time and so on. | Plant data can exist for every Plant ID of your enterprise structure for which the material master record is used. | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_  Sales Organization:  \_\_\_\_\_\_\_\_\_\_  Distribution Channel:  \_\_\_\_\_\_\_\_\_\_ |
| MRP/Planning Data (Plant Data) | Plant, Storage Location | MRP Type, MRP Controller, Lot Size, Planned delivery time and so on. | Plant data can exist for every Plant ID of your enterprise structure for which the material master record is used.  Storage location data (planning context) is optional based on the need to do storage location specific planning. | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_  Storage Location:  \_\_\_\_\_\_\_\_\_\_ |
| Work Scheduling | Plant | Production Supervisor and Production Schedule Profile | Plant data can exist for every enterprise structure for which the material master record is used. | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Storage Location Data | Plant, Storage Location | Number of GR slips, Max. Storage Period, Min. Rem. Shelf and so on. |  | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_  Storage Location:  \_\_\_\_\_\_\_\_\_\_ |
| Accounting Data (Valuation Data) | Valuation area (=Plant), Valuation type | Valuation Class, Per Unit Price, Price Control and so on. | Valuation area data can exist for every Plant ID of your enterprise structure for which the material master record is used. Every plant represents a valuation area (for example, different valuation price of a material in different plants) | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_  Valuation type:  \_\_\_\_\_\_\_\_\_\_ |
| Costing | Plant | Base unit of Measure, Profit Center, Costing lot size, Valuation class, Price control and Price unit. | Costing area data can exist for every Plant ID of your enterprise structure for which the material master record is used. | Plant:  \_\_\_\_\_\_\_\_\_\_\_\_ |

## Mandatory and Optional Master Data

Material master data records may refer to other master data. The following table provides an overview of optional and mandatory master data objects to be used in a material master data record.

|  |  |  |  |
| --- | --- | --- | --- |
| Master Data Object | Used in Data Segment | Mandatory / Optional | Comments |
| Profit Center |  | Mandatory | Assigning a Profit Center to a material (product) master is required for correct valuation processes. |

## Main Parameters for Data Creation

This section describes some basic parameters that influence the behavior of a master record and are always required to create a material 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 8 digits. |
| 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. Currently this is visible in the SAP GUI only.

# Overview Table

This scope item consists of several process steps that are listed in the following table:

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 Product Master Data - Basic Data](#unique_12) [page ] 9 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Basic Data is created. |
| [Create Product Master Data - Sales Data / Sales Tax Data](#unique_13) [page ] 12 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Sales Data (Sales Tax Data) is created. |
| [Create Product Master Data - Classification](#unique_14) [page ] 16 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Classification is created |
| [Create Product Master Data - MRP Planning Data / Plant Data](#unique_15) [page ] 18 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – MRP/Planning Data (Plant Data) is created. |
| [Create Product Master Data – Work Scheduling](#unique_16) [page ] 22 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Work Scheduling is created |
| [Create Product Master Data - Storage Location Data](#unique_17) [page ] 24 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Storage Location Data is created. |
| [Create Product Master Data - Accounting Data / Valuation Area Data](#unique_18) [page ] 27 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Accounting Data (Valuation Data) is created. |
| [Create Product Master Data – Costing](#unique_19) [page ] 32 | Master Data Specialist - Product Data | Create Material (MM01) | Material Master Data – Costing is created |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Create Product Master Data - Basic Data

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The following procedure provides instructions for creating product 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 (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | On the Create Material (Initial view), make the following entries:   * Material: CM-FL-V01 * 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: KMAT - Configurable materials | The Select View(s) view displays. |  |
| 4 | Choose Views | In the Select View(s) window, select Basic data 1 and Basic data 2 and choose Continue. | The Create Material (Configurable Materials) view displays. |  |
| 5 | Enter Basic Data | On the Create Material CM-FL-V01 (Configurable materials) view, on the Basic data 1 tab, enter the material description (short text).  For example: Forklift |  |  |
| 6 | Enter Basic Data | On the Basic data 1 tab, in the General Data section, make the following entries:  Base Unit of Measure: PC  Material Group: L004  GenItemCatGroup: 0002 |  |  |
| 7 | Enter Basic Data | In the Dimensions/EANs section, make the following entries:  Gross Weight: 3  Unit of Weight: KG  Net Weight: 2 | The tab Basic Data 2 displays. |  |
| 8 | Enter Basic Data | On the Basic Data 2 tab, you do not have to make any entries. | A new window Last data view reached opens with the message You are about to exit. Do you want to save your data for this material first? |  |
| 9 | Save Your Data | In the Last data view reached window, choose Yes. | The Create Material (Initial Screen) view displays.  The Basic Data is created and saved. |  |

Procedure: Option 2 - Manage Product Master Data

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). | The Manage Product Master Data (F1602) view opens in Edit Mode. |  |
| 3 | Choose Create New Product Master | In the Manage Product Master Data view, choose Create | Create Master Data Record displays. |  |
| 4 | Enter Data for Mandatory Fields | In the Create Master Data Record view, make the following entries:   * Product Number: for example, CM-FL-V01 …   either any external alphanumeric ID … (at least this needs to start with a character) or when no entry the system assigns a numeric ID automatically  For more information about Product Number, see the Material Type and Number Ranges section in Main Parameters for Data Creation   * Product Type: KMAT * Product Group: for example, L004 * Base Unit: for example, PC * Description: Forklift |  |  |
| 5 | Choose OK | In the Create Master Data Record view, choose OK. | Product View displays. |  |
| 6 | Enter Basic Data | In the Product > General Information > Basic Data view, make the following entries:   * Division: for example, 00 |  |  |
| 7 | Choose Descriptions | Go to Product > General Information > Descriptions . | The Descriptions view displays. |  |
| 8 | Choose Add (+) | In the Descriptions view, choose + (Add). | Some fields are already populated. |  |
| 9 | Enter Descriptions Data | In the Descriptions view make the following entries:   * Language: for example, English * Product Description: <your description> |  |  |
| 10 | Choose Base Unit of Measure | Go to Product > General Information > Base Unit of Measure . |  |  |
| 11 | Enter Base Unit of Measure Data | In the Weight view, make following entries:   * Weight Unit: for example, KG * Gross Weight: for example, 2 * Net Weight: for example, 1   Note If the Gross Weight, Weight Unit, or Net Weight fields do not display as input fields, choose See More in the right corner.. |  |  |
| 12 | Save Your Data | Choose Save. | System issue a notification that the object is saved. |  |

## Create Product Master Data - Sales Data / Sales Tax Data

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete the previous section, Create 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 Create Material app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | In the Create Material (Initial Screen), make the following entries:   * Material: : CM-FL-V01 * 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: : KMAT - Configurable materials | A new window displays the Select View(s) view. |  |
| 4 | Choose Views | In the Select View(s) window, select Sales: Sales Org. Data 1, Sales: Sales Org. Data 2 and Sales: General/Plant Data and choose Continue. | A new window displays the Organizational Levels. |  |
| 5 | Enter Organizational Levels Data | In the Organizational Levels view, in the Organizational level section, make following entries and choose Continue:   * Plant: for example, 1710 * Sales Org.: for example, 1710 * Distr. Channel: for example, 10 | A new window displays theCreate Material (Configurable Materials) view.  You get the following system message at the bottom of the view: The material already exists and will be extended. |  |
| 6 | Enter Sales Data | In the Create Material CM-FL-V01 (Configurable materials) view, under the Sales: sales org. 1 tab enter an appropriate value for the <Tax classification>  Usually this is value 1 for fully taxable. | The Sales: sales org. 2 tab displays.  The entered value indicates that the material is (usually) fully taxable. |  |
| 7 | Enter Sales Data | On the Sales: sales org 2 tab, in the Grouping terms section make the following entry:   * Item category group: 0002 * Matl statistics grp: 1 | You navigated to the next tab, Sales: General/Plant. |  |
| 8 | Enter Sales Data | On the Sales: General/Plant tab, in the General data section, enter the following data:   * Availability check: for example,SP |  |  |
| 9 | Enter Sales Data | In the Shipping data (times in days) section, enter the following data:   * Transp. Grp:for example, 0001 * Loading Grp: for example, 0001 |  |  |
| 10 | Enter Sales Data | In the General Plant parameters section, enter the following data:   * Profit Center: for example, YB110 or YB111 | A new window displays: Last data view reached with the message You are about to exit. Do you want to save your data for this material first?. |  |
| 11 | Save Your Data | In the Last data view reached window, choose Yes. | The Master Data - Product window displays.  Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). |  |  |
| 3 | Choose Edit | Choose Edit.  Note This step assumes you are continuing from the previous step and are already on the Manage Product Master Data tile. After you have saved your data from the previous section, the system is in Display Mode. To proceed, you must be in Edit Mode. | Edit Mode (fields are ready for your input). |  |
| 4 | Choose Distributions Chains | In the Product view, choose Distribution Chains. | The Distribution Chains view displays. |  |
| 5 | Choose Add (+) | In the Distribution Chains > Distribution Chains view, choose + (Add) | The Product Master - Distribution Chains view opens in Edit Mode. |  |
| 6 | Enter Distribution Chains Data | In the Product Master - Distribution Chains view make following entries:  GENERAL DATA - General Information  Sales Organization: <Sales org number> for example, 1710  Distribution Channel: for example, 10  Delivery Plant: <Plant number> for example, 1710  GROUPING TERMS   * Item Category Group: for example, 0002 * Accounting Assignment Group: for example, 03 Finished Products   SALES TAX   * Country: <country code> for example, DE * Tax Category: TTX1 * Tax Classification: Either 1 for material or 2 services   Tax Classification: for example 1 Full tax when using UTXJ tax condition for US.  Tax classification depends on the specific country/region requirements. Tax classification in the material master and customer master tables determine tax percentage inputs.  For Brazil only in the Tax Classification section, make the following entries:   * + Country: BR   + Tax Category: IBRX   + Tax Classification: Either 1 for material or 2 for services |  |  |
| For Brazil only | Enter Foreign Trade - Export Data (for Brazil only) | For Brazil, make the following entries:  In the Foreign Trade Data section: Control Code: Choose NCM  In the CFOP Material Category section:  Material Ctg. CFOP select the appropriate category:  0 - Material  1 - Electricity  2 - Communication  3 - Transportation  4 - Animals |  |  |
| 7 | Save Your Data | Choose Save. | The system issues a notification indicating the object is saved. |  |

## Create Product Master Data - Classification

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete the previous section, Create 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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | In the Create Material (Initial Screen), make the following entries:   * Material: CM-FL-V01 * 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: KMAT – Configurable materials | A new window displays the Select View(s) view. |  |
| 4 | Choose Views | In the Select View(s) window, select Classification and choose Continue. | A new window displays the Class Type (1) view |  |
| 5 | Enter Organizational Levels Data | In the Restrictions level section, select the following entries and choose Continue:   * Class type description: Variants * Type: 300 | * A new window displays the Classification view. |  |
| 6 | Enter Sales Data | In the Classification view, under the Assignments enter the following values under the Class column and choose Save.   * AVC\_CL\_ELECADD\_V01 * AVC\_CL\_REFCSTC\_V01 * AVC\_CL\_COMMON\_V01 | The Classification view window displays.  Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

Note The required fields are currently unavailable for this application. Use Option 1 (above)

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

## Create Product Master Data - MRP Planning Data / Plant Data

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete a previous procedure, Create 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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | On the Create Material (Initial Screen), make the following entries:   * Material: CM-FL-V01 * 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: KMAT - Configurable materials | The Select View(s) view displays. |  |
| 4 | Choose Views | In the Select View(s) window, select MRP1, MRP2, MRP3 and MRP4 and choose Continue. | The Organizational Levels view displays. |  |
| 5 | Enter Organizational Levels Data | On the Organizational Levels view, in the Organizational level section, make the following entries:   * Plant: <Plant code> for example 1710 * Storage Location: for example 171A | The Create Material (Configurable Materials) view displays.  You get the following system message at the bottom of the view: The material already exists and will be extended. |  |
| 6 | Enter MRP/Planning Data | On the Material (Configurable Materials) view, on the MRP 1 tab, in the General Data section, make the following entry:   * Base Unit of Measure: PC |  |  |
| 7 | Enter MRP/Planning Data | In the MRP procedure section, make the following entries:   * MRP Type: for example, PD * MRP Controller: for example, 001 |  |  |
| 8 | Enter MRP/Planning Data | In the Lot Sizing Procedure section, make the following entry:   * Lot Sizing Procedure: EX | The next tab MRP 2 displays. |  |
| 9 | Enter MRP/Planning Data | In the Create Material CM-FL-V01 (Configurable Material) view, on the MRP 2 tab, make entries based on your needs or at least populate mandatory fields with values, for example, In-house production time in days. | The next tab MRP 3 displays. |  |
| 10 | Enter MRP/Planning Data | In the Create Material (Configurable Materials) view, on the MRP 3 tab, in the Planning section, make the following entries:   * Strategy Group: for example, 25 * Consumption mode: for example, 2 |  |  |
| 11 | Enter MRP/Planning Data | In the Availability check section, make the following entries:   * Availability check: for example, SP * Tot. repl. Lead time: for example, 3 | The next tab MRP 4 displays. |  |
| 12 | Enter MRP/Planning Data | In the Create Material CM-FL-V01 (Configurable Material) view, on the MRP 4 tab, you do not have to make any entries. | A new window Last data view reached opens with the message You are about to exit. Do you want to save your data for this material first?. |  |
| 13 | Save | In the Last data view reached window, choose Yes. | The Master Data - Product view displays.  Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). |  |  |
| 3 | Choose Edit | Choose Edit  Note This step assumes you are continuing from the previous step and are already on the Manage Product Master Data tile. After you have saved your data from the previous section, the system is in Display Mode. To proceed, you must be in Edit Mode. | Edit Mode (fields are ready for your input). |  |
| 4 | Choose Plants Data | In the Product Master view, choose Plants | The Plants view displays. |  |
| 5 | Choose Add (+) | In the Plants view section, choose + (Add) | The Plant view opens in Edit Mode. |  |
| 6 | Enter Plants – General Information Data | In the Plant > General Data view, make following entries:   * Plant: <Plant number> for example, 1710 * Profit Center : for example, YB110 or YB111 * Loading Grp: for example, 0001 - Forklift |  |  |
| 7 | Choose Plants – MRP Data | In the Plant view, choose MRP Data | The MRP Data view displays. |  |
| 8 | Enter Plants – MRP Data | In the MRP Data view, choose MRP Data and make following entries:   * Availability Check: for example, SP * Planned Delivery Time: for example, 3 * Goods Receipt Processing Time: for example, 1 * MRP Type: For example, PD * MRP Controller: For example, 001 |  |  |
| 9 | Choose Plants – Lots-Size Data | In the MRP Data view, choose Lot-Size Data. | The Lot-Size Data view section displays. |  |
| 10 | Enter Plants – Lot-Size Data | In the Lot-Size Data view, make the following entry:   * Lot Sizing Procedure: for example EX |  |  |
| 11 | Choose Plants – Forecast Data | In the Product > PLANTS view, choose FORECASTING. | FORECASTING displays |  |
| 12 | Enter Plants - Forecast Data | In the FORECASTING view, make the following entry:   * Period Type: for example, F |  |  |
| 13 | Return to Main View | Choose the back arrow to return to Product Master. | The Product Master view displays. |  |
| 14 | Save Your Data | Choose Save. | System issue a notification that the object is saved. |  |

## Create Product Master Data – Work Scheduling

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete the previous section, Create 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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) screen displays. |  |
| 3 | Enter Material Basic Data | In the Create Material (Initial view), make the following entries:   * Material: CM-FL-V01 * 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: KMAT - Configurable materials | The Select View(s) view displays. |  |
| 4 | Choose Views | In the Select View(s) window, select Work Scheduling, and choose Continue. | The Organizational Levels view displays. |  |
| 5 | Enter Organizational Levels Data | In the Organizational Levels view make the following entry and choose Continue.  Plant: 1710 | A new window Change Material CM-FL-V01 (Configurable materials) displays. |  |
| 6 | Enter Work Scheduling Data | In the Change Material CM-FL-V01 (Configurable materials) window, under General Data enter the following entries and choose Save.   * Base unit of Measurement: PC * Prodn Supervisor: YB3 * Prod. Sched. Profile: YB0003 | A new window displays: Last data view reached with the message You are about to exit. Do you want to save your data for this material first? |  |
| 7 | Save Your Data | In the Last data view reached window, choose Yes. | The Master Data – Product window displays.  Your data is saved. |  |

Procedure: Option 2 – Manage Product Master Data

Note The required fields are currently unavailable for this application. Use Option 1 (above) and save your entries.

## Create Product Master Data - Storage Location Data

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete a previous procedure, Create 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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | On the Create Material (Initial view), make the following entries:   * Material: CM-FL-V01 * 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: KMAT - Configurable materials | The Select View(s) view displays. |  |
| 4 | Choose Views | In the Select View(s) window, select the following views and choose Continue:   * General Plant Data/Storage 1 * General Plant Data/Storage 2 | The Organizational Levels view displays. |  |
| 5 | Enter Organizational Levels Data | On the Organizational Levels view, in the Organizational level section, make following entries:   * Plant: for example, 1710 * Storage Location: for example, 171A | A new window opens, showing the Create Material (Configurable materials) view.  You get the following system message at the bottom of the view: The material already exists and will be extended. |  |
| 6 | Enter Storage Location Data | In the Create Material (Configurable materials) view, on the Plant data/stor. 1 tab, in the General Data section, make the following entry:   * Number of GR slips: for example, 1 | The next tab displays, Plant data/stor.2. |  |
| 7 | Confirm Entries | On the Plant data/stor. 2 tab, you do not have to make any entries. | A new window Last data view reached opens with the message You are about to exit. Do you want to save your data for this material first?. |  |
| 8 | Save | In the Last data view reached window, choose Yes. | The Master Data - Product window displays.  Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). |  |  |
| 3 | Choose Edit | Choose Edit  Note This step assumes you are continuing from the previous step and are already on the Manage Product Master Data tile. After you have saved your data from the previous section, the system is in Display Mode. To proceed, you must be in Edit Mode. | Edit Mode (fields are ready for your input). |  |
| 4 | Choose Plants Data | In the Product view, choose PLANTS.  Note If there is no plant data record, follow the steps in the previous section, Create Product Master Data - MRP Planning Data / Plant Data | The PLANTS view displays. |  |
| 5 | Choose Plant Details | In the PLANTS view, use the arrow icon to select the plant data you created in the previous step. | The Product Master Plant view displays. |  |
| 6 | Navigate to Plant: Storage Location | In the Product Master – Plant view navigate to PLANTS > STORAGE LOCATIONS . | The Product Master – PLANTS view opens in Edit Mode. |  |
| 7 | Choose Add (+) | In the STORAGE LOCATIONS > Storage Locations and choose + (Add). | The Plant – Storage Location view opens in Edit Mode. |  |
| 8 | Enter Plant: Storage Location Data | In the Storage Locations view make following entries:   * Storage Location: <Storage location number> for example, 171A |  |  |
| 9 | Return to Main View | Choose the back arrow, twice, to return to Product Master . | Return to the Product Master view. |  |
| 10 | Save | Choose Save. | The system issues a notification that the object is saved. |  |

## Create Product Master Data - Accounting Data / Valuation Area Data

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete a previous procedure, Create Product Master Data - Basic Data, before you proceed with this procedure.

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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | On the Create Material (Initial view), make the following entries:   * Material: CM-FL-V01 * 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: KMAT - Configurable materials | The Select View(s) displays. |  |
| 4 | Choose Views | In the Select View(s) window, select the following views and choose Continue:   * Accounting 1 * Accounting 2 | The Organizational Levels view displays. |  |
| 5 | Enter Organizational Levels Data | In the Organizational Levels view, in the Organizational level section, make the following entries:   * Plant: 1710 | The Create Material (Configurable materials) view displays.  You get the information at the bottom of the view: The material already exists and will be extended. |  |
| 6 | Enter Accounting Data | In the Create Material (Configurable materials) view, on the Accounting 1 tab, in the General Valuation Data section, make the following entry:   * Valuation Class: 7920 |  |  |
| 7 | Enter Accounting Data | In the Prices and values section, make the following entries:   * Standard Price: 1 * Per. Unit price: 1 * Prc. Ctrl: S | You have navigated to the next tab, Accounting 2. |  |
| 8 | Confirm Entries | In the Accounting 2 tab, you do not have to make any entries. | A new window Last data view reached displays with the message You are about to exit. Do you want to save your data for this material first?. |  |
| 9 | Save Your Data | In the window Last data view reached choose Yes. | The Master Data - Product window displays.  Your data is saved. |  |

Procedure: Option 2 - Manage Product Master Data

Use the following procedure when your user access presents you with the Manage Product Master Data (F1602) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori Launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Manage Product Master Data (F1602). |  |  |
| 3 | Choose Edit | Choose Edit  Note This step assumes you are continuing from the previous step and are already on the Manage Product Master Data tile. After you have saved your data from the previous section, the system is in Display Mode. To proceed, you must be in Edit Mode. | Edit Mode (fields are ready for your input). |  |
| 4 | Choose Valuation Area Data | In the Product view, choose VALUATION AREAS | The VALUATION AREAS view displays. |  |
| 5 | Choose Add (+) | In the VALUATION AREAS view, choose + (Add) | The VALUATION AREAS view opens in Edit Mode. |  |
| 6 | Enter Valuation Area Data | In the VALUATION AREAS > Valuation Area view make following entries:   * Valuation Area: <number>, for example, 1710 * Price Control Determination:2 * Valuation Class: for example, 7920 |  |  |
| 7 | Enter Current Valuation Area Data | In the Valuation view, choose Current Period view, make the following entries:   * Moving average price: for example, 20 * Price Control: for example,S |  |  |
| For Brazil Only | Enter Accounting Details (for Brazil Only) | For Brazil, from the VALUATION AREAS > DETERMINATION OF CFOP view, you must enter data for Determination of CFOP Code:  Usage of the Product: Choose according to the Brazilian fiscal classification:  0 - Resale 1 - Industrialization  2 - Consumption  3 - Asset  Origin of the Product: Choose according to Brazilian fiscal classification:  0 - National (except when indicated for codes 3, 4, 5, or 8)  1 - Foreign when imported directly  2 - Foreign when acquired nationally  3 - National when import content is over 40% and below or equal to 70%  4 - National when produced with tax incentive  5 - National when import content is less than or equal to 40%  6 - Foreign when imp. direct, no similar nat., Res.CAMEX, and nat. gas  7 - Foreign when acquired nat., no similar nat., Res.CAMEX and nat. gas  8 - National when import content exceeds 70%  Produced in-house: X if applicable, according to fiscal classification. (Semi-Finished should also be marked) |  |  |
| For Brazil Only | Enter Accounting 2 Details (for Brazil Only) | For Brazil, in the Accounting 2 tab, you must enter data for Determination of CFOP Code:  Material usage: Choose according to the Brazilian fiscal classification:  0 - Resale  1 - Industrialization  2 - Consumption  3 - Asset  Material Origin: Choose according to Brazilian fiscal classification:  0 - National (except when indicated for codes 3, 4, 5, or 8)  1 - Foreign when imported directly  2 - Foreign when acquired nationally  3 - National when import content is over 40% and below or equal to 70%  4 - National when produced with tax incentive  5 - National when import content is less than or equal to 40%  6 - Foreign when imp. direct, no similar nat., Res.CAMEX, and nat. gas  7 - Foreign when acquired nat., no similar nat., Res.CAMEX and nat. gas  8 - National when import content exceeds 70%  Produced in-house: X if applicable, according to fiscal classification. (Semi-Finished should also be marked) |  |  |
| 8 | Return to Main View | Choose the back arrow to return to Product Master | Return to the Product Master view. |  |
| 9 | Save | Choose Save. | The system issues a notification that the object is saved. |  |

## Create Product Master Data – Costing

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

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

Prerequisite

You must complete the previous section, Create 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 Create Material (MM01) app.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Master Data Specialist - Product Data. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Material (MM01). | The Create Material (MM01) displays. |  |
| 3 | Enter Material Basic Data | In Create Material (Initial view), make the following entries:   * Material: CM-FL-V01 * 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: KMAT – Configurable materials | The Select View(s) view displays. | Field is not available. |
| 4 | Choose Views | In the Select View(s) window, select Costing 1 and Costing 2 and choose Continue. | The Class Type (1) view displays. |  |
| 5 | Enter Organizational Levels Data | In the Organizational level section, select the following entries and choose Continue:   * Plant: 1710 | The Costing 1 view displays. |  |
| 6 | Enter Costing 1 Data | In the Costing 1 view, select the following entries and choose the Costing 2 tab.   * Base unit of Measure: PC * Profit Center: YB110 * Costing lot size: 100 | The Costing 2 view displays.  Your data is saved. |  |
| 7 | Enter Costing 2 Data | In the Costing 2 view, select the following entries and choose Continue to save:   * Valuation class: 7920 * Price control: S * Price unit: 1 | Your data is saved. |  |

Procedure: Option 2 – Manage Product Master Data

Note The required fields are currently unavailable for this application. Use Option 1 (above) and save your entries.

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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