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| Master Data Script  SAP S/4HANA - 18-09-20 | public |
| Create Master Recipe (3X9) |

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# Purpose

You can use the maser recipe to describe an enterprise-specific process in process industries without relating to a specific order.

Master recipes are mainly used for planning the manufacture of products. However, you can also use them to describe the clean-out or changeover of a production line.

Master recipes are used as a reference for process orders as well as the basis for product costing.

# 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 |
| Production Engineer - Process Manufacturing | SAP\_BR\_PRODN\_ENG\_PROC | Production Engineering - Process Manufacturing | SAP\_BR\_PRODN\_ENG\_PROC |  |

## Required Organizational Units

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Segment | Depends On | Field Examples | Comments | Organizational Unit to be Used |
| All data | Plant |  | All the data for a Master Recipe depends on plant. | Plant:  \_\_\_\_\_\_\_\_\_\_ |

## Mandatory and Optional Master Data

Master Recipe 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 Master Recipe.

|  |  |  |  |
| --- | --- | --- | --- |
| Master Data Object | Used in Data Segment | Mandatory / Optional | Comments |
| Material |  | Mandatory | Complete the following test script as prerequisite before executing process steps:  Create Product Master of Type "Raw Material"  Create Product Master of Type "Semi-Finished Good"  Create Product Master of Type "Finished Good" |
| Resouce | In create Master Recipe: operation overview screen, select a work center for an internal operation | Mandatory, (Optional) | For an external operation the work center is not a mandatory input field.  If required, execute the Create Resource test script. |
| Bill of Material |  | Optional | Execute the Create Material BOM for Production and Sales test script. |
| Purchasing Info Record |  | (Mandatory) | For an external operation, you could use a purchasing info record to capture all supply relevant data |
| Material Group |  |  |  |
| Cost Element |  |  |  |

## 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 Master Recipe.

### Usage

|  |  |
| --- | --- |
| Key of task list usage | Description |
| 1 | Production |
| 2 | Engineering/Design |
| 3 | Universal |

# Overview Table

This scope item consists of the process step 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 | Expected Results |
| [Creating Master Recipe](#unique_10) [page ] 7 | Production Engineer - Process Manufacturing | Create Master Recipe (C201) |  |

# Test Procedures

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

## Creating Master Recipe

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. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass/Fail/Comments |
| 1 | Log On | Log onto the SAP Fiori launchpad as a Production Engineer - Process Manufacturing. | The SAP Fiori launchpad displays. |  |
| 2 | Access the SAP Fiori App | Open Create Master Recipe (C201). | The Create Master Recipe: Initial Screen displays. |  |
| 3 | Set up the Create Master Recipe Initial Screen | On the Create Master Recipe Initial Screen, enter the following data.   * Material: <Finished/Semi-finished material number> * Plant: <Your Plant number> * Profile: <YPI1>   Choose Enter. | Create Master Recipe header detail appears. |  |
| 4 | Set up the Create Master Recipe Header Sub-Tab | On Create Master Recipe: Recipe view:  Enter the following data in Recipe Header Sub-tab:   * Usage: <1 for production> * Status: <4 released-general> * Planner Group: <1>   Choose Enter. |  |  |
| 5 | Add an Opration | Enter the following data in the Operations Sub-tab.   * Resouce: <Resouce> * Control Key: <YBP4> * Description: <Enter a description for the operation>. |  |  |
| 6 | Add a Phase | Enter the following data in the Operations Sub-tab.   * Phase Indicator: <X> * Superior Operation: <Operation ID, for example:0010> * Resouce: <Resouce> * Control Key: <YBP4> * Description: <Enter a description for the operation>.   And then double-click the phase you created. | The Create Master Recipe : Operation view displays. |  |
| 7 | Set Up for Standard Value Section of Phase | Enter the following data in the Standard Values Sub-tab, and then go back.   * Machine: <Machine operation time> * Labor: <Labor Time > |  |  |
| 8 | Add More Operations or Phase | Repeat the previous steps for each Operation or Phase.  If you want to assign components at this moment, you should proceed following steps; otherwise you can save your entries and exit. |  |  |
| 9 | Choose Material | On the Create Master Recipe: Recipe view, choose the Materials sub-tab. | An Insert Production Version dialog box appears. |  |
| 10 | Insert Production Version | In the Insert Production Version dialog box, make following entries:   * Production Version: <new production version> * BOM Data – Alternative BOM: <your AltBOM> * BOM Data – BOM Usage: <usage>   Choose Check, check relevant information and make sure no error exists, and then choose Close. | The check indicator shows as green for BOM Data section. |  |
| 11 | Close Screen and Adopt Changes | In the Insert Production Version dialog box, choose Close Screen and Adopt Changes. | The material list appears under Material Component Assignments in the Materials sub-tab. |  |
| 12 | Create a New Assignment | Choose New assignment. | A New Assignment dialog box appears. |  |
| 13 | Assign to Oper./act. List | Choose Oper./act. List. |  |  |
| 14 | Choose Operation | Select an operation and press Enter. |  |  |
| 15 | Assign Other Components | Repeat the previous steps for other components. |  |  |
| 16 | Save Your Data | Save your entries. | Master Recipe is created. |  |

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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