



PUBLIC

# How-To Maintain Multiple Materials with MDG

Applicable Releases:

All

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## Document History

Document Version	Description
1.0	First official release of this guide
1.1	Chapters 3.4 and 4.6
1.2	Update chapter 4.5: Update in Staging possible
1.3	MDG 8.0 Multi-Record Processing for Creation (chapter 4.3); MDG 9.0 Mass Processing for Change (chapter 5.5)
1.4	MDG 9.0 Consolidation (chapter 4.4.) and smaller corrections
1.5	Product Service (chapters 4.7 and 5.7)
1.6	Smaller corrections (January 2022)
2.0	Smaller corrections (December 2022)
2.1	Format update (December 2024)

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# 1. Business Scenario

SAP Master Data Governance for Material (MDG-M) provides business processes to support the governance of material master data on a central hub and the subsequent distribution of material master data to connected operational and business intelligence systems. This includes capabilities to search, create and change individual materials as well as options to work on several materials at a time. The related processes are workflow-driven and can include several approval and revision phases, including collaboration between all users participating in master data maintenance.

With regard to the variety of functions offered in MDG, it is not really surprising that questions often arise about when to use what. This is particularly important for the intended purpose if several materials are to be maintained at the same time.

The following guide provides insights into the applicability of each function, also considering constraints and possible restrictions.

## 2. Prerequisites

Check the following SAP Notes:

2129261	Functional restrictions in MDG-M in MDG8
2284745	Functional Restrictions in MDG for Material with SAP Master Data Governance 9.0
2461516	Functional Restrictions in MDG for Material with SAP Master Data Governance 9.1
2656693	Functional Restrictions in MDG for Material in SAP Master Data Governance 9.2/SAP S/4HANA 1809
2816571	Functional Restrictions in MDG for Material on SAP S/4HANA 1909
2948873	Functional Restrictions in MDG for Material on SAP S/4HANA 2020
3070012	Functional Restrictions in MDG for Material on SAP S/4HANA 2021
3219945	Functional Restrictions in MDG for Material on SAP S/4HANA 2022
2479869	Usage of Lean Classification with SAP Master Data Governance

Release SAP Notes:

3251553	SAP S/4HANA Master Data Governance 2022: Release Information Note
3116950	SSAP S/4HANA Master Data Governance 2021 FPS1: Release Information Note
3088373	SAP S/4HANA Master Data Governance 2021: Release Information Note
2882157	SAP S/4HANA Master Data Governance 2020: Release Information Note
2894709	SAP S/4HANA Master Data Governance 1909 FPS2: Release Information Note
2817330	SAP S/4HANA Master Data Governance 1909: Release Information Note
2668153	SAP S/4HANA Master Data Governance 1809: Release Information Note
2495849	SAP S/4HANA Master Data Governance 1709: Release Information Note
2349002	SAP S/4HANA Master Data Governance 1610: Release Information Note
2789942	SAP Master Data Governance 9.2 SP 2: Release Information Note
2645368	SAP Master Data Governance 9.1 SP 3: Release Information Note
2450293	SAP Master Data Governance 9.0 SP03: Release Information Note

### 3. Comparison

SAP Note [2196009](#) - MDG: Import, upload, and mass processing of master data

In Master Data Governance (MDG), there are various options to upload mass master data into the MDG data set initially, to supplement it, or to modify it. This SAP Note should serve as guidance to help you use the relevant application for the request in question.

The following table shows a direct comparison of the various characteristics offered by the different applications:

	<i><b>Business Type MATA</b></i>	<i><b>Data Import Framework</b></i>	<i><b>File upload USMD_FILE_UPLOAD</b></i>	<i><b>USMD_DATA_TRANSFER_B ACKEND</b></i>	<i><b>Multi-Record Processing</b></i>
<i><b>Process type</b></i>		Asynchronous	Synchronous	Asynchronous	
<i><b>Parallel processing possible</b></i> if dependencies can be excluded through cross-references		Yes	No	Yes, using several jobs	
<i><b>For each upload, only one entity type possible</b></i>		No	Yes	Yes	
<i><b>Flex and reuse data model</b></i>		Yes	Yes	Yes	
<i><b>Flex entity in reuse data model</b></i>		No	Yes	Yes	
<i><b>Number of data records to be uploaded</b></i>		> 1000	< 1000	> 1000	<200
<i><b>Creation of data</b></i>	Yes	Yes	Yes	Yes	Yes (MDG8)
<i><b>Change of data</b></i>	Yes	Yes	Yes	Yes	Yes (MDG7)
<i><b>Error tolerance *1</b></i>	No	Yes	No	No	No
<i><b>Load reuse entities directly as active data *2</b></i>	No	Yes	No	No	No
<i><b>Load data as inactive data *3</b></i>	Yes	Yes	Yes	Yes	Yes
<i><b>Data format</b></i>	No file	XML *4	CSV, XSLX *5*	CSV*	No file

- \*1) If a data record is blocked by another change request (of another user) or if a data record has errors, the system still performs the upload process.
- \*2) In this case, the data is updated directly as active data without being written to a change request previously. In this case, the governance process is avoided. This might make sense during the initial loading of data, for example.
- \*3) Here, the data is written to staging using change requests and is subject to the governance process.
- \*4) A conversion from CSV to XML can take place with a conversion exit.
- \*5) XLSX or Office Open XML; see also [File Formats for File Upload](#).

Note: Data import framework is not a typical data migration tool. It is designed primarily for importing smaller volumes of data into a staging area. The number of records you can import using data import framework with acceptable performance depends on the size of your objects (such as number of plants assigned to the material). It also depends on which checks have been activated in Customizing for the change request steps and the number of parallel processes used.

For migration, it may be a better option to clean up the master data and import it directly into the active area using traditional data migration tools.

Note that MDG consolidation or MDG mass processing can also be used to create or change materials. Depending on the use case, MDG consolidation/mass processing is preferable to using the applications mentioned above.

For SAP MDG, consolidation see SAP Help [https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/80718d54c638f757e1000000a423f68.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/80718d54c638f757e1000000a423f68.html) and PPT <https://www.sap.com/documents/2016/05/c0406bbc-737c-0010-82c7-eda71af511fa.html>).

You can also consider using SOA Product Service Inbound ProductMDMBulkReplicateRequest (see SAP Help [https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/898c097752f44fa089c4e5f37e2cfc23.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/898c097752f44fa089c4e5f37e2cfc23.html) ).

## 4. Creation of Multiple Materials

This chapter gives some insights about how to create multiple materials in the MDG Hub. You can create new materials using a change request in the staging area or by writing directly into the active area of the material master back-end tables.

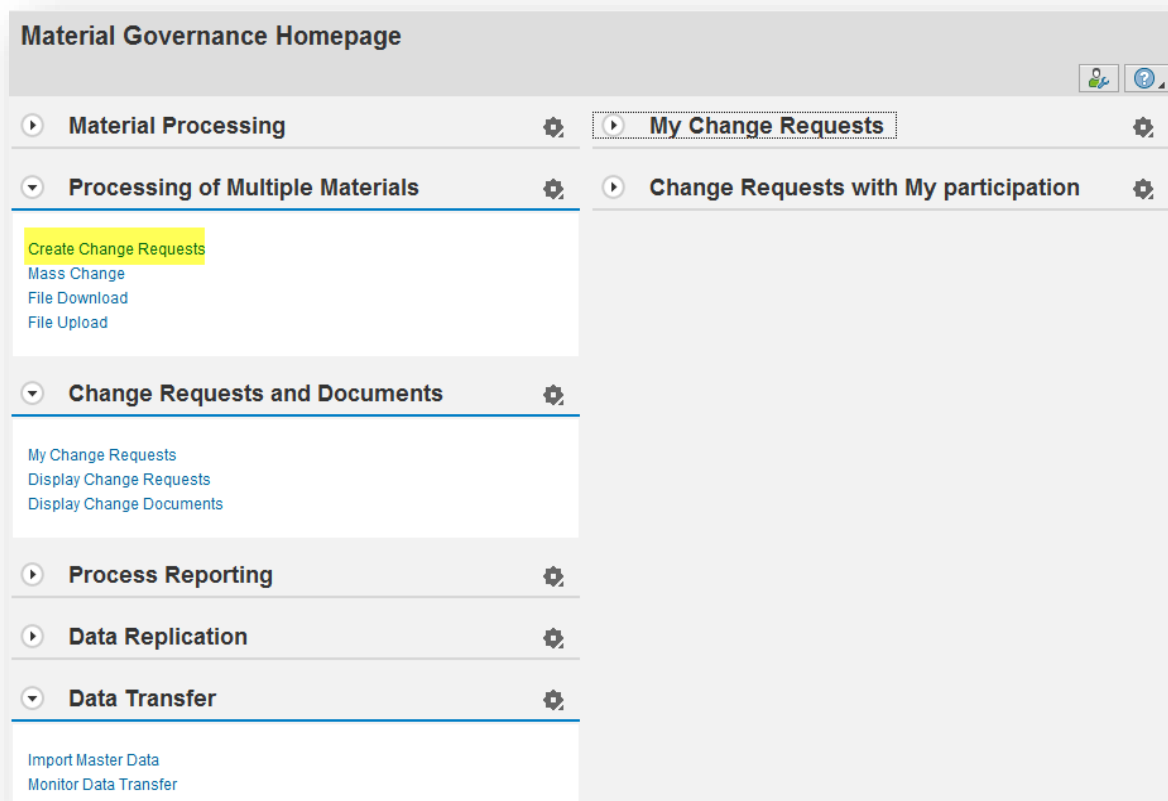
### 4.1. Change Request with Business Type MATA (Staging)

#### Use case:

You want to create more than one material master using one change request.

#### Solution:

You can use a change request type with the business activity MATA.





## Create Change Request and Assign the New Materials

Create one change request and assign multiple materials to it.

### Create Change Request: Step 1 (General Data)

< Previous   Next >   Submit   Close   Save Draft

1   2   3   4   5

General Data   Reason for Changes   Changes   Specify Target Systems   Check and Submit

**Properties**

Description: \* Multiple Materials

Type: \* Process Multiple Materials

**Control Data**

Due Date: 28.02.2014

Priority: Low

Reason:

### Create Change Request: Step 3 (Material)

< Previous   Next >   Enter   Goto 'Changes'

1   2   3   a   3

General Data   Reason for Changes   Changes   Material   Changes

Add Row   Delete Row(s)

Material	Description
P-5500	
P-6000	
p-6500	

### Create Change Request: Step 4 (Check and Submit)

< Previous   Next >   Submit   Close   Save Draft

1   2   3   4

General Data   Reason for Changes   Changes   Check and Submit

**You want to create the following change request:**

**Properties**

Description: Multiple Materials

Type: Process Multiple Materials

**Control Data**

Due Date: 28.02.2014

Priority: Low

Reason:

**Objects to Be Changed**

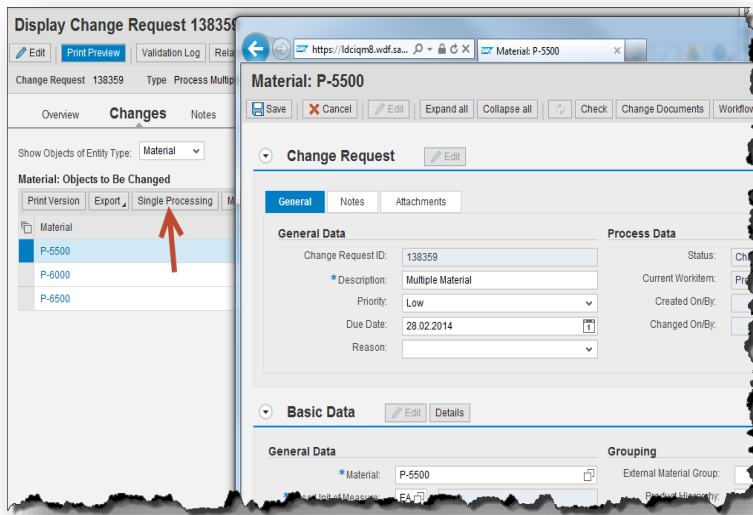
**Objects to Be Changed**

Specify Objects

Entity Type	Objects Specified
Material	

## Enrich the Materials in the Change Request

The next processor can find the submitted change request in the worklist. The processor can enrich the data using single processing, then work through each material individually.



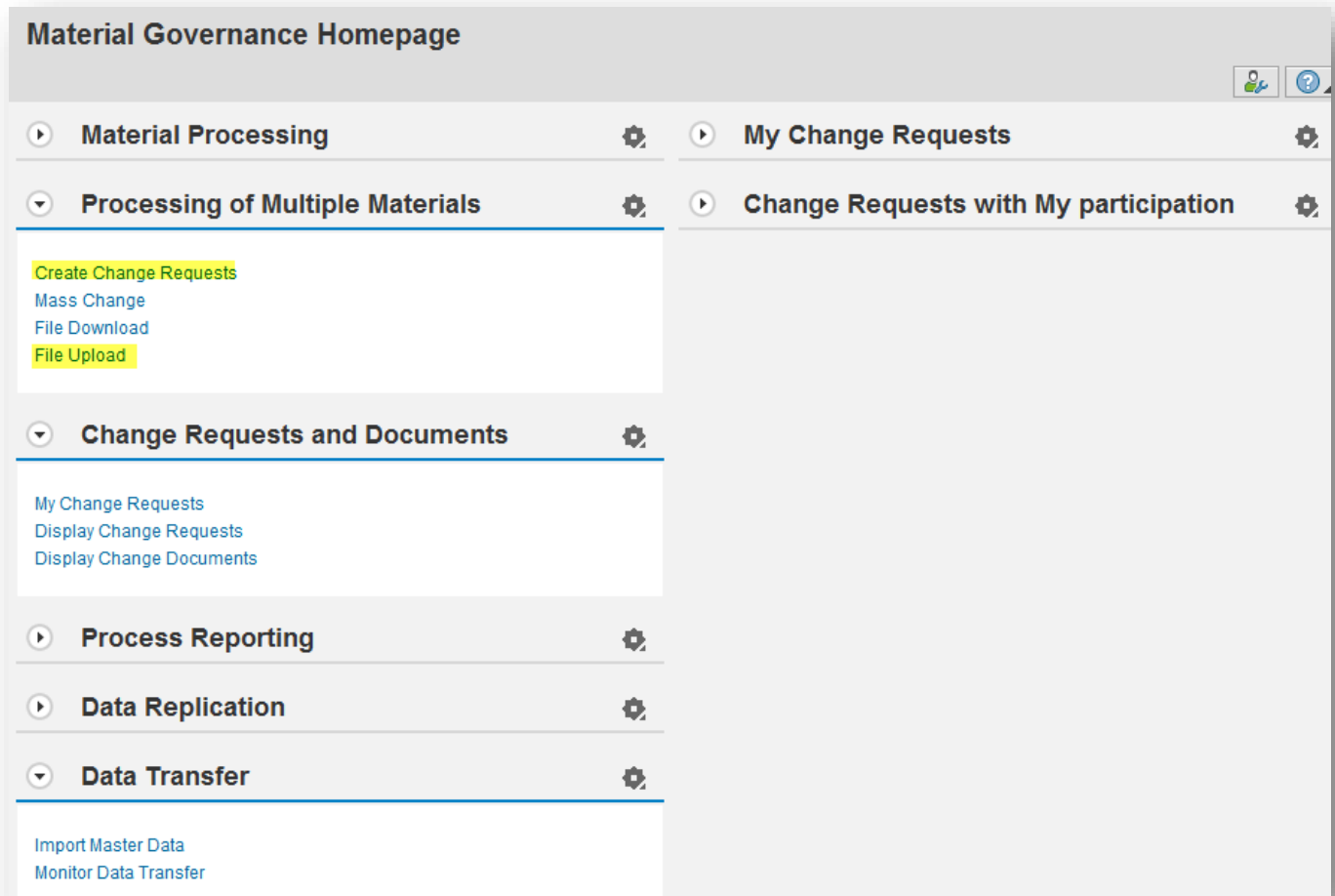
## 4.2. File Upload (Staging)

### Use case:

You want to create data for one entity (for example, the entity Material).

### Solution:

You can use the *File Download* and *File Upload* functions. Flex entities can also be created in this way.



CSV\*-based transfer of data (entities) could be used for loading scenarios into the staging area. Be aware that a material master data object usually spans several entities, which must be uploaded separately. Dependencies are not covered by the system. Therefore, the user must ensure that all the necessary entities are available as a CSV file and uploaded into the same change request.

You **cannot** upload a complete material master (all views at once). Each single view is mapped more or less as a single MDG entity type. This needs to be selected up front and can be uploaded one by one for different entity types. It could be used to create a small number of entities in staging. Flex entities can also be created in this way.

## Create Change Request

Create one change request and do not assign materials to it.

The screenshot shows the 'Create Change Request: Step 1 (General Data)' interface in the SAP NetWeaver Business Client. The left sidebar contains a navigation menu with 'Change Requests' expanded, showing options like 'Material Processing', 'Processing of Multiple Materials', and 'Create Change Request'. The main area has a progress bar with five steps: 1. General Data (active), 2. Reason for Changes, 3. Changes, 4. Specify Target Systems, and 5. Check and Submit. Below the progress bar, the 'Properties' section includes 'Description' (File Upload CSV) and 'Type' (Process Multiple Materials). The 'Control Data' section includes 'Due Date' (28.02.2014), 'Priority' (Medium), and 'Reason'.

## Upload the CSV file

Upload your CSV file with the *File Upload* function. You can use a variant which you previously created.

The screenshot shows the 'File Upload: Step 1 (Determine Entity Type)' interface. The left sidebar has 'File Upload' selected. The main area has a progress bar with three steps: 1. Determine Entity Type (active), 2. Define File Structure, and 3. Determine Upload Settings. Below the progress bar, the 'General Settings' section includes 'Entity Type' (Material) and 'Type of Transfer' (Attributes). The 'Variant' section shows 'Variant' (FE\_MAT\_01) and 'FE Entity Type Material'.

Load your CSV file from your PC.

SAP NetWeaver Business Client

Material Governance

Business Partner Governance

Customer Governance

Supplier Governance

Product Engineering

Test Menu for T1

Governance for Flight Data Model

Change Requests

Material Processing

Processing of Multiple Materials

Create Change Request

Mass Change

File Download

File Upload

Create Change Request

Mass Change

File Download

File Upload

Change Requests and

File Upload: Step 3 (Determine Upload Settings)

Previous

Next

Execute Upload

Save Variant

Delete Variant

1

2

3

Determine Entity Type

Define File Structure

Determine Upload Settings

Upload Settings

Upload Mode: \* Overwrite or Add Attributes

Conversion: \* Execute Conversion

File Store

File System: \* Presentation Server

File Name: \* C:\Users\ld020450\Desktop

Load File

File Format

Separator: \* Semicolon

Comment Row: \*

### 4.3. Multiple-Record Processing (Staging)

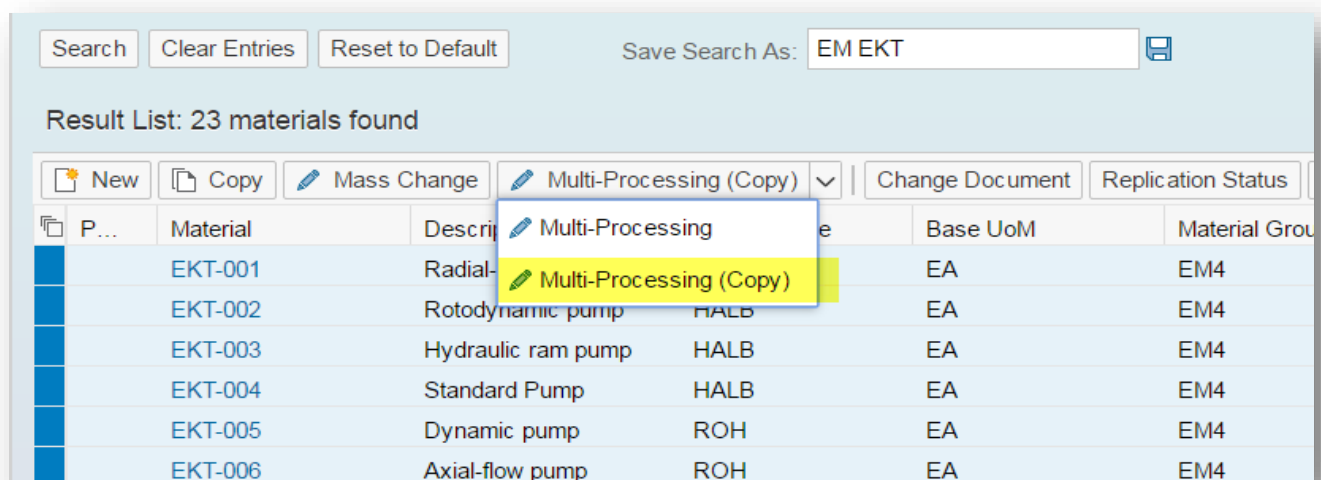
For more information about multiple-record processing when changing multiple materials, see chapter 5.3 Multiple-Record Processing (Staging) .

#### Use case:

You want to create various data with governance for some materials.

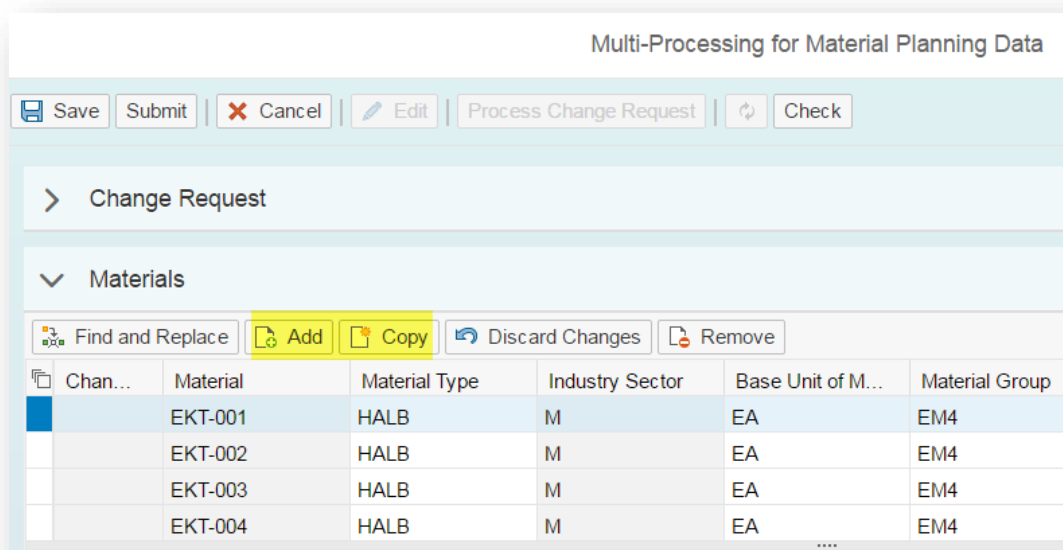
#### Solution:

As of MDG 8.0 you can use multiple-record processing also for creating records. This service enables you to create, copy and edit multiple master data records at the same time. The service is recommended for dealing with a smaller number of records.



The screenshot shows the SAP Material Master Data search results. At the top, there are buttons for 'Search', 'Clear Entries', and 'Reset to Default'. A 'Save Search As:' field contains 'EM EKT'. Below this, it says 'Result List: 23 materials found'. A table lists materials with columns: P..., Material, Description, Base UoM, and Material Group. A dropdown menu is open over the table, showing 'Multi-Processing' and 'Multi-Processing (Copy)' options. The 'Multi-Processing (Copy)' option is highlighted in yellow.

P...	Material	Description	Base UoM	Material Group
	EKT-001	Radial-	EA	EM4
	EKT-002	Rotodynamic pump	EA	EM4
	EKT-003	Hydraulic ram pump	EA	EM4
	EKT-004	Standard Pump	EA	EM4
	EKT-005	Dynamic pump	EA	EM4
	EKT-006	Axial-flow pump	EA	EM4



The screenshot shows the 'Multi-Processing for Material Planning Data' window. At the top, there are buttons for 'Save', 'Submit', 'Cancel', 'Edit', 'Process Change Request', and 'Check'. Below this, there is a 'Change Request' section and a 'Materials' section. The 'Materials' section contains a table with columns: Chan..., Material, Material Type, Industry Sector, Base Unit of M..., and Material Group. The 'Add' and 'Copy' buttons are highlighted in yellow.

Chan...	Material	Material Type	Industry Sector	Base Unit of M...	Material Group
	EKT-001	HALB	M	EA	EM4
	EKT-002	HALB	M	EA	EM4
	EKT-003	HALB	M	EA	EM4
	EKT-004	HALB	M	EA	EM4

## 4.4. SAP MDG, Consolidation

### Use cases:

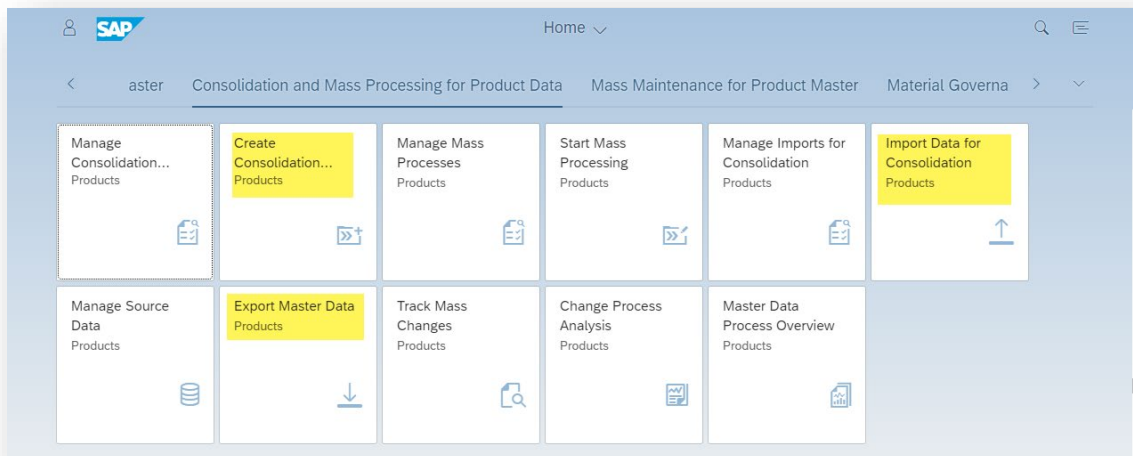
You want to create or load many materials with or without governance. You want to consolidate materials into the system (with or without matching and merging functionality)

### Solution:

SAP MDG, consolidation enables you to support the following processes:

- 1.) Load materials into the system with source system and source ID information.  
You can use the SAP Fiori app *Import Data for Consolidation* to upload a spreadsheet file (Office Open XML) with the required data. When using the pre-delivered process template *SAP: Load Material Data*, this data will be validated, and the records will be created in the system. Key mapping related to the source system will be written. This means that you can use this functionality for a mass creation use case as well, with the minor disadvantage being that the key mapping is created (which is an overhead).
- 2.) Consolidate materials into the system with source system and source ID information.  
This is a similar process to the one described in point 1.) above. When using the pre-delivered process template *SAP: Consolidate Product Data*, this data will also be checked against duplicates (matching) and merged in the best record calculation step.

If you use the SAP Fiori app *Export Master Data*, you can download a spreadsheet file which you can use as a template for the mass creation use case.



Import Data for Consolidation - Products

### Create Data Import

**Data Source**

\*Source File:  [Browse...](#)

[Download File Templates](#)

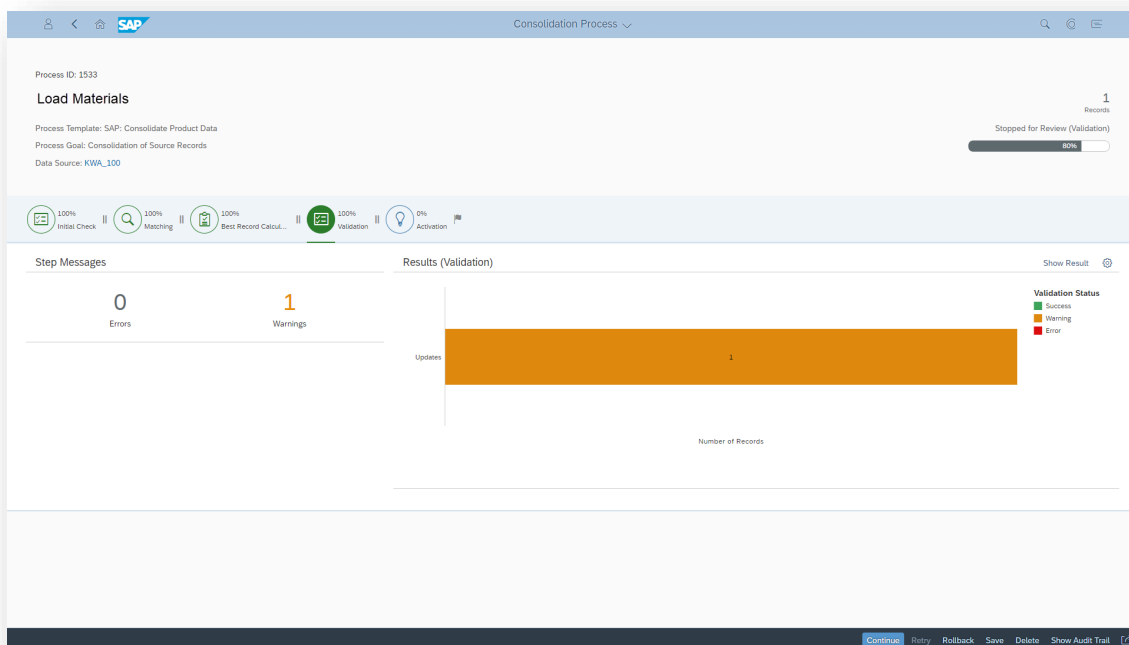
\*Source System:

\*Data Package:

**Import Settings**

If records are not importable

☐ Stop and Check  
☒ Skip and Continue



Related How-To Guides can be found under the following link: <https://community.sap.com/topics/master-data-governance/how-to#consolidation-and-mass-processing>

See SAP Help <https://help.sap.com/viewer/db97296fe85d45f9b846e8cd2a580fbd/LATEST/en-US/5c1f0c571db4124ce10000000a4450e5.html> and PPT (<https://www.sap.com/documents/2016/05/c0406bbc-737c-0010-82c7-eda71af511fa.html>).



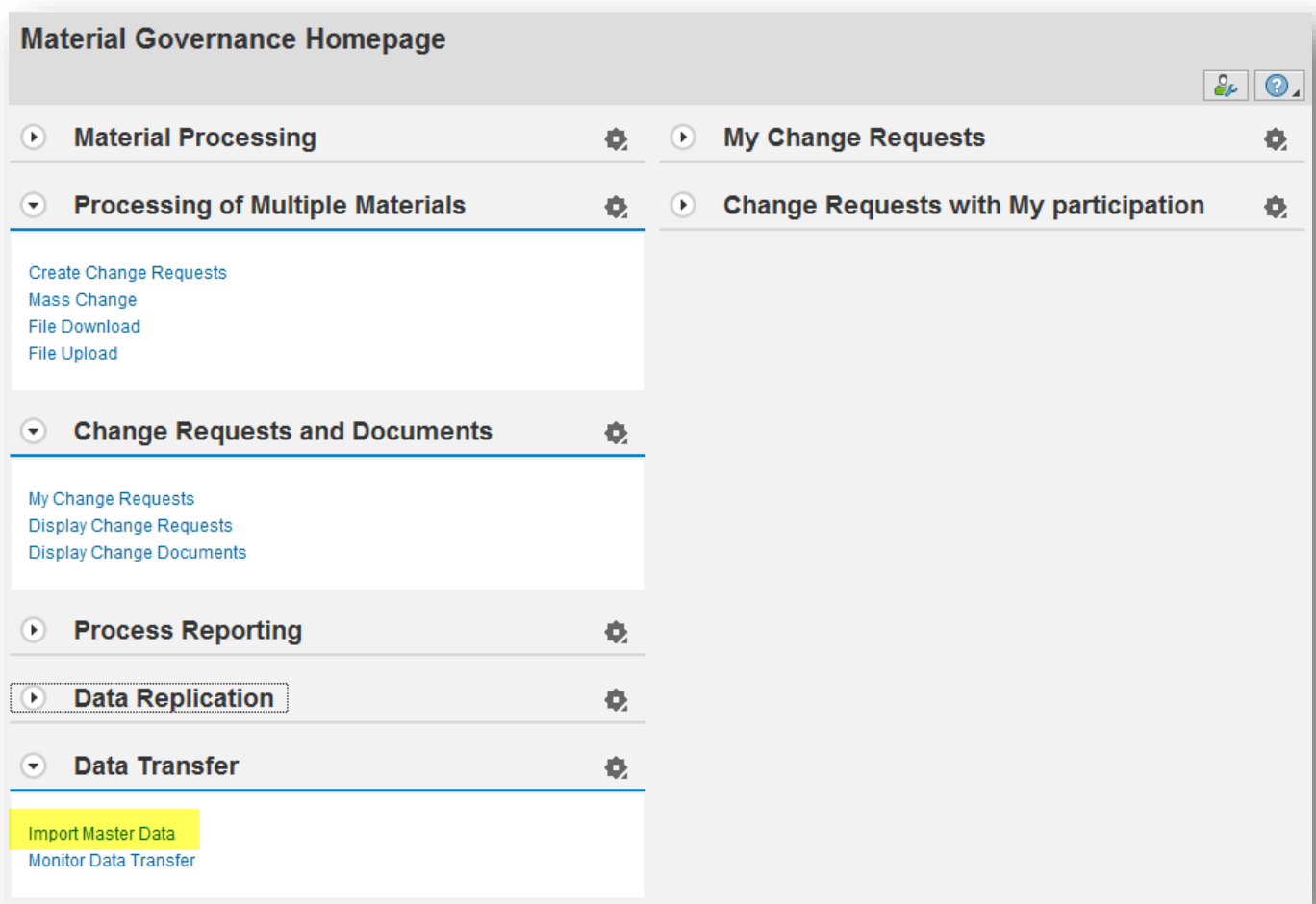
## 4.5. Data Import Framework (Staging/Active Area)

### Use Cases:

You want to do an initial load in the MDG implementation phase (importing data into a new MDG system) or you want to do an initial load while operating MDG (importing data from new client systems into a running MDG system).

### Solution:

You can use the *Import Master Data* service to import files.



Data transfer represents a collection of functions and features you can use to move master data and mapping information between systems and clients. Examples of these systems include existing ERP systems and your Master Data Governance hub system. To transfer master data and mapping information, perform the following steps:

1. Export the master data and mapping information from the source system to an XML file. This file rests on your application server.

2. Copy the XML file from the application server of the source system to the application server of your target system.
3. Import the master data and mapping information to the target system using the data import framework.

Note: The *Master Data Governance for Material* business functions only support the import (data import framework) and monitoring of material master data and key mapping information. The export of material data can be done with other technologies for extraction (for example "pure ALE" technology using transaction BD10).

You can use the *Import Master Data* service to import files containing material and classification data to the Master Data Governance system. You can also import key and value mapping information. The data from these files can create new data using the options available in the *Import Master Data* service. You can import the data in the active area (do not flag the *Governance* field) and in the staging area (flag *Governance* field and define a *Change Request Type*). A prerequisite is that you have prepared your file for import in IDoc-XML format.

For more information, see How-To: Use the Data Import Framework for Material:

<https://www.sap.com/documents/2015/07/080ae657-5b7c-0010-82c7-eda71af511fa.html>.

**SAP NetWeaver Business Client**

**Material Governance** | Business Partner Governance | Customer Governance | Supplier Governance | Product Engineering | Test Menu for T1 | Governance for Flight Data Model

**Import Master Data and Mapping Information**

Import | Simulate Import | Custom Converter Settings | Display Monitoring

**Import Settings**

Object Type: \* Material - 194  
 Description: \* IMPORT MATERIAL  
 Overwrite: ☐  
 Custom Converter:

**Governance Settings**

Governance: ☒  
 Post Processing: Defined by Change Req  
 Change Request Type: \* MAT08  
 Edition:

**Scheduling Settings**

Scheduling: Import Now  
 Date:  Time: 00:00:00

**Parallel Processing Settings**

Parallel Processing: ☐  
 Queue name:   
 Number of Processes: 0

**Data Sources**

Add | Show Directory Content

Object Type	Source Directory
Material	MDG_TRANSFER_MAT

## 4.6. SOA Product Service Inbound ProductMDMBulkReplicateRequest (Staging/Consolidation/Active Area)

### Use case:

Your source system can create SOA messages. You may need to create materials in the MDG staging or active area or create a consolidation process. By making a specific DRF setting in Customizing, you can define that a change request is created automatically when an SOA Product service is received (ProductMDMBulkReplicateRequest). It is also possible to trigger a consolidation process or post directly to the active area.

### Note:

Services can also be used to make changes to existing materials.

### Solution:

Use Service Inbound ProductMDMBulkReplicateRequest as of S/4HANA 1909.

If the material doesn't exist yet, the default change request type for the new business activity **MATI** with logical action **CREATE\_DX** is used.

If multiple materials are sent, the default change request type for the new business activity **MATB** with logical action **LOAD** is used.

For more information, see *Define Technical Settings for Business Systems: Implications* ([https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/98ef43a592b241db908ada984e9da14a.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/98ef43a592b241db908ada984e9da14a.html) )

The screenshot shows the SAP S/4HANA Customizing interface for the 'Define Bus. Systems, BOs, Communication Channel' transaction. The top bar indicates 'Change View "Define Bus. Systems, BOs, Communication Channel": Overview'. The left sidebar shows the 'Dialog Structure' with 'Define Bus. Systems, BOs' selected. The main area displays the configuration for Business System 'QKB\_421', Business Object Type '194', and Description 'Product'. Below this, a table titled 'Define Bus. Systems, BOs, Communication Channel' shows the configuration for the 'C. Channel'.

C. Channel	Key Ham.	Upd. KM	Storage	Cr Template	Ch Template	Rel...
<input type="checkbox"/> 1 Replication via Services	<input checked="" type="checkbox"/> 1 Harmonized IDs	<input type="checkbox"/>	1 Staging Area	SAP_MM_CON SAP: Consolidate Product Data	Do not use consolidation	<input type="checkbox"/>

## MDG-M: Enable MDG Governance for Inbound Product SOAP

MDG-M: Enable MDG Governance for Inbound Product SOAP	Release	S/4HANA 1909
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As a master data steward I want to follow up on the CR which was created using SOA Service (ProductMDMBulkReplicateRequest).

Solution: According to a specific DRF customizing a Change Request is automatically created, if a SOA service is received. It is also possible to trigger a Consolidation process or directly posting to the active area.

- If the material doesn't exist yet, the default Change Request Type for the new Business Activity MATI with logical action CREATE\_DX is used.
- If the material exists already, the default Change Request Type for the new Business Activity MATU with logical action CHANGE\_DX is used.
- If multiple material are send, the default Change Request Type for the new Business Activity MATB with logical action LOAD is used.

The new Business Activities MATI and MATU and new the Change Request Types MATLOI (SOAP Product Inbound: Create Material) and MATLOU (SOAP Product Inbound: Change Material) are delivered with BC set MDGM\_MDG\_MATERIAL\_CR\_SOAP\_09.

Follow the configuration guide to set up the system.

<https://help.sap.com/viewer/6d52de87aa0d4fb6a90924720a5b0549/latest/en-US/898c097752f44fa089c4e5f37e2cfc23.html>

You can see the scope of the service in S/4HANA 2020 and S/4HANA 1909 here:

<https://help.sap.com/viewer/18fe3fab96864826bfa0be0de4f65b85/latest/en-US/43455397a1be4b47bd499a2c20fba603.html>

## 4.7. Back-end Functions Direct Input/ALE (Active Area)

### Use case:

You want to do an initial load or transfer material data from other systems and want to create the complete material master in the active area.

### Solution:

Use a custom program for direct input or BAPI or use ALE.

You can transfer materials:

- **Using direct input**

The preferred way is to use direct input method or a user-created program with a BAPI. For more information, see the information sheet on transferring material master data (Industry):

<https://help.sap.com/viewer/92fcba4b877842928f841e778cd7aa37/LATEST/en-US/0118bf53d25ab64ce1000000a174cb4.html>

Available BAPIs:

- BAPI\_MATERIAL\_SAVEDATA Create and Change Material Master Data
- BAPI\_MATERIAL\_SAVEREPLICA BAPI for Mass Maintenance of Material Data

- **Using Application Link Enabling (ALE)**

You can find a detailed description of ALE, including supported functions and the procedure under [Transfer and Distribution of Material Master Data \(https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/f7ddfe4caca43dd967ac4c9ce6a70e4/6214c453f57eb44ce1000000a174cb4.html\)](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/f7ddfe4caca43dd967ac4c9ce6a70e4/6214c453f57eb44ce1000000a174cb4.html).

Check the following components at the bottom of that topic:

- BC – ALE Implementation and Administration
- BC – ALE Introduction
- Creating Material Master Data
- Distributing Material Master Data
- ALE Programming Guide
- Master Data Distribution

- **Using Legacy System Migration Workbench**

You can find a detailed description of the LSMW under the following links:

[https://help.sap.com/docs/SAP\\_NETWEAVER\\_750/f6a2c35cb0dd4900ad16d735f1415331/4dafeb6ad8f66d57e1000000a42189e.html](https://help.sap.com/docs/SAP_NETWEAVER_750/f6a2c35cb0dd4900ad16d735f1415331/4dafeb6ad8f66d57e1000000a42189e.html)

<https://wiki.scn.sap.com/wiki/pages/viewpage.action?pageId=2739>

- **SAP S/4HANA Migration Cockpit**

See SAP Help [https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/29193bf0ebdd4583930b2176cb993268/a4d4119a2cc9448a98e5d17e6dd0eac4.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/29193bf0ebdd4583930b2176cb993268/a4d4119a2cc9448a98e5d17e6dd0eac4.html).

## 5. Changing Multiple Materials

This chapter gives some insights about how to change multiple existing materials in the MDG Hub. You can change materials using a change request in the staging area or by changing them directly in the active area of the material master back-end tables.

### 5.1. Change Request with Business Type MATA (Staging)

**Use case:**

You want to change more than one material master in one change request. You can use a change request type with business activity `MATA` to do this. Select existing materials in the change request.

For more information, see chapter 4.1 Change Request with Business Type MATA (Staging).

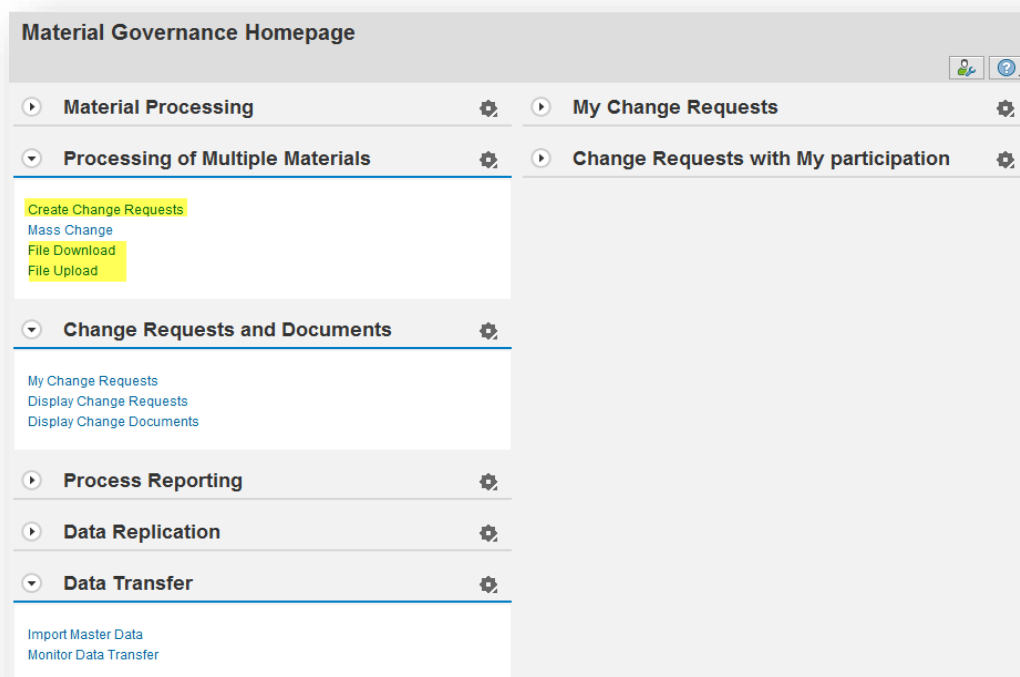
## 5.2. File Download and Upload (Staging)

### Use case:

You want to change data for one entity (for example, entity Material).

### Solution:

You can use the *File Download* and *File Upload* functions. Flex entities can also be changed in this way. The data that is to be changed must reside in one entity only, and selected materials are not in other change requests.



The file download and upload functionality provides the possibility to download existing data and upload the changed data for one entity using an Excel file. This could be sufficient for changing specific values for one entity but not for maintaining the complete material master. In this scenario, several entities must be updated which requires several Excel files. This can be very inconvenient for the end user.

### Create Change Request

Create one change request and do not assign materials to it.

### Create Change Request: Step 1 (General Data)

< Previous   Next >   Submit   Close   Save Draft

1 General Data   2 Reason for Changes   3 Changes   4 Specify Target Systems   5 Check and Submit

---

**Properties**  
 Description: \*   
 Type: \*

**Control Data**  
 Due Date:    
 Priority:   
 Reason:

## Execute File Download

Download data for one entity with the download function. You can use a variant which you previously created.

### File Download: Step 1 (Determine Entity Type)

< Previous   Next >   Execute Download   Change Model   Save Variant   Delete Variant

1 Determine Entity Type   2 Define Selection   3 Define File Structure   4 Determine Download Settings

---

**General Settings**  
 Entity Type: \*   
 Type of Transfer: \*

**Variant**  
 Variant:

### File Download: Step 3 (Define File Structure)

< Previous   Next >   Execute Download   Save Variant   Delete Variant

1 Determine Entity Type   2 Define Selection   3 Define File Structure   4 Determine Download Settings

---

**Available**  

- Entity Type / Attribute
- Appr.batch rec. req.
- Authorization Group
- Base Unit of Measure
- Basic material
- Batch management
- CAD Indicator
- Cross-plant CM
- DF at client level
- DG indicator profile
- Division

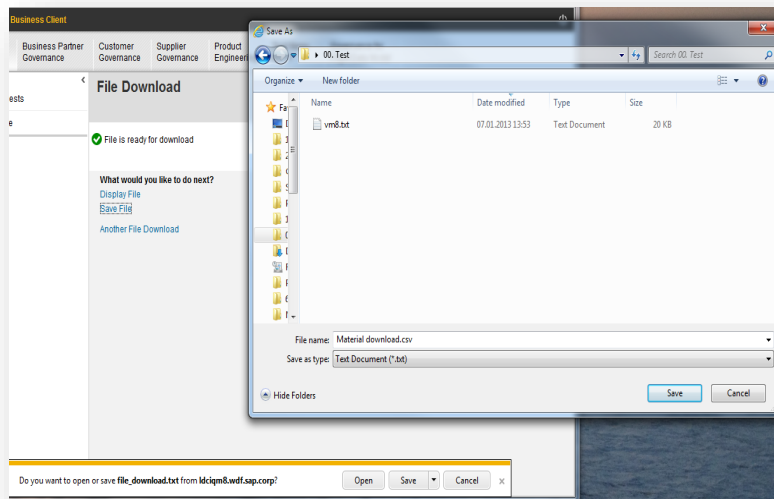
**Selected**  

- Entity Type / Attribute
- Header
- Data Row
- Material
- Industry sector
- Lab/Office
- Material type
- X-plant matl status
- Description (medium text)

Add >   < Remove



Store the file as a CSV file if you want to maintain it with Microsoft Excel.



## Maintain Data in File

Material download.csv - Microsoft Excel										
File Home Insert Page Layout Formulas Data Review View PDF-XChange 2012										
<div> <div>Cut Copy Paste Format Painter Clipboard</div> <div> <div>Calibri 11</div> <div> <div>B I U</div> <div> <div>Font</div> <div>Alignment</div> </div> </div> <div> <div>Wrap Text</div> <div>Merge &amp; Center</div> </div> <div> <div>General</div> <div>%</div> <div>0.00 2.0</div> </div> <div> <div>Conditional Formatting</div> <div>Format as Table</div> </div> </div> </div>										
F6	A	B	C	D	E	F	G	H	I	J
1	* Download									
2	* Data Model: MM									
3	* Entity Type: MATERIAL									
4	* Variant: EM05									
5	* User: ME									
6	* Date: 20140225 / Time: 100012									
7	* Selection:									
8	* MATERIAL CP   P.*									
9	* MATERIAL	MBRSH	LABOR	MTART	MSTAE	TXTM1				
10	P-010313-31	M		NOCL		P-010313-31				
11	P-020713	M		HALB		EM neu				
12	P-020713-01	M		ROH						
13	P-020713-02	M		FERT		Fertigerzeugnis				
14	P-030113	M		HALB		P-030113				
15	P-030113-01	M		HALB		1 P-030113-01				
16	P-030113-02	M		1 HALB		1 P-030113-02				
17	P-030713-FERT	M		FERT		1				
18	P-030713-HALB	M		HALB						
19	P-030713-HALB05	M		NOCL		P-030713-HALB05 ohne Werk				
20	P-050613-03	M		HALB		1 P-050613-03				
21	P-050613-06	M		HALB		2 P-050613-06				
22	P-060513-01	M		NOCL		P-060513-01				
23	P-070813	M								
24	P-071212	M		1 HALB		1 P-071212				
25	P-080113-01	M		HALB		P-080113-01				
26	P-080713-01	M		HALB		P-080713-01				
27	P-090113-01	M		HALB		P-090113-01				
28	P-091213	M		HALB						
29	P-100	M		1 HALB		1 P-100				
30	P-1000	M		1 NOCL		1 P-1000				
31	P-100114-01	M		HALB						
32	P-100214-01	M		HALB		p-100214				
33	P-100214-02	M		HALB		P-100214-02				
34	P-100214-03	M		HALB		P-100214-03				
35	P-110	M		HALB		P-110				
36	P-1100	M		NOCL		P-110				
37	P-110214-01	M		1 HALB		p-110214				
38	P-111014	M		1 HALB		1				
39	P-111113	M		HALB		P-111113 Materialvariant				

## Execute File Upload

Upload the changed data using the change request that was created before.

1

2

3

4

Determine Entity TypeDefine File StructureDetermine Upload SettingsCheck and Execute

General Settings

Entity Type: Material

Upload Settings

Upload Mode: Overwrite or Add Attributes  
Conversion: Execute Conversion  
File Store: Presentation Server  
File Name: C:\Users\d020450\Desktop\00\_TestMaterial download.csv  
Separator: Semicolon  
Comment Row: \*

Data

Show: All Rows

Material	Industry sector	Lab/Office	Material type	X-plant matl status	Description (medium text)	Row Number
P-010313-31	M		NOCL		P-010313-31	10
P-020713	M		HALB		Elm neu	11
P-020713-01	M		ROH			12
P-020713-02	M		FERT		Fertigerzeugnis	13
P-030113	M		HALB		P-030113	14
P-030113-01	M		HALB	01	P-030113-01	15
P-030113-02	M	001	HALB	01	P-030113-02	16
P-030713-FERT	M		FERT	01		17
P-030713-HALB	M		HALB			18
P-030713-HALB05	M		NOCL		P-030713-HALB05 ohne Werk	19

## 5.3. Multiple-Record Processing (Staging)

### Use case:

You want to change various data with governance for some materials.

### Solution:

As of MDG 7.0, you can use multiple-record processing. This service enables you to edit a number of master data records at the same time. The service is recommended for dealing with small numbers of records. As of MDG 8.0, you can also create records using this approach.

**Search: Materials**

Search Provider: Enterprise Search

Saved Searches:

**Search Criteria**

Search Term:

Material is P-1\*

Industry sector is

Description (medium text) is

**Classification**

Search Active Data Only: ☐

Fuzzy Search: ☐

Maximum Number of Results: 100

Save Search As:

Search Clear Entries Reset to Default

**Result List: 32 materials found**

View: em

New Copy Mass Change Multi-Processing Change Document Replication Status Replicate

P...	Material	Description	Material Type	Base UoM	Product Hierarchy	Lab/Office	Basic Material	Authorization Group
	P-100214-01	p-100214	HALB	EA 01		002		
	P-110214-01	p-110214	HALB	EA 01		002	SEA_BASIC_MAT_02	
	P-111113	P-111113 Materialv...	HALB	EA				
	P-111213-01	P-111213-01	NOCL	KG				
	P-120413	P-120413	HALB	EA				
	P-120413-01	P-120413-01	HALB	EA				
	P-121213	P-121213	NOCL	KG				

**Multiple Processing for Material Planning Data**

Save Submit Cancel Edit Process Change Request Check

**Change Request** Edit

**General** Notes Attachments

**General Data**

Change Request ID: 138667

Description: Change Material Data

Priority: Medium

Due Date: 28.02.2014

Reason:

**Process Data**

Status: Changes to Be Executed

Current WorkItem: New Change Request

Created On/By: 25.02.2014 12:56:53 Elke

Changed On/By: 25.02.2014 12:59:17 Elke

**Materials**

Find and Replace Highlight Changes

Staging	Material	Material type	Industry sector	Base Unit of Measure	Material Group	X-plant mat status	Valid from
	P-100214-01	HALB	M	EA	01	01	
	P-110214-01	HALB	M	EA	01	01	
	P-111113	HALB	M	EA	01		
	P-111213-01	NOCL	M	KG	01		
	P-120413	HALB	M	EA	01		
	P-120413-01	HALB	M	EA	01	01	
	P-121213	NOCL	M	KG			

**Planning**

Find and Replace Highlight Changes

Staging	Material	Plant	MRP Type	MRP group	SchedMargin key	Lot size	Fixed lot size	Minimum Lot Size	Maximum Lot Size	MRP controller
	P-100214-01	0001	PD		000	EX	0,000	0,000	0,000	002
	P-110214-01	0001	PD		000	EX	0,000	0,000	0,000	002

The multiple-record processing function enables you to use the following features:

- **Streamlined Processing**  
Multiple records can be updated without creating a separate mass change request before beginning processing. The service can be accessed directly from the material search function.
- **Entity Pre-Selection**  
A multiple-record processing change request automatically includes entities from the related data model, thereby speeding up the creation process. Depending on the MDG application you are using, BC sets are available with pre-configured scenarios for material.
- **UI Options**  
The multiple-record processing UI enables you to use a find and replace feature, to copy data to selected rows, and to highlight rows with identical values.
- **Color Coding**  
The multiple-record processing UI offers color coding to facilitate easy identification of material fields and values changed in the current change request.

For more information, see the How-To Guide: <https://www.sap.com/documents/2015/07/74462b56-5b7c-0010-82c7-eda71af511fa.html>

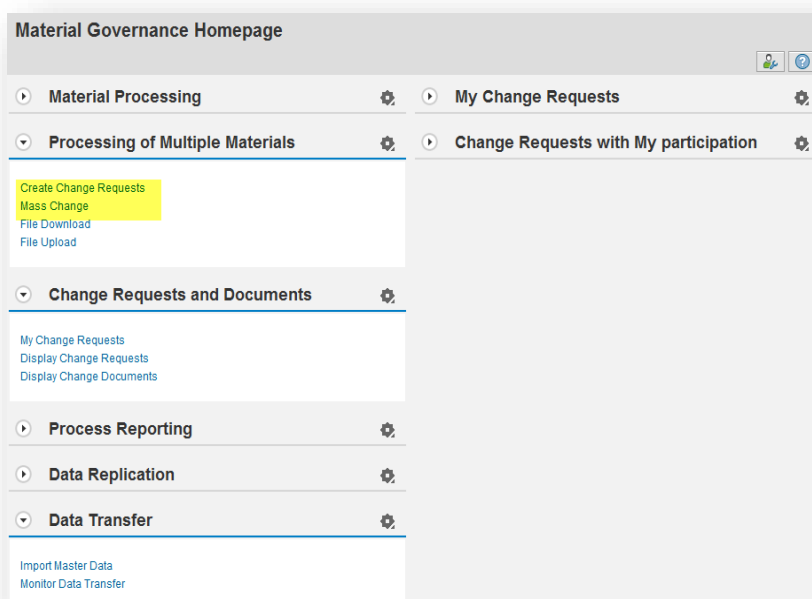
## 5.4. Mass Change (Staging)

### Use case:

You want to change data from one value to another for many material master records in one change request. The data to be changed is on entity type 1 *Material*.

### Solution:

You can use a change request type with business activity *MATA* and the *Mass Change* function in MDG. The data must be on entity type 1 *Material* and selected materials must not be in other in-process change requests.



### Create Change Request

Create one change request and do not assign materials to it.

### Mass Change

Start the mass change and select your relevant materials using the *Define Selection* and *Refine Selection* steps. Then replace one or more fields with one dedicated value. You can review the results and then execute the change.

Mass Change Material: Step 2 (Refine Selection)

< Previous

Next >

Execute Changes

Close

1

2

3

4

Define Selection

Refine Selection

Define Values

Check and Execute

Scope of Selection

Print Version

Export

Delete Row

Reselect Data According to Selections

Descriptions

Material	Description
P-100	P-100
P-1000	P-1000
P-100114-01	
P-100214-01	p-100214
P-100214-02	P-100214-02
P-100214-03	P-100214-03
P-110	P-110
P-1100	P-110
P-110214-01	p-110214

Mass Change Material: Step 3 (Define Values)

< Previous

Next >

Execute Changes

Close

1

2

3

4

Define Selection

Refine Selection

Define Values

Check and Execute

Changeable Attributes

Attribute	Replace With
Authorization Group	EM
Old material number	PUMP
Int. material number	
Width	

Mass Change Material: Step 4 (Check and Execute)

< Previous

Next >

Execute Changes

Close

1

2

3

4

Define Selection

Refine Selection

Define Values

Check and Execute

You want to make the following changes:

Entity Type

Entity Type: Material

Changes

Attribute	Replace With
AGrp	EM
Old material no.	PUMP

Data To Be Changed

Material	Description	AGrp	Old material no.
P-100	P-100	EM	EM-100
P-1000	P-1000	EM	EM-100
P-100114-01			
P-100214-01	p-100214		
P-100214-02	P-100214-02		
P-100214-03	P-100214-03		
P-110	P-110		
P-1100	P-110		
P-110214-01	p-110214		
P-111014		EM	EM-111014

## 5.5. SAP MDG, Mass Processing

### Use cases:

- You want to change various data with or without governance for many materials using the Fiori UI.
- You want to change various data with or without governance for many materials using offline spreadsheet files.
- You want to enhance materials with or without governance with additional material descriptions, classification, dimensions, or organizational data using offline spreadsheet files.

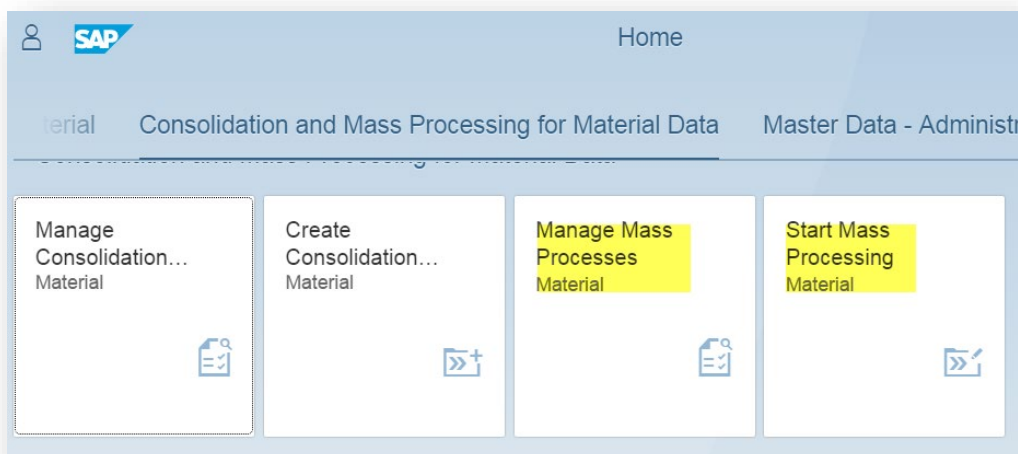
### Solution:

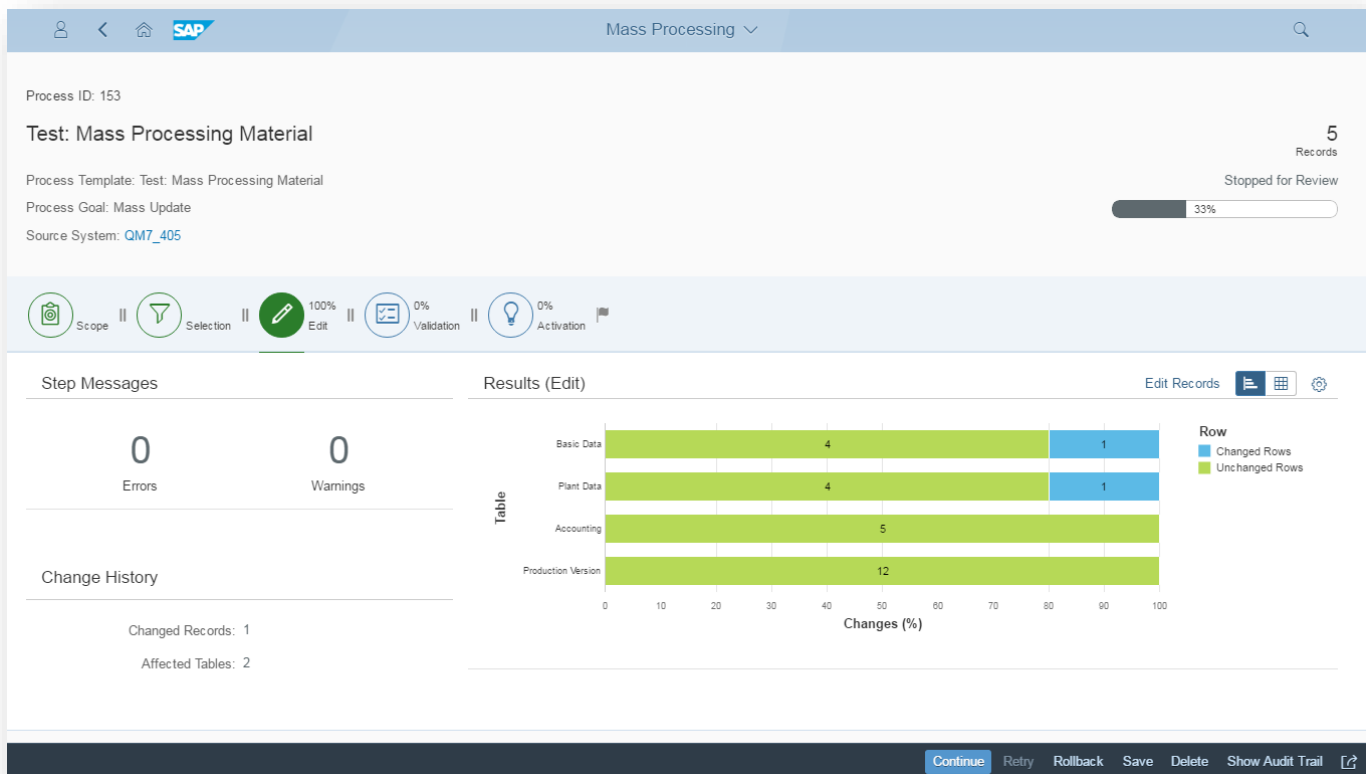
Mass processing enables you to update multiple master data records at one time. This function is available as of MDG 9.0 for the material master, business partner (including customer and vendor), and custom object domains. You can access this function through the *Start Mass Processing* and *Manage Mass Processes* tiles in the SAP Fiori launchpad.

To update records, you select the fields and records you want to change. The system then displays a list of fields to change based on your selection. Once you enter your changes, the system provides statistics on the changed fields and validates the data. You check the validated data and then activate it. Activation copies the data from the staging area to active memory, enabling the system to use it in business transactions.

You can use mass processing with or without Master Data Governance, Central Governance. If you use Central Governance, you can choose to use the change request and validation features.

You can use capabilities of offline spreadsheet files to change or enhance material data. In combination with the Fiori app *Export Master Data* (available as of MDG 9.2 or S/4HANA 1809), you can easily download the existing data. Using the file, you can change or enhance the data. This file can be imported into a mass process. Action codes C for copy and I for insert can be used to create plant assignments.





Results

Standard

Show Filter Bar

Filters

Go

5 Overview

5 Basic Data

5 Plant Data

12 Production Version

5 Accounting

Records (5 of 5)

Replace Values (5)

Clear Fields (5)

<input checked="" type="checkbox"/>	Material	Plant	DF plant level		Valuation Cat.		Batches		P-S matl status		Valid from		ABC Indicator	
			Old	New	Old	New	Old	New	Old	New	Old	New	Old	New
<input checked="" type="checkbox"/>	P-160816	0001		<input type="checkbox"/>		<input type="text"/>		<input type="checkbox"/>		01 <input type="text"/>		dd... <input type="text"/>		<input type="text"/>
<input checked="" type="checkbox"/>	P-160816-01	0001		<input type="checkbox"/>		<input type="text"/>		<input type="checkbox"/>		<input type="text"/>		dd... <input type="text"/>		<input type="text"/>
<input checked="" type="checkbox"/>	P-160816-02	0001		<input type="checkbox"/>		<input type="text"/>		<input type="checkbox"/>		<input type="text"/>		dd... <input type="text"/>		<input type="text"/>
<input checked="" type="checkbox"/>	P-160816-03	0001		<input type="checkbox"/>		<input type="text"/>		<input type="checkbox"/>		<input type="text"/>		dd... <input type="text"/>		<input type="text"/>
<input checked="" type="checkbox"/>	P-160816-04	0001		<input type="checkbox"/>		<input type="text"/>		<input type="checkbox"/>		<input type="text"/>		dd... <input type="text"/>		<input type="text"/>

For more information, see the following links:

SAP Help: <https://help.sap.com/viewer/db97296fe85d45f9b846e8cd2a580fbd/LATEST/en-US/0c490c57a99c104ce1000000a4450e5.html>

PPT on SDN: <http://go.sap.com/documents/2016/06/16148af5-797c-0010-82c7-eda71af511fa.html>

Extensibility Guides: <https://community.sap.com/topics/master-data-governance/how-to#consolidation-and-mass-processing>



## 5.6. Data Import Framework (Staging/Active Area)

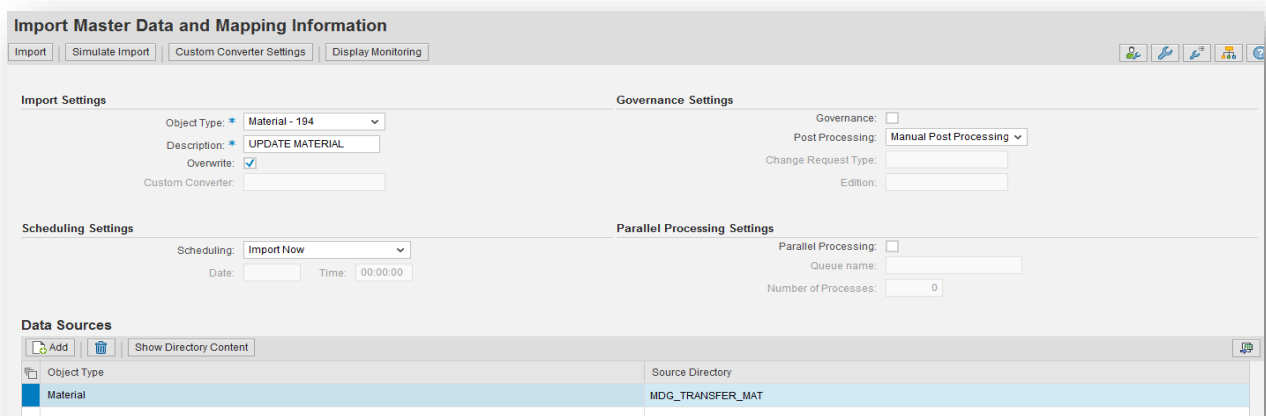
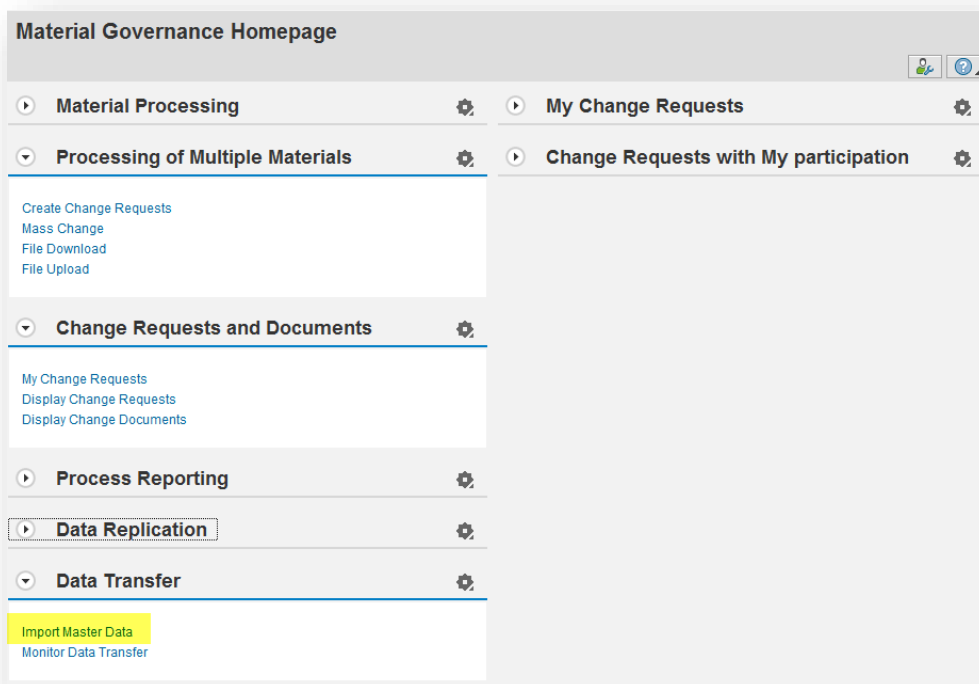
### Use case:

You want to import files containing material and classification data into the *Master Data Governance* system. The data from these files should update existing master data records using the *Import Master Data* service.

### Solution:

You can use the *Import Master Data* service to import files.

It is possible to use the data import framework to update the active area. As of MDG 7.0 and SAP Notes 2045848 and 2035892, you can also update the staging area.



## 5.7. SOA Product Service Inbound ProductMDMBulkReplicateRequest (Staging/Consolidation/Active Area)

### Use case:

Your source system can create SOA messages. You may need to update materials in the MDG staging or active area or create a consolidation process. By making a specific DRF setting in Customizing, you can define that a change request is created automatically when an SOA Product service is received (`ProductMDMBulkReplicateRequest`). It is also possible to trigger a consolidation process or post directly to the active area.

### Solution:

Use Service Inbound ProductMDMBulkReplicateRequest as of S/4HANA 1909.

If the material exists already, the default change request type for the new business activity `MATU` with logical action `CHANGE_DX` is used.

If multiple materials are sent, the default change request type for the new business activity `MATB` with logical action `LOAD` is used.

For more information, see *Define Technical Settings for Business Systems: Implications* ([https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/98ef43a592b241db908ada984e9da14a.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/6d52de87aa0d4fb6a90924720a5b0549/98ef43a592b241db908ada984e9da14a.html) ).

Change View "Define Bus. Systems, BOs, Communication Channel": Overview

Business System: QKB\_421  
Bus. Obj. Type: 194  
Description: Product

Define Bus. Systems, BOs, Communication Channel						
C. Channel	Key Ham.	Upd. KM	Storage	Cr Template	Ch Template	ReL...
<input type="checkbox"/> 1 Replication via Services	<input checked="" type="checkbox"/> 1 Harmonized IDs	<input type="checkbox"/>	1 Staging Area	SAP_MM_CON SAP: Consolidate Product Data	Do not use consolidation	<input type="checkbox"/>

## MDG-M: Enable MDG Governance for Inbound Product SOAP

MDG-M: Enable MDG Governance for Inbound Product SOAP	Release	S/4HANA 1909
---	---------	--------------

As a master data steward I want to follow up on the CR which was created using SOA Service (ProductMDMBulkReplicateRequest).

Solution: According to a specific DRF customizing a Change Request is automatically created, if a SOA service is received. It is also possible to trigger a Consolidation process or directly posting to the active area.

- If the material doesn't exist yet, the default Change Request Type for the new Business Activity MATI with logical action CREATE\_DX is used.
- If the material exists already, the default Change Request Type for the new Business Activity MATU with logical action CHANGE\_DX is used.
- If multiple material are send, the default Change Request Type for the new Business Activity MATB with logical action LOAD is used.

The new Business Activities MATI and MATU and new the Change Request Types MATL0I (SOAP Product Inbound: Create Material) and MATL0U (SOAP Product Inbound: Change Material) are delivered with BC set MDGM\_MDG\_MATERIAL\_CR\_SOAP\_09.

Follow the configuration guide to set up the system.

<https://help.sap.com/viewer/6d52de87aa0d4fb6a90924720a5b0549/latest/en-US/898c097752f44fa089c4e5f37e2cfc23.html>

You can see the scope of the service in S/4HANA 2020 and S/4HANA 1909 here:

<https://help.sap.com/viewer/18fe3fab96864826bfa0be0de4f65b85/latest/en-US/43455397a1be4b47bd499a2c20fba603.html>

## 5.8. Back-end Mass Maintenance MM17 (Active Area)

### Use case:

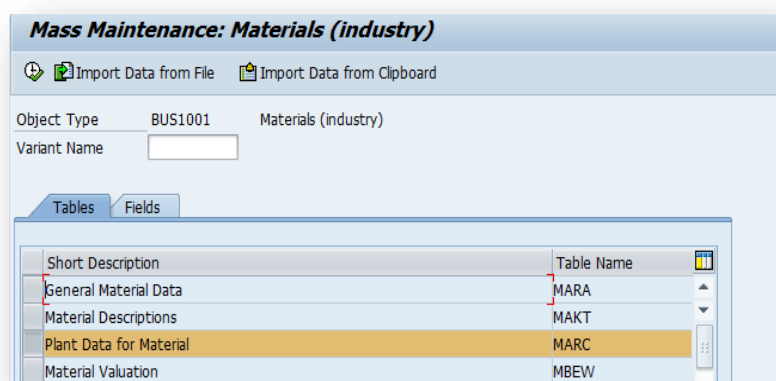
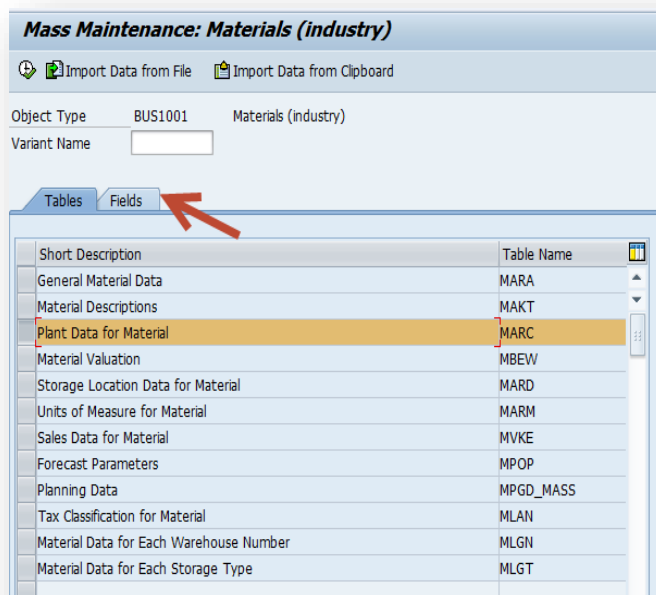
You want to change data without governance. You want to change data from one value to another for many material masters.

### Solution:

You can use back-end transaction MM17.

### Note:

Materials changed using this transaction should not be locked in change requests, as activation of a change request might overwrite changes done by MM17 (due to the snapshot comparison).



**Mass Maintenance: Materials (industry)**

Import Data from File
 Import Data from Clipboard

Object Type: BUS1001 Materials (Industry)  
 Variant Name:

Tables Fields

Description	Fld name
Ind. Std Desc.	MARA-NORMT
Lab/Office	MARA-LABOR
Purch.value key	MARA-EKWSL
Gross weight (MARA-B	MARA-BRGEW
Net weight	MARA-NITGEW
Weight unit (MARA-GE	MARA-GEWEI
Volume (MARA-VOLUM)	MARA-VOLUM
Volume unit (MARA-VO	MARA-VOLEH
Container	MARA-BEHVO
Stor.conditions	MARA-RAUBE
Temperature	MARA-TEMPB
Trans. Group	MARA-TRAGR
Haz. matl no.	MARA-STOFF
Division	MARA-SPART
Comptitor	MARA-KUNNR

**Mass Maintenance: Materials (industry)**

Get variant

☒ Data Records to Be Changed
 ☒ Data Records to Be Created

☐ Do Not Change Existing Data  
 Restrict Data Records to Be Changed

Material:  To:    
 Plant:  To:

**Mass Maintenance: Materials (industry)**

Restrictions
 Old Values

☒ General Material Data
 ☐ Plant Data for Material

10 Entries

Material	Description (MAKT-MA)	L...	D...
New Values		002	02
P-100	P-100	001	01
P-1000	P-1000	001	01
P-100214-01	p-100214		
P-110	P-110		
P-1100	P-110		
P-110214-01	p-110214	001	
P-170513-01	P-170513-01		
P-170613-01	P-170613-01		
P-180613-02	P-261101-01		
P-181212	p-181212	001	01

## 5.9. Back-end Functions Direct Input/ALE (Active Area)

### Use case:

You want to transfer material changes from other systems and want to change the complete material master in the active area.

### Solution:

Use a custom program for direct input or BAPI, or use ALE.

You can transfer materials:

- 
- **Using direct input**  
The preferred way is to use direct input method or a user-created program with a BAPI. See this information sheet on transferring material master data (Industry):

<https://help.sap.com/viewer/92fcb4b877842928f841e778cd7aa37/LATEST/en-US/0118bf53d25ab64ce10000000a174cb4.html>

Available BAPIs:

- - BAPI\_MATERIAL\_SAVEDATA Create and Change Material Master Data
  - BAPI\_MATERIAL\_SAVEREPLICA BAPI for Mass Maintenance of Material Data
- **Using Application Link Enabling (ALE)**

You can find a detailed description of ALE, including supported functions and the procedure under [Transfer and Distribution of Material Master Data \(https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/f7ddfe4caca43dd967ac4c9ce6a70e4/6214c453f57eb44ce10000000a174cb4.html\)](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/f7ddfe4caca43dd967ac4c9ce6a70e4/6214c453f57eb44ce10000000a174cb4.html)

Check the following components at the bottom of that topic:

- - BC – ALE Implementation and Administration
  - BC – ALE Introduction
  - Creating Material Master Data
  - Distributing Material Master Data
  - ALE Programming Guide
  - Master Data Distribution
- 
- **Using Legacy System Migration Workbench**  
You can find a detailed description of the LSMW under the following links:  
[https://help.sap.com/docs/SAP\\_NETWEAVER\\_750/f6a2c35cb0dd4900ad16d735f1415331/4dafeb6ad8f66d57e10000000a42189e.html](https://help.sap.com/docs/SAP_NETWEAVER_750/f6a2c35cb0dd4900ad16d735f1415331/4dafeb6ad8f66d57e10000000a42189e.html)  
<https://wiki.scn.sap.com/wiki/pages/viewpage.action?pageId=2739>
- **SAP S/4HANA Migration Cockpit**  
See SAP Help [https://help.sap.com/docs/SAP\\_S4HANA\\_ON-PREMISE/29193bf0ebdd4583930b2176cb993268/a4d4119a2cc9448a98e5d17e6dd0eac4.html](https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/29193bf0ebdd4583930b2176cb993268/a4d4119a2cc9448a98e5d17e6dd0eac4.html)

## 6. Additional Information

### 6.1. Further Reading

#### 6.1.1. Information on SAP MDG on SAP S/4HANA

- Exchange knowledge: [SAP Community](#) | [Q&A](#) | [Blog](#)
- Try SAP Master Data Governance on S/4HANA for free: [Trial Version](#)
- Try SAP Master Data Governance on S/4HANA on the SAP Cloud Appliance Library: [S/4HANA 2022 FPS1](#)
- Learn more: [Latest Release](#) | [Help Portal](#) | [How-to Information](#) | [Key Presentations](#)

#### 6.1.2. SAP Roadmap Explorer

- Please see the [roadmap for SAP Master Data Governance](#)

#### 6.1.3. Related Information

- Learn more: [Floorplan Manager for Web Dynpro ABAP](#) | [How to Adapt FPM](#) | [FPM Blog](#) | [How-to Information](#) | [Service Mapping Tool](#) | [SAP S/4HANA Cookbook CVI](#)

### 6.2. SAP Notes

In addition to the detailed explanations written in this document, please see the following SAP Notes for further important information.

Note	Description
<a href="#">3372801</a>	Upgrade or Conversion for Master Data Governance, Central Governance
<a href="#">3043582</a>	MDG Customer Connection 2020
<a href="#">3194967</a>	MDG Customer Connection 2021 for S/4HANA 2022
<a href="#">3311039</a>	MDG Customer Connection 2023
<a href="#">3428179</a>	Master Data Governance: Continuous Influence
<a href="#">3134600</a>	MDG-M: Supported fields in Data Model MM
<a href="#">1806108</a>	Functional restrictions in MDG-M in MDG7 (incl. SP02)
<a href="#">2129261</a>	Functional restrictions in MDG-M in MDG8
<a href="#">2284745</a>	Functional Restrictions in MDG for Material with SAP Master Data Governance 9.0

<a href="#">2461516</a>	Functional Restrictions in MDG for Material with SAP Master Data Governance 9.1
<a href="#">2656693</a>	Functional Restrictions in MDG for Material in SAP Master Data Governance 9.2 and on SAP S/4HANA 1809
<a href="#">2816571</a>	Functional Restrictions in MDG for Material on SAP S/4HANA 1909
<a href="#">2948873</a>	Functional Restrictions in MDG for Material on SAP S/4HANA 2020
<a href="#">3070012</a>	Functional Restrictions in MDG for Material on SAP S/4HANA 2021
<a href="#">3219945</a>	Functional Restrictions in MDG for Material on SAP S/4HANA 2022
<a href="#">3374998</a>	Functional Restrictions in MDG for Material on SAP S/4HANA 2023
<a href="#">2479869</a>	Usage of Lean Classification with SAP Master Data Governance
<a href="#">1619534</a>	How to Create, Enhance and Adapt FPM Applications
<a href="#">1637249</a>	MDG: Information for efficient message processing
<a href="#">2105467</a>	MDG Performance
<a href="#">2561461</a>	Scope of support for SAP Master Data Governance (MDG)
<a href="#">1637249</a>	MDG: Information for efficient message processing