



Master Guide | PUBLIC  
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# SAP Master Data Governance Master & Upgrade Master Guide for MDG 8.0

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# 1 Getting Started

## 1.1 About this Document

This Master Guide is the central starting point for the technical implementation of business processes for SAP Master Data Governance 8.0.

This Master Guide provides an overview of processes in SAP Master Data Governance and related software units from a technical perspective. You can use this guide as a planning tool to help you design your system landscape.

## 1.2 Related Information












### 1.2.1 Related Guides

Content	Location on SAP Help Portal
ERP EhP7 Master Guide	<a href="#">SAP Help Portal</a> > <a href="#">SAP ERP</a> >> <a href="#">SAP ERP 6.0 Enhancement Package 7</a> > <a href="#">Installation and Upgrade</a> > <a href="#">Master Guide</a> >
MDG 8.0 Operations Guide	<a href="#">SAP Help Portal</a> > <a href="#">SAP Master Data Governance</a> > <a href="#">SAP Master Data Governance Product Page</a> > <a href="#">Version: 8.0</a> > <a href="#">Operations</a> > <a href="#">Application Operations Guide</a> >
MDG 8.0 Configuration Guides	<a href="#">SAP Help Portal</a> > <a href="#">SAP Master Data Governance</a> > <a href="#">SAP Master Data Governance Product Page</a> > <a href="#">Version: 8.0</a> > <a href="#">Configuration</a> >
MDG 8.0 Security Guide	<a href="#">SAP Help Portal</a> > <a href="#">SAP Master Data Governance</a> > <a href="#">SAP Master Data Governance Product Page</a> > <a href="#">Version: 8.0</a> > <a href="#">Security</a> >

## 1.3 Important SAP Notes

You must read these SAP Notes before you start the installation or upgrade. These SAP Notes contain the most recent information on the upgrade, as well as corrections to the upgrade documentation. Make sure

that you have the up-to-date version of each SAP Note, which you can find on SAP Service Marketplace at [service.sap.com/notes](https://service.sap.com/notes).

SAP Note Number	Title	Description
<a href="#">2143428</a> 	SAP Master Data Governance 8.0 Consulting Note	SAP Consultant Note
<a href="#">2142348</a> 	Master Data Governance 8.0 Release Information Note	Release Information Note
<a href="#">1995680</a> 	SAP Fiori for SAP MDG 1.0	Release Information Note
<a href="#">2143179</a> 	UI for MDG, Consolidation	Release Information Note
<a href="#">2214181</a> 	SAP Master Data Governance 8.0 and SAP S/4HANA On-Premise	Release Information Note
<a href="#">1690202</a> 	MDG & Industry Solutions	SAP Consultant Note
<a href="#">2143725</a> 	Add-On SAP MDG 8.0 on SAP ERP 6.0 EHP7	Installation Information
<a href="#">1685823</a> 	Release Strategy for SAP Master Data Governance	Release Planning Information
<a href="#">2078099</a> 	Release Strategy for SAP Master Data Governance, enterprise asset management extension by Utopia	Release Planning Information
<a href="#">2143334</a> 	SAP Master Data Governance 8.0 Browser	Release Planning Information
<a href="#">2105467</a> 	MDG Performance	Performance

# 2 SAP Master Data Governance: Installation and Upgrade Overview

## 2.1 Introduction

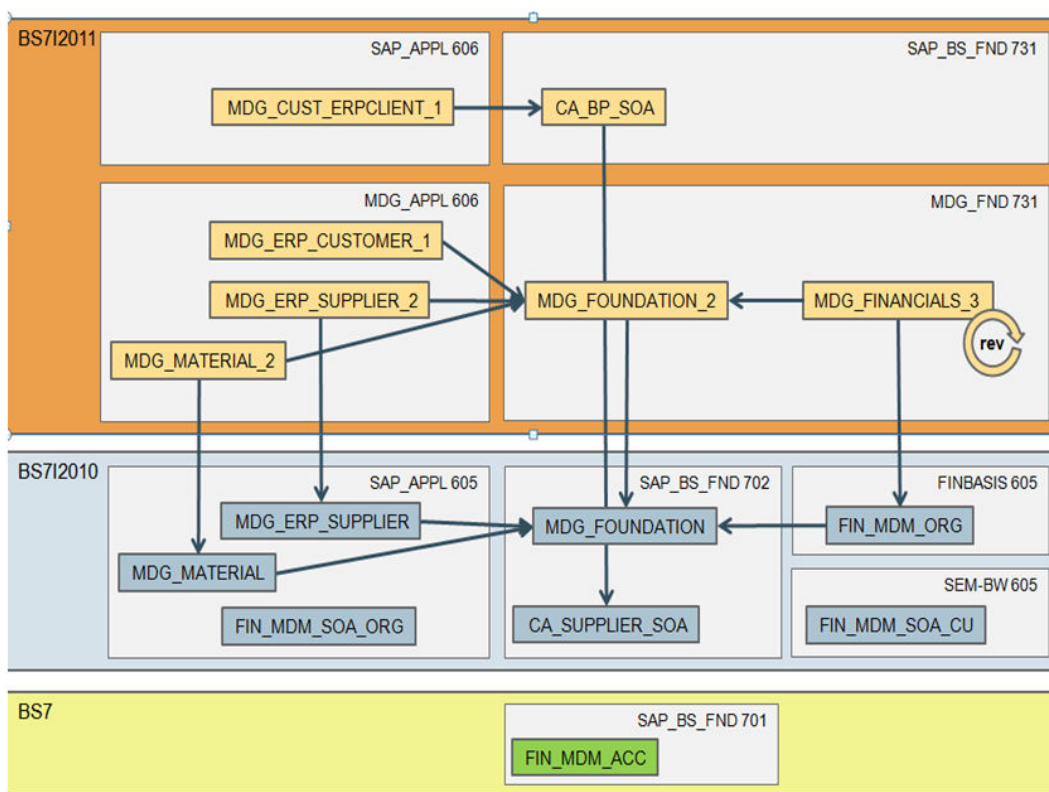
Before you activate the MDG business functions, ensure that you have the administration authorization for MDG. The required authorization objects are delivered with the authorization role `SAP_MDG_ADMIN`. In transaction `PFCCG`, we recommend creating a copy of this role and assigning the relevant authorization values. For the authorization object `USMD_DM` Data Model you need to assign the values for the authorization field `USMD_MODEL` Data Model (for example `MM`, `BP`, or `OG`) and the values for the authorization activity `ACTVT` Activity (for example *01: Create or generate*, or *02: Change*).

The following business functions are available with EhP6:

- Master Data Governance, Generic Functions 2 (`MDG_FOUNDATION_2`)  
This business function provides you with enhanced basic features for data modeling, process enhancement and configuration, analytics, and data replication framework and transfer.
- Master Data Governance for Supplier on Hub (ERP) (`MDG_ERP_SUPPLIER_2`)  
This business function extends the business function **Master Data Governance for Supplier** (`MDG_ERP_SUPPLIER`) and enables you to govern supplier master data and to replicate the supplier master data to a variety of different business systems.
- Master Data Governance for Customer (`MDG_ERP_CUSTOMER_1`)  
This business function enables you to govern customer data and to replicate the customer master data to different client systems.
- Business Foundation: Services for Business Partner (`CA_BP_SOA`)  
This business function allows you to activate a number of BADIs to override the standard mapping with customer specific mapping of the supplier and customer replication services. The BADIs are available for Master Data Governance for Supplier and Master Data Governance for Customer.
- Master Data Governance for Customer on Client (ERP) (`MDG_CUST_ERPCLIENT_1`)  
This business function provides features for decentralized customer master data governance. It enables you to search and compare corresponding data on the hub system, before creating or changing customer master data on a client system. If the customer data is not already available on the client you can copy the customer master data from the hub system to the client system. This data afterwards can be edited in the client system. Though there is no technical dependency, the business function **Master Data Governance for Customer on Client (ERP)** is intended to be used in combination with the business function **Master Data Governance for Customer** (`MDG_ERP_CUSTOMER_1`) on the MDG hub system.
- Master Data Governance for Financials on Hub (`MDG_FINANCIALS_3`)  
This business function provides features to establish a governance process for financial master data. New features include Importing Company Data, SOA Services for Consolidation Systems, Integration with Financial Shared Service Center, and remote where-used list allowing you to search for entity types in your attached remote system.
- Master Data Governance for Material 2 (`MDG_MATERIAL_2`)

This business function allows you to improve the governance process for your material master data, providing a more flexible user interface, support for the classic workflow template, support for long material numbers, and change management for classification data.

The following graphic shows the dependencies for MDG business functions between EHP4 of SAP ERP 6.0, EHP5 of SAP ERP 6.0, and EHP6 of SAP ERP 6.0:



#### Dependencies for MDG business functions between EHP4, EHP5 and EHP6

If you want to use MDG-C and MDG-S at the same time, you must upgrade both applications to EhP6. This means you must activate the following business functions:

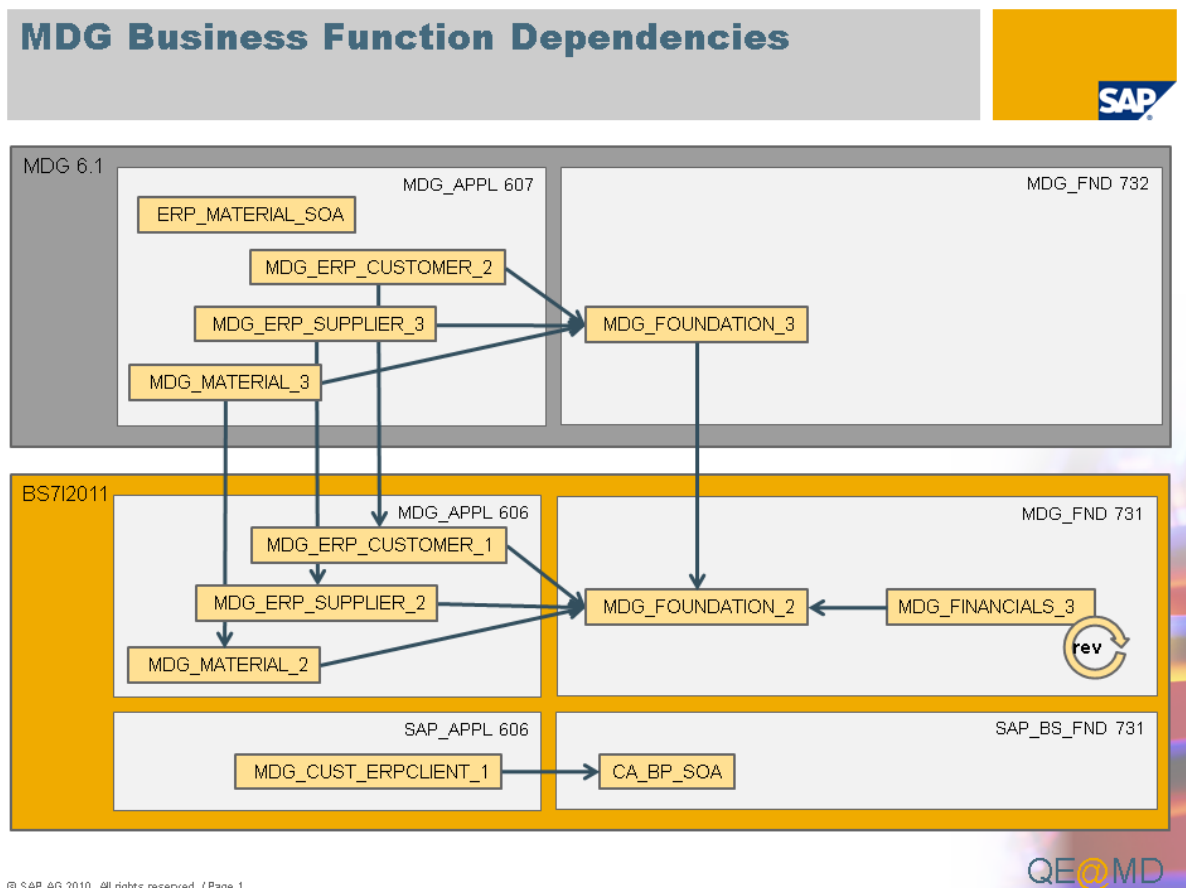
- MDG\_ERP\_CUSTOMER\_1
- MDG\_ERP\_SUPPLIER
- MDG\_ERP\_SUPPLIER\_2

The following business functions are available with SAP Master Data Governance 6.1:

- Master Data Governance, Generic Functions 3 (MDG\_FOUNDATION\_3)  
This business function provides you with features for governance scope, block list, and data quality remediation.
- Master Data Governance for Supplier 6.1 ( MDG\_ERP\_SUPPLIER\_3)  
This business function enables you to govern supplier data and to replicate the supplier master data to different client systems. In comparison to the predecessor business function MDG\_ERP\_SUPPLIER\_2 additional tables of the data model for supplier are taken into account.

- Master Data Governance for Customer 6.1 ( MDG\_ERP\_CUSTOMER\_2)  
This business function enables you to govern customer data and to replicate the customer master data to different client systems. In comparison to the predecessor business function MDG\_ERP\_CUSTOMER\_1 additional tables of the data model for customer are taken into account.
- Master Data Governance for Material 3 (MDG\_MATERIAL\_3)  
This business function updates the MM data model to add the process controlling data needed for Material Requirements Planning (MRP), Purchasing, Storage data on plant level, Sales and Accounting in addition to the already existing Basic Data and Classification.
- Master Data Governance for Material Services (Reversible)  
This business function provides SOA services to create/change material in MDG by Change Request (Inbound).

The following graphic shows the dependencies for MDG business functions between EHP6 of SAP ERP 6.0 and SAP Master Data Governance 6.1:



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Dependencies for MDG business functions between EHP6 and MDG 6.1

The following business functions are available with SAP Master Data Governance 7.0:

- Master Data Governance, Generic Functions 7.0 (MDG\_FOUNDATION\_4)  
This business function provides you with features for parallel change requests, flexible edition management, multiple-record processing, enhanced usability in single-object processing and searching, and SAP HANA-based search.
- Master Data Governance for Business Partner 7.0 (MDG\_BUPA\_1)

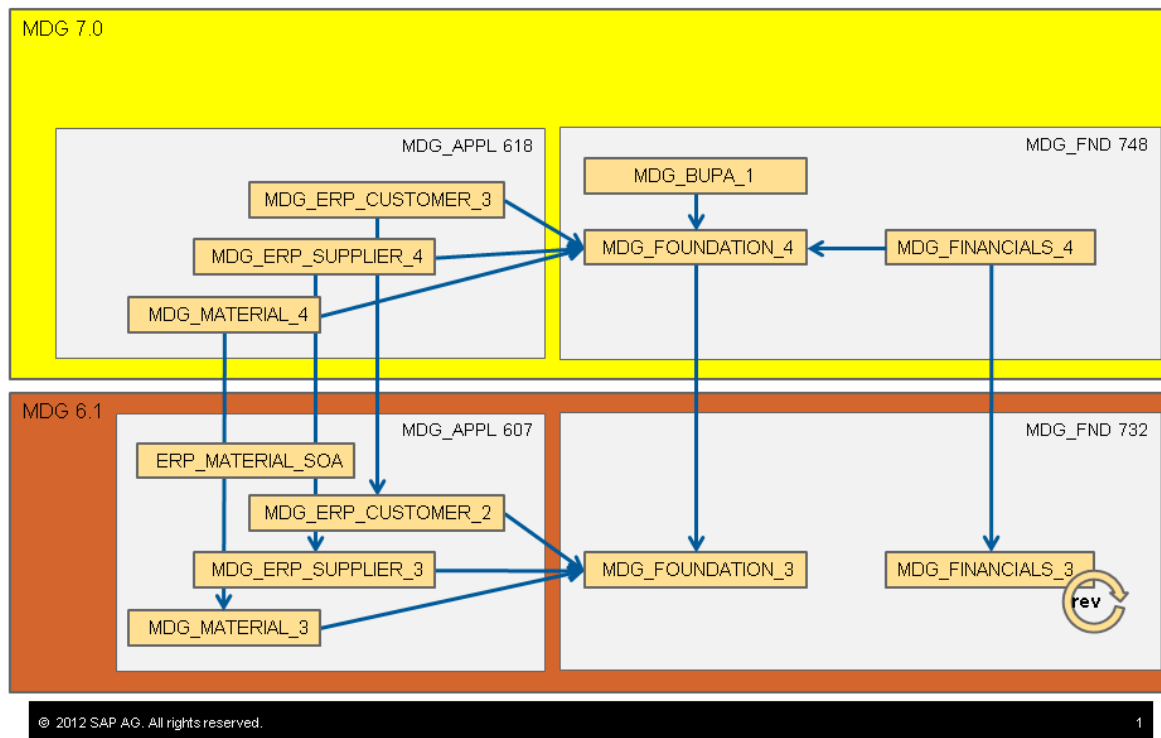
This business function enables you to govern business partner data and to replicate the business partner master data into different client systems. The *Master Data Governance for Business Partner 7.0* business function offers a central work center, business partner categories, extensibility of the data model, governance scope, import of master data, search, data cleansing and merging, change requests, single object processing, staging area, data quality services, authorization check, automated distribution, and key and value mapping.

- **Master Data Governance for Supplier 7.0 ( MDG\_ERP\_SUPPLIER\_4)**  
This business function enables you to govern supplier data and to replicate the supplier master data to different client systems. The *Master Data Governance for Supplier 7.0* business function offers one-step creation of relationships, data cleansing and merging, SAP HANA search, and using IBAN for bank details.
- **Master Data Governance for Customer 7.0 ( MDG\_ERP\_CUSTOMER\_4)**  
This business function enables you to govern customer data and to replicate the customer master data to different client systems. The *Master Data Governance for Customer 7.0* business function offers list features, one-step creation of relationships, and enhanced CRM integration.
- **Master Data Governance for Material 7.0 (MDG\_MATERIAL\_4)**  
This business function provides a multiple-record processing function for material, DMS integration, an enhanced search results list with a display and navigation options, an extended data model, and enhanced print forms.
- **Master Data Governance for Financials 7.0 (MDG\_FINANCIALS\_4)**  
This business function provides new user interfaces, an enhanced data replication, an enhanced data model OG, an enhanced edition management, new initial load functionality, and changes in the work center.



The following graphic shows the dependencies for MDG business functions between SAP Master Data Governance 6.1 and SAP Master Data Governance 7.0:

## MDG 7.0 Business Function Dependencies



Dependencies for MDG business functions between MDG 6.1 and MDG 7.0

The following business functions and additional features are available with SAP Master Data Governance 7.0 Feature Pack:

- Master Data Governance, Generic Functions 7.0 Feature Pack (MDG\_FOUNDATION\_5)  
This business function provides you with features for highlighting changes, undo changes, hierarchy processing, using editions, accessing UI configurations, and SAP HANA-based search.
- Master Data Governance for Material 7.0 Feature Pack (MDG\_MATERIAL\_5)  
This business function provides a new UI for change numbers on the material level, a new UI to enable searching with a variety of search providers including SAP HANA search with and without characteristics, highlighting for changes in single-object processing, and a new BADl to define alternative filter providers for search.
- Master Data Governance for Financials 7.0 Feature Pack (MDG\_FINANCIALS\_5)  
This business function provides changeable IDs for MDG-F entity types, multi-copying for accounts in company code, one-step creation of accounts and their related primary cost elements, enhanced BCV content to display changed fields, enhanced search capabilities with an out-of-the-box integration of SAP HANA Search, and simplified user interfaces with new MDG-F Fiori applications.
- Master Data Governance for Supplier 7.0 Feature Pack (MDG\_ERP\_SUPPLIER\_5)

This business function offers the possibility to change the ERP vendor account group, IBAN without BIC, new role specific user interfaces, a link between ERP vendor and ERP customer, change request types adapted for highlight changes, and change request types for SAP Fiori.

- Master Data Governance for Customer 7.0 Feature Pack (MDG\_ERP\_CUSTOMER\_4)

This business function offers the possibility to change the ERP customer account group, template for distributed workflow, IBAN without BIC, new role specific user interfaces, a link between ERP customer and ERP vendor, change request types adapted for highlight changes, and change request types for SAP Fiori.

- Master Data Governance for Business Partner 7.0 Feature Pack (MDG\_BUPA\_2)

This business function offers IBAN without BIC, change request types adapted for highlight changes, and change request types for SAP Fiori.

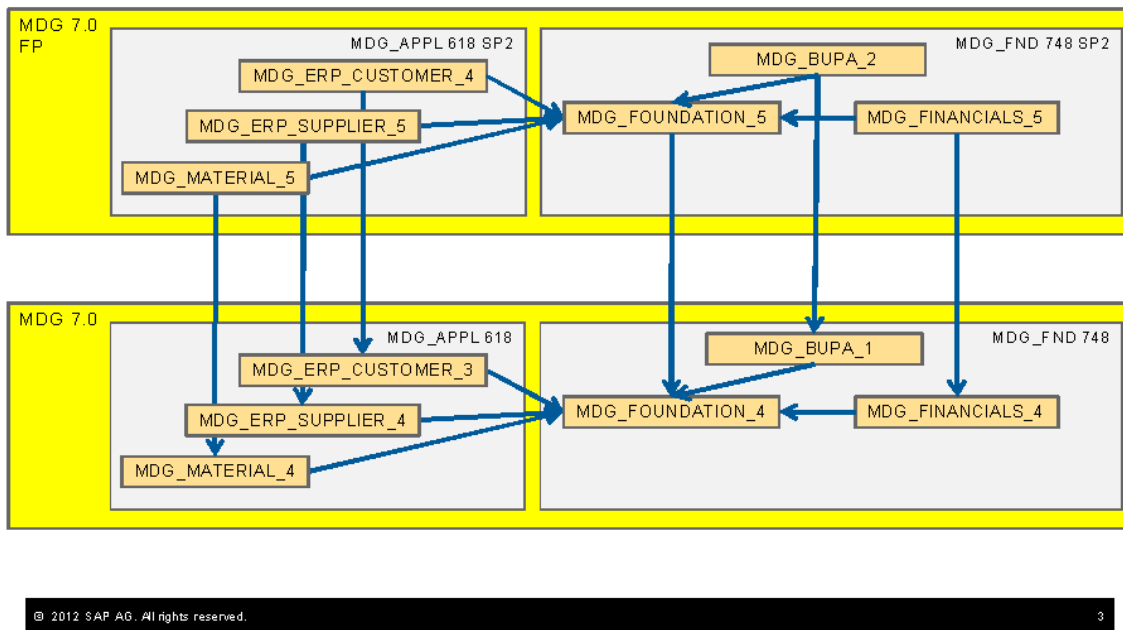
- MDG Fiori Apps

The following SAP Fiori apps are available with SAP Master Data Governance 7.0 Feature Pack:

- MDG Request Customer  
With the transactional app MDG Request Customer, you can request a new customer for an organization or person.
  - MDG Request Supplier  
With the transactional app MDG Request Supplier, you can request a new supplier for an organization or person.
  - MDG Request Business Partner  
With the transactional app MDG Request Business Partner, you can request a new business partner for an organization or person.
  - MDG Request Material  
With the transactional app MDG Request Material, you can request a new material for an organization.
  - MDG Request Cost Center  
With the transactional app MDG Request Cost Center, you can request a new cost center for an organization.
  - MDG Request Profit Center  
With the transactional app MDG Request Profit Center, you can request a new profit center for an organization.
  - MDG Track My Requests  
With the transactional app MDG Track My Requests, you can display all of your master data requests.
- SAP MDG Enablement for SAP Smart Business  
With SAP MDG enablement for SAP Smart Business you can configure an analytical dashboard for the governance process. This enables you to monitor key performance indicators (KPIs), service level agreements (SLAs), and alerts to identify deviations in processes with corresponding follow-up actions to solve issues. With Master Data Governance 7.0 Feature Pack, SAP delivers a report to generate the required views for SAP HANA which can be used for SAP Smart Business and other BI clients. For information on the configuration of MDG process analytics and on the generation of SAP HANA content in customer-owned systems, see SAP note [2005301](#).

The following graphic shows the dependencies for MDG business functions between SAP Master Data Governance 7.0 and SAP Master Data Governance 7.0 Feature Pack:

## MDG 7.0 FP Business Function Dependencies



### Dependencies for MDG business functions between MDG 7.0 and MDG 7.0 Feature Pack

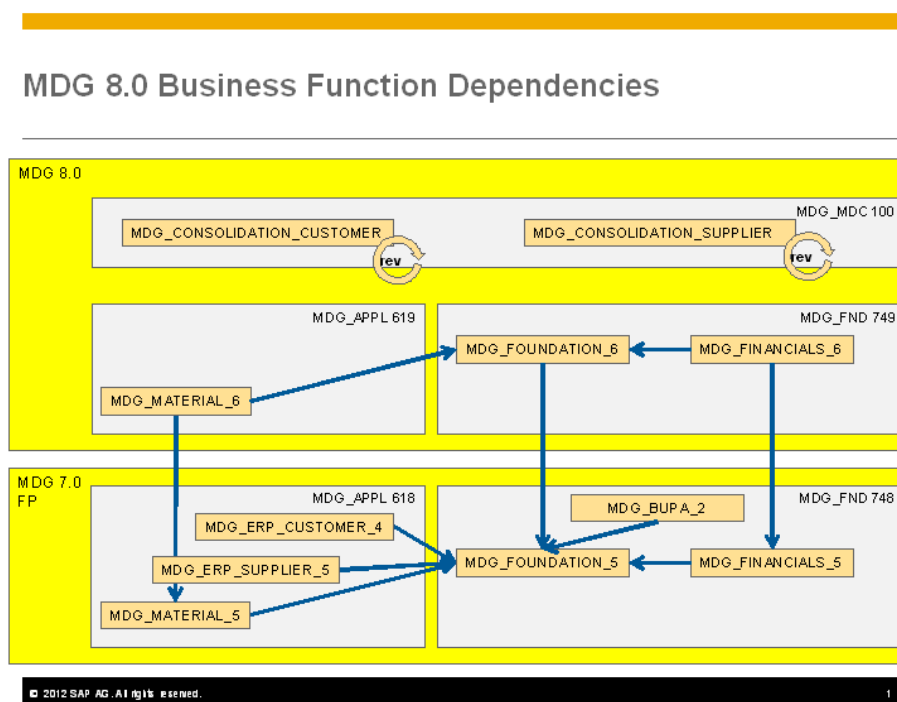
The following business functions and additional features are available with SAP Master Data Governance 8.0:

- MDG, Consolidation
  - Master Data Governance for Customer, Consolidation 8.0 (Reversible) (MDG\_CONSOLIDATION\_CUSTOMER)  
This business function enables you to consolidate your customer master data using the step types standardization, matching, best record calculation, validation, and activation. Each step type can be configured and adapted to your requirements.
  - Master Data Governance for Supplier, Consolidation 8.0 (Reversible) (MDG\_CONSOLIDATION\_SUPPLIER)  
This business function enables you to consolidate your supplier master data using the step types standardization, matching, best record calculation, validation, and activation. Each step type can be configured and adapted to your requirements.
- MDG, Central Governance
  - Master Data Governance, Generic Functions 8.0 (MDG\_FOUNDATION\_6)  
This business function provides an enhanced and simplified hierarchy management in SAP Master Data Governance. This makes the user interface more intuitive, speeds up the approval process, and offers an improved processing of multiple changes. A simplified generation of data model-specific

DataSources allows the efficient execution of analytical reports. In addition, the automatic creation of change requests for mass changes and file upload provides additional efficiency in these processes.

- **Master Data Governance for Material 8.0 (MDG\_MATERIAL\_6)**  
This business function provides enhancements to the data model and UIs for production version, quality inspection setup, MRP areas, and Material ledger. This business function also provides a new drill-down help pop-up for the product hierarchy and enhancements to the multi-record processing including language-dependent texts, form UIBBs, UI configurations, and materials/sub-objects from a change request.
- **Master Data Governance for Financials 8.0 (MDG\_FINANCIALS\_6)**  
This business function provides enhancements for the data model OG for the entity types for account, account in company code, cost center, cost element, and profit center. This business function also provides the ability to upload group accounts from SAP ERP to MDG-F as items. Additional features regarding the enhanced and simplified hierarchy management become available, when you activate the business function Master Data Governance, Generic Functions 8.0 (MDG\_FOUNDATION\_6).
- **MDG Fiori Apps**  
The following SAP Fiori apps are available with SAP Master Data Governance 8.0:
  - **Approve Master Data**  
With the transactional app Approve Master Data you can approve MDG master data change requests for new or changed master data. Once a request is submitted by requestor, it has to be approved by senior steward to create/change the master data in MDG. This app enables an approver to see the details of requested master data and approve/reject it accordingly. You can use this app for the Cost Center and Profit Center objects.
  - **Master Data Governance, Consolidation**  
With the transactional app Master Data Governance, Consolidation you can run a process to consolidate and harmonize your master data. This includes steps for standardization, matching, best-record calculation, validation, activation, and replication.
- **MDG HANA-Based Analytics**  
MDG HANA-Based Analytics provides you with queries for key roles in master data governance so that business users can analyze strategic or operational KPIs for processes on a single source of real-time information available for easy access to personalized insight to evaluate the situation in case of deviations and to trigger follow-up actions immediately.  
The scope of analytics for master data governance processes has been enhanced by linking change request data to additional data such as master data attributes (for example, material master or vendor master), change documents or SAP Business Workflow information.  
To make use of the analytical capabilities, it is required to generate the required HANA Content upfront. This can be done with the report MDG\_ANA\_HDB\_GEN\_REPO\_CONTENT or the corresponding transaction MDG\_GEN\_HBA\_CR\_EXT. The content can then be consumed by analytical reporting tools such as SAP Smart Business.

The following graphic shows the dependencies for MDG business functions between SAP Master Data Governance 7.0 Feature Pack and SAP Master Data Governance 8.0:



Dependencies for MDG business functions between MDG 7.0 Feature Pack and MDG 8.0

## 2.2 Business Processes in Solution Manager

### 2.2.1 Introduction

Solution Manager content is available for *MDG, Consolidation* and *MDG, Central Governance*.

### 2.2.2 MDG, Consolidation

#### 2.2.2.1 Introduction

Solution Manager content for *MDG, Consolidation* is available for the following business processes:

- Consolidating Master Data with MDG
  - [Organizational Area](#) ▸ [Corporate Support and Services](#) ▸ [Business Processes](#) ▸ [Consolidating Master Data with MDG](#) ▸

- Master Data Governance for Customer  
   ▶ [Organizational Area](#) ▶ [Sales](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Customer](#)  
   ▶ [Consolidate and Load](#) ▶
- Master Data Governance for Supplier  
   ▶ [Organizational Area](#) ▶ [Procurement](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Supplier](#)  
   ▶ [Consolidate and Load](#) ▶

## 2.2.2.2 Consolidating Master Data with MDG

SAP Master Data Governance, consolidation enables you to consolidate your master data using a sequence of process steps. The order of the steps as well as the behavior of each individual step type can be adapted to your requirements.

1. Initial Load
2. Standardization  
 Within the standardization, address data is enriched and normalized by the system. In addition a check ensures that a specific addresses really exists.
3. Matching  
 Within the matching, the data records to be consolidated are checked for possible duplicates. According to a configured threshold records are considered to be duplicates and are displayed as match groups in the attached match review.
4. Best Record Calculation  
 Within the best record calculation, for each match group a record is calculated. This calculation is based on certain rules.
5. Validation  
 Within the validation the consolidation checks whether the quality of a record is sufficient to meet the requirements defined in the back end system. If the quality requirements are met the data can be saved directly, in other cases corrections and data enrichment might be required.
6. Activation  
 Within the activation records are activated and thereby added to the systems active data. You can configure how the system proceeds with different types of active data.
7. Replication  
 The replication is processed according to your configuration of the replication model. The replication takes place in consolidation processes with the process goal Central Maintenance.

## 2.2.2.3 Master Data Governance for Customer, Consolidation

With [Master Data Governance for Customer, Consolidation](#) you can consolidate your customer master data using a sequence of process steps adapted to your requirements. Each individual step can be configured to meet your requirements.

## Standardization

Standardization normalizes and enriches address data. Additionally a check ensures that specific address related data, such as streets or cities correspond to existing counterparts.

## Matching

Matching checks data from various source systems and the active data for duplicates. Part of the matching is the match review to check possible duplicates.

## Best Record Calculation

Best record calculation, results in a record containing the cumulated, most valuable data for each match group that is identified by the matching. This calculation follows a well defined process based on certain rules.

## Validation

Validation checks whether the quality of a record is sufficient to meet the requirements defined in the back-end system. If the quality requirements are met data can be saved, if not corrections and data enrichment might be required.

## Activation

As the final step the Activation moves the consolidated master data from the process data to the active data. Depending on the type and state of a master data record, activation can be done directly, can be done using change requests, if you use SAP MDG, central governance in parallel, or can be prohibited.

### 2.2.2.4 Master Data Governance for Supplier, Consolidation

With *Master Data Governance for Supplier, Consolidation* you can consolidate your supplier master data using a sequence of process steps adapted to your requirements. Each individual step can be configured to meet your requirements.

## Standardization

Within the process step [standardization](#) address data is enriched and normalized by the system. In addition a check ensures that specific address related data, such as streets or cities really exist:

## Matching

Matching checks data from various source systems and the active data for duplicates. You can specify thresholds as of what accordance sets of data are considered to a match group. Part of the matching is the match review to check possible duplicates.

## Best Record Calculation

The process step best record calculation, calculates a record containing the cumulated, most valuable data for each match group that is identified by the process step matching. This calculation follows a well defined process based on certain rules.

## Validation

Within the process step validation the consolidation checks whether the quality of a record is sufficient to meet the requirements defined in the back-end system. If the quality requirements are met the data can be saved, if not corrections and data enrichment might be required.

## Activation

As the final step of the Consolidation the Activation moves the consolidated master data from the process data to the active data. Depending on the type and state of a master data record, activation can be done directly, can be done using change requests, if you use SAP Master Data Governance in parallel, or can be prohibited.

## 2.2.3 MDG, Central Governance

### 2.2.3.1 Introduction

Solution Manager content for [MDG, Central Governance](#) is available for the following applications:

- Master Data Governance for Financials  
▶ [Organizational Area](#) ▶ [Financials](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Financials](#) ▶



- Master Data Governance for Material  
   ▶ [Organizational Area](#) ▶ [Logistics](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Material](#) ▶
- Master Data Governance for Customer  
   ▶ [Organizational Area](#) ▶ [Sales](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Customer](#) ▶
- Master Data Governance for Supplier  
   ▶ [Organizational Area](#) ▶ [Procurement](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Supplier](#) ▶
- Master Data Governance for Business Partner  
   ▶ [Organizational Area](#) ▶ [Corporate Support and Services](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Business Partner](#) ▶
- Master Data Governance for Custom Objects  
   ▶ [Organizational Area](#) ▶ [Corporate Support and Services](#) ▶ [Business Processes](#) ▶ [Master Data Governance for Custom Objects](#) ▶

## 2.2.3.2 Master Data Governance for Financials (MDG-F)

The following features are available for governance of financial master data:

- **Importing Company Data**  
 You can use enterprise services to import the entity type **Company** from remote systems (such as investment management systems) into SAP Master Data Governance for Financials. You can use BADIs for data importing to do this.
- **Remote Where-Used List**  
 You can search for entity types in your attached remote system, using either the screen on the UI, or using a Business Add-In, available in the Customizing structure.
- **SOA Services for Consolidation Systems**  
 You can use an outbound service to replicate financial master data to consolidation systems such as SAP BusinessObjects Financial Consolidation, SAP BusinessObjects Planning and Consolidation, and SAP SEM: BCS.
- **Integration with SAP Shared Service Center**  
 You can create change requests for MDG-F directly from the service requests of SAP Shared Service Center.
- **New User Interfaces**  
 With MDG 7.0 we have created new financial UIs to give a uniform look and feel to MDG
- **Enhanced Edition Management**  
 With MDG 7.0 you can use enhanced edition management to improve the flexibility in how you manage editions and schedule changes to edition-based business objects.
- **Change in Work Center and New Roles**  
 With MDG 7.0 we have introduced 3 new areas in the work center – accounting, controlling, and consolidation.
- **Changeable IDs for MDG-F entity types**  
 With MDG 7.0 SAP MDG-F allows you to use a default ID for your entity types initially, with the option to change them at a later stage of the creation process.
- **Multi-copying for accounts in company code**  
 With MDG 7.0 you can now copy existing company code data to one or more company codes when you select a G/L account.

- **One-step creation of accounts and their related primary cost elements**  
With MDG 7.0 you can now create the primary cost elements that are part of the G/L account in the same process step.
- **Enhanced BCV content to display changed fields**  
With MDG 7.0 context-relevant information can be displayed in the side panel to enhance the overview of the current data record.
- **Enhanced search capabilities with an out-of-the-box integration of SAP HANA Search**  
With MDG 7.0 HANA Search methods are delivered for all MDGF objects, including freestyle search, fuzzy search, and similarity ranking.
- **Enhancements for Data Model OG**
  - With MDG 8.0 the entity types for *Account* and *Account in Company Code* have been reviewed. The entity type for *Account* remains unchanged. The entity type for *Account in Company Code* was enhanced with the following fields:
    - Accounting Clerk (BUSAB)
    - Commitment Item (FIPOS)
    - Account Managed in External System (WMETH)
    - Reconciliation Account Ready for Input (XMITK)
    - Supplement for Automatic Postings (XNKON)
  - The entity types for *Account*, *Account in Company Code*, *Cost Center*, *Cost Element* and *Profit Center* have each been enhanced with a new entity type with storage and use type 4 for storing SAP ERP audit information. This allows the *Created by* and *Created on* information to be transferred from SAP ERP systems into the central MDG system during an initial load of master data.
- **Group Accounts as Items**
  - With MDG 8.0 it is possible to upload group accounts from SAP ERP (stored in table SKA1) to MDG-F as items (entity type FSI). The replication of items to SAP ERP as group accounts is also supported.
  - The functionality includes:
    - Enhanced extraction criteria for MDMGX (Master Data Management Generic Extractor) in SAP ERP
    - Enhanced initial load functionality in MDG DIF (Data Import Framework)
    - Enhanced data replication for items

With MDG 8.0 additional features become available when you activate the business function *Master Data Governance, Generic Functions 8.0* (MDG\_FOUNDATION\_6):

- **Enhanced and Simplified Hierarchy Management**
  - For more information, see the section *Enhanced and Simplified Hierarchy Management* in *Master Data Governance, Generic Functions 8.0*.

### 2.2.3.3 Master Data Governance for Material (MDG-M)

You can improve the governance process for your material master data. MDGM includes a more flexible user interface, support for the classic workflow template, support for long material numbers, change management for classification data, an enhanced data model, additional UI building blocks (UIBB), and enterprise services.

In addition you can now change material types. SAP recommends to use the option of changing material types before replication.

## i Note

Master Data Governance for Material was intended to be used for workflow-driven, step-by-step maintenance of material data, and not to be a replacement of the material master backend transactions (MM01, MM02, and so on). Using MDG-M as a one-step material maintenance UI may lead to increased response times.

When you upgrade from EHP5 of SAP ERP 6.0 to the updated UI, you must perform all extensions previously made to the user interface again.

All UIs used for creating material and changing material have been replaced by new UIs with increased flexibility. You may need to re-implement features you implemented using the UI BAdI `USMD_UI_EVENT2` in EHP5.

When you upgrade from EHP5 of SAP ERP 6.0 or from EHP6 of SAP ERP 6.0 to MDG 6.1, check the information regarding data model enhancements in the upgrade chapter of this document.

When you upgrade from EHP6 of SAP ERP 6.0 to MDG 6.1, check the information regarding UI changes in the upgrade chapter of this document.

With MDG 7.0 the application Master Data Governance for Material offers the following features:

- **An enhanced search results list including display of organizational units and new navigation options**
- **Multiple-Record Processing for material**
- **BC sets containing navigation to support different multiple-record processing scenarios**
- **Enhancements to the data model to include warehouse management views and enhancements to the existing views**
- **DMS integration**
- **BC sets to support BCV (Business Context Viewer) content for MDG-M**
- **Enhanced print forms**
- **A new UI for change numbers on the material level**
- **A new UI to enable searching with a variety of search providers including SAP HANA search with and without characteristics**

With MDG 8.0 the application Master Data Governance for Material offers the following features:

- **Enhancements to the data model and UIs for:**
  - Production version
  - Quality inspection setup
  - MRP areas
  - Material ledger
- **New drill-down help pop-up for product hierarchy**
- **Enhancements to multi-record processing including:**
  - The ability to change language-dependent texts
  - The ability to use form UIBBs
  - Extended UI configurations
  - The ability to add, copy, remove, and discard materials/sub-objects from a change request
  - The ability to copy multiple materials with sub-objects when navigating from the search UI to an application based on the multiple record processing application pattern

## 2.2.3.4 Master Data Governance for Customer (MDG-C)

With Master Data Governance for Customer you can control the governance of customer master data on a central hub. Within the governance process change requests are used to control the creation and change of a customer. While the customer data is stored temporarily in the staging area, the change requests are forwarded automatically to a master data specialist for a revision. As soon as the change request is approved the new customer master data is stored in the existing ERP master data tables. The governance process includes a duplicate check using SAP BusinessObjects Data Services or third party tools to avoid the creation of duplicates and also supports data enrichment and data validation.

On the central hub you can:

- Govern customer data and replicate the customer master data to different client systems such as ERP, CRM or non-SAP systems
- Use mass data load to extract data from client systems and upload this data into the master data hub. The system supports the extraction of customer and business partner data from CRM and ERP systems throughout different releases - using SOA services for the current release, or in the case of previous releases, using the existing functions, for example iDocs.

Customer data can also be maintained on an ERP client system. There you can:

- Search the hub system from the ERP client system. The search on the hub system offers you a hit list sorted by similarity and indicating whether the data is located on the hub system exclusively or on the client system as well. If the data is only located on the hub the user can copy this data from the hub to the client.
- Create or change customers on the client system. These changes are directly stored in the client tables so that business processes can continue with this data. Additionally the customer data is replicated to the hub and a governance process for this customer is automatically started. After approval this customer is replicated to all relevant client systems.

With MDG 7.0 the application Master Data Governance for Customer offers the following features:

- **List features**  
The list features offer various enhancements for the services to search, create, and change a customer.
- **One-step creation of relationships**  
The *one step creation of relationships* enables you to enter relationship specific data referring to a business partner that is not yet recorded in the system. This means that you can edit relationships of a customer to a business partner that you create in parallel.
- **Enhanced CRM integration**  
The *CRM integration* enables you to distribute a wider range of data into CRM client systems. As of *Master Data Governance for Customer 7.0* you can distribute ERP customer specific attributes such as sales area and partner functions. The data is mapped to the corresponding data structure provided by CRM.
- **Change of ERP customer account group**  
The account group of an ERP customer assigned to an MDG business partner can now be changed within the MDG-C single object maintenance. The change of an account group on an operational ERP system can be loaded to MDG using the Import Master Data and replicated to other systems using ALE or SOA.
- **Template for distributed workflow**  
The business function provides a new workflow template that fits to the common organizational setup to create customer master data: After the request is submitted the central data is verified by an approver.
- **IBAN without BIC**

MDGC fulfills the legal requirement of the *Single Euro Payments Area* (SEPA) to only maintain the *International Bank Account Number* (IBAN) for SEPA countries. The maintenance and generation of bank details (*Business Identifier Code* (BIC)) is not required anymore.

- **Link between ERP customer and ERP vendor**

The general data of an ERP customer contains a link to the corresponding ERP vendor. With the business function *Master Data Governance for Customer 7.0 Feature Pack* this field (KNA1-LIFNR) is part of the MDGC data model.

With MDG 8.0 the application Master Data Governance for Customer offers the following features:

- **MDG, Business Partner: Address Screening**

The *address screening* is based on the integration of *SAP Fraud Management*. It enables authorized users in change request processing in *SAP MDG, central governance* to perform the screening of a person or organization by *SAP Fraud Management*.

To use the *address screening* feature *SAP Fraud Management 1.1 SP07* or higher has to be installed and the *address screening* features of *SAP Fraud Management* have to be enabled. For information on *SAP Fraud Management* in general and on how to install and upgrade it, see the SAP Help Portal under <http://help.sap.com/fra>.

- **Copy Customer Data**

This feature allows you to copy company code data and sales area data within a customer.

Within the mentioned data blocks you can choose *Copy*. This will copy the data reusing a predefined selection of the existing data.

The feature has been downported to *Master Data Governance 7.0 SP03*. For details and a possible pre-implementation, see SAP Note [2020896](#).

- **Create Business Partner with Reference**

This feature allows you to create a customer with reference to an existing record.

Within the hit list of an application you can select any record and choose *Copy*. This will create a new record reusing a predefined selection of the existing data.

The feature has been downported to *Master Data Governance 7.0 SP03*. For details and a possible pre-implementation, see SAP Note [2020896](#).

## 2.2.3.5 Master Data Governance for Supplier (MDG-S)

With Master Data Governance for Supplier you can control the governance of supplier master data on a central hub and on decentralized systems. The system uses change requests to control the creation and change of a supplier and the supplier data is stored temporarily. The change requests are forwarded automatically to a master data specialist. As soon as the change request is approved the new supplier master data is stored in the existing ERP master data tables. The quality of your data is improved through a structured governance process that prevents duplicate records. The workflow keeps the users informed of updates or changes to supplier master data. The requestor UI enables the user to request the creation or change of a supplier containing name and address without having authority for additional activities. The **Supplier Governance** work center enables access to the functions via the SAP NetWeaver Business Client and the SAP Enterprise Portal.

On the central hub you can govern supplier master data and replicate the supplier master data to different business systems such as ERP, SRM, or non-SAP systems. You can also use mass data load to extract data from a client system and upload this data into the master data hub. The system supports the extraction of supplier, vendor and business partner data from SRM and ERP systems throughout different releases – in the case of previous releases by using the existing functions.

With MDG 7.0 the application Master Data Governance for Supplier offers the following features:

- **One step creation of relationships**  
The *one step creation of relationships* enables you to enter relationship-specific data referring to a business partner that is not yet recorded in the system. This means that you can edit relationships of a supplier to a business partner that you create in parallel.
- **Data cleansing and merging**  
Potential duplicates can be found using the search or the duplicate check. If similar master data records are considered to be duplicates, a cleansing case can be created.
- **SAP HANA search**  
The *SAP HANA search* provided with Master Data Governance for Supplier 7.0 offers you an error-tolerant search with a hit list ranked by relevance.
- **Using IBAN for bank details**  
Within the *bank details* you can enter data for bank account, bank country and bank key and have an IBAN created automatically – or vice versa, you can enter an IBAN and the system calculates the corresponding data, using the IBAN information.
- **Change of ERP vendor account group**  
The account group of an ERP vendor assigned to an MDG business partner can now be changed within the MDG-S single object maintenance. The change of an account group on an operational ERP system can be loaded to MDG using the Import Master Data and replicated to other systems using ALE or SOA.
- **IBAN without BIC**  
MDGS fulfills the legal requirement of the *Single Euro Payments Area* (SEPA) to only maintain the *International Bank Account Number* (IBAN) for SEPA countries. The maintenance and generation of bank details (*Business Identifier Code* (BIC)) is not required anymore.
- **Link between ERP vendor and ERP customer**  
The general data of an ERP vendor contains a link to the corresponding ERP customer. With the business function *Master Data Governance for Supplier 7.0 Feature Pack* this field ( `LFA1-KUNNR`) is part of the MDGS data model. The maintenance dialog for ERP vendors in MDG-S enables you to link to the corresponding ERP customer.

With MDG 8.0 the application Master Data Governance for Supplier offers the following features:

- **MDG, Business Partner: Address Screening**  
The *address screening* is based on the integration of *SAP Fraud Management*. It enables authorized users in change request processing in *SAP MDG, central governance* to perform the screening of a person or organization by *SAP Fraud Management*.  
To use the *address screening* feature *SAP Fraud Management 1.1 SPO7* or higher has to be installed and the *address screening* features of *SAP Fraud Management* have to be enabled. For information on *SAP Fraud Management* in general and on how to install and upgrade it, see the SAP Help Portal under <http://help.sap.com/fra>.
- **Copy Supplier Data**  
The new feature allows you to copy assigned vendors, company code data, and purchasing organizational data within a supplier.  
Within the mentioned data blocks you can choose *Copy*. This will copy the data reusing a predefined selection of the existing data.  
This feature has been downported to *Master Data Governance 7.0 SPO3*. For details and a possible pre-implementation, see SAP Note [2020896](#).
- **Create Business Partner with Reference**  
This feature allows you to create a supplier with reference to an existing record.

Within the hit list of an application you can select any record and choose [Copy](#). This will create a new record reusing a predefined selection of the existing data.

The feature has been downported to [Master Data Governance 7.0 SP03](#). For details and a possible pre-implementation, see SAP Note [2020896](#).

- **Contact Person for ERP Vendor UI**

This feature offers a specific data block to process contact person data in the [ERP Vendor UI](#). The feature has been downported to [Master Data Governance 7.0 SP03](#). For details, see SAP Note [2055484](#).

## 2.2.3.6 Master Data Governance for Business Partner

With MDG 7.0 SAP offers the application [Master Data Governance for Business Partner](#) with the following features:

- **Central work center**

- **Business partner categories**

Three [business partner categories](#) with category-specific attributes are supported:

- Organization
- Person
- Group

- **Extensibility of data model**

The [extensibility of the data model](#) allows you to configure the governance process for additional business partner attributes and customer fields. In this way all important business partner attributes can be put under governance without custom development or modifications.

- **Governance scope: Deactivate entity types and fields**

The governance scope enables you to put only parts of the data model under governance.

- **Import master data**

The [import master data function](#) enables you to upload business partner master data from an XML file into an SAP hub system (ERP system or industry-specific system).

- **Search**

The search offers you the following features:

- Precise match search based on database queries
- Error-tolerant search using SAP Data Services or partner solutions based on the business address services (BAS) interface (solution not included in MDG)
- Fuzzy search using TREX
- Error-tolerant high performance search using SAP HANA with a hit list ranked by relevance

- **Data cleansing and merging**

Potential duplicates can be found using the [search](#) or the [duplicate check](#). If similar master data records are considered to be duplicates, a cleansing case can be created. A master data specialist can then investigate whether these business partner data records are duplicates and if so, merge the best data of all records into one single master data record.

- **Data quality services**

The [data quality services](#) offer features like name and address verification, data enrichment, a basic version check, and a duplication check. All these features are integrated into the course of the process but can also be triggered at any point in time.

- **Automated distribution**

The *automated distribution* of changes in business partner master data enables you to distribute sets of data changes to several systems using ALE and enterprise services. Point-to-point distribution is supported without installation of the SAP NetWeaver Process Integration (SAP NetWeaver PI) or other middleware solutions.

- **IBAN without BIC**

MDG-BP fulfills the legal requirement of the *Single Euro Payments Area* (SEPA) to only maintain the *International Bank Account Number* (IBAN) for SEPA countries. The maintenance and generation of bank details (*Business Identifier Code* (BIC)) is not required anymore.

With MDG 8.0 the application Master Data Governance for Business Partner offers the following features:

- **MDG, Business Partner: Address Screening**

The *address screening* is based on the integration of *SAP Fraud Management*. It enables authorized users in change request processing in *SAP MDG, central governance* to perform the screening of a person or organization by *SAP Fraud Management*.

To use the *address screening* feature *SAP Fraud Management 1.1 SP07* or higher has to be installed and the *address screening* features of *SAP Fraud Management* have to be enabled. For information on *SAP Fraud Management* in general and on how to install and upgrade it, see the SAP Help Portal under <http://help.sap.com/fra>.

- **Create Business Partner with Reference**

This feature allows you to create a business partner with reference to an existing record.

Within the hit list of an application you can select any record and choose *Copy*. This will create a new record reusing a predefined selection of the existing data.

The feature has been downported to *Master Data Governance 7.0 SP03*. For details and a possible pre-implementation, see SAP Note [2020896](#).

## 2.2.3.7 Master Data Governance for Custom Objects

### 2.2.3.7.1 Introduction

With Master Data Governance for Custom Objects you can set up governance processes for your specific master data objects.

- **Data Modeling**

In a data model, you can define entity types with multiple key fields without the need to create additional leading or qualifying relationships. You also can define multiple relationships between a check table and a different entity type, as well as multiple relationships between the same entity types. You can edit data models in a configuration workbench. EhP6 includes an example for Master Data Governance of Custom Objects. You can use this example to become familiar with some of the possibilities of SAP Master Data Governance with its functions and configuration options. With Custom Objects in the Customer-Specific Reuse Active Area you can now specify that the system should store custom objects, which you define yourself, in existing tables.

- **Process Enhancement and Configuration**

With EhP6, features are available which increase the flexibility of MDG processes. In the *Business Activity* section the standard links between Actions, Business Activities, and User Interfaces can be replaced by



customer specific definitions. In the *Change Request* section the user can use the *Configure Properties of Change Request Step* activity to:

- Enrich parts of data, by assigning an enrichment spot
  - Ensure validations occur by assigning checks
  - Specify which fields are relevant, and which relevant fields are required, by setting field properties
  - Assign a different Web Dynpro application to the standard one configured for the data model
- In the **Workflow** section it is now possible to define change request step types and actions which can be used to enhance the change request process with customer specific processes.

- **Data Exchange**

Data Exchange now covers Data Replication (process-driven, usually message-based replication of data from the MDG Hub to the Clients) and Data Transfer (mass transfer, usually file-based export and import). Data Replication has been enhanced with the *Replication by Object Selection*. This can be used to quickly replicate business object data from an MDG hub to target systems. Users typically use this application to respond to one-off requests for the replication of specific business objects. Possible tasks include the following:

- searching for business objects you want to replicate before including them in a replication
- specifying the ID of business objects you want to replicate
- replicating all business objects with specified relationships.

Data Transfer Usability has been improved and it is now possible to process large numbers of objects from the Web User Interface in the Enterprise Portal. Additional interfaces have been created for the data import, export, and conversion applications. You can now also use parallel processing and scheduling from the import and export applications. Additionally an application to monitor the results of data import and export runs has been delivered.

- **Analytics**

You can analyze change requests in an organization according to processing time, or status. You can also filter for change requests in which you are involved, accessing information on your specific involvement in such change requests, for example as creator or processor.

You can define a Service Level Agreement (SLA) for change requests with a particular change request type and priority. This SLA acts as a Key Performance Indicator (KPI) against which you can measure the processing time of change requests

- **Process Enhancement and Configuration**

SAP delivers a comprehensive set of fields with the data models for each MDG application. You can determine how much data to include in the governance process, based on your business needs. You can complete this task in Customizing for Master Data Governance under Process Modeling -> Define Governance Scope. This task involves deciding which fields in the data model for your MDG application can be changed using change requests.

- **Block List**

With the block list function you can provide block values that are used from the application framework to perform checks and to persist block values. Block values prevent adding an entity type to an object list of another change request.

### i Note

The block list function can be used in the reuse active area only. It cannot be used for entity types without reuse active area, since the block list function can be used only with an application specific access class.

- **Data Quality Remediation**

With the data quality remediation function you can integrate customer-specific analytical providers to enable business users to identify master data of low quality and start a governance process in MDG to improve the data quality using the following capabilities:

- Workflows sending change requests to persons involved
  - A web-service to retrieve failed-record keys from a customer-specific analytical provider in a Web Dynpro application
- **Parallel Change Requests**  
Parallel change requests allow multiple users to concurrently request, process, and approve changes to the same business object.

#### i Note

Parallel change requests cannot be used with editions.

- **Enhanced Edition Management**  
You can use the enhanced edition management to improve the flexibility in how you manage editions and schedule changes to edition-based business objects.

#### i Note

Editions cannot be used with parallel change requests.

- **Multiple-Record Processing**  
Multiple-record processing enables the processing of several master data records in a common environment. This function offers various possibilities for UIs that provide the option to individually process fields or use find-and-replace-options.
- **SAP HANA-Based Search**  
SAP HANA-based search for SAP Master Data Governance enables you to perform searches and duplicate checks on master data residing in the SAP HANA database. An SAP HANA search provider is delivered to enable these features, leveraging features of SAP HANA like error-tolerant search and ranking of the results by relevancy.  
Drill-down search can be configured for generated search views. It enables you to search information by starting with a general category and moving through the hierarchy of fields to the desired records.
- **Highlight Changes**  
The system highlights changes of a business object on the UI in the change request process. This helps you to find a particular change on the change request UI telling you what you need to check and approve.
- **Undo Changes**  
The MDG system collects all your actions between two client/server roundtrips in MDG Web Dynpro applications in one step that can be undone. You can undo all actions of this step using *Undo*. You can undo all steps carried out since the last save. After you have used *Undo*, you can use *Redo* to recover your actions.
- **Central Point of Access for all UI Configurations in SAP Master Data Governance**  
You can model all UIs using an improved Customizing activity that logically groups the relevant technical objects.

## Enhanced and Simplified Hierarchy Management

- **Improved Process for the Assignment of Master Data**
  - Assignment of master data objects to hierarchies in the Single Object Processing UI
  - Intuitive access to hierarchies from the search and improved switching between hierarchies
  - Integrated creation of change requests in the Hierarchy Processing UI

- Control over the scope for changes, which determines how many levels of the hierarchy are available for processing in separate change requests
- **Faster Approval of Hierarchy Changes**
  - Display of pending change requests in the Hierarchy Processing UI
  - Easy access to and intuitive display of change documents
  - **Enhanced Processing of Multiple Changes**
    - Multiple nodes can be restructured or deleted at the same time
    - Insertion of flat lists of subnodes from a file in the Hierarchy Processing UI
    - A user-customizable number of subnodes is displayed when a node is expanded

#### Generic Datasources for Analytical Scenarios

- Support for analytical reporting by a simplified generation of model-specific Datasources for master data and by the provision of the Datasource for key mapping

#### Automatic Creation of Change Requests for File Upload and Mass Change

- Enhanced efficiency through automatic creation of change requests in file upload and mass change processes

### 2.2.3.7.2 Flight Data Model

You can use the flight data model to quickly explore the main capabilities of SAP Master Data Governance.

For more information about the flight data model, see SAP Solution Manager for [Master Data Governance for Custom Objects: Example Scenario Configuration Description](#) under [► Organizational Area ► Corporate Support and Services ► Business Processes ► Master Data Governance for Custom Objects ►](#).

## 2.3 Data Cleansing and Merging: Updating the Status of the Cleansing Case

You can use data cleansing and merging for the following MDG applications:

- Master Data Governance for Supplier
- Master Data Governance for Customer
- Master Data Governance for Business Partner

#### Event Type Linkage

SAP has provided event type linkages in the Customizing activity [Activate Type Linkage](#) under [► Master Data Governance ► General Settings ► Process Modeling ► Workflow ►](#) to update the status of the cleansing case after the corresponding change request has been approved or rejected.

To update the status of the cleansing case you need to do the following:

- SAP has provided two entries BUS2250-ACTIVATED and BUS2250-ROLLED\_BACK for these two events which you both need to activate.

- Select the details of the corresponding entries and set the flag for the field *Linkage Activated*.
- This customizing entry cannot be transported from one system to another. Therefore, you need to set the flag in each system, when the status of the cleansing case shall be updated after the change request has been approved or rejected.  
Since there are two status fields in the cleansing application, one for the change request and one for the case details, you need to check the following:
  - The event type linkages have to be activated.
  - After the change request has been completed, its status has to be set to *Final Check Approved*.
  - The activated event type linkage has to update the status of cleansing case to *Completed*.

## 2.4 Address Screening

### Use

The integration of *SAP Fraud Management* enables authorized users in change request processing in *SAP MDG, central governance* to perform the screening of a person or organization by *SAP Fraud Management*.

### Prerequisites

- The integration of *SAP Fraud Management* is an optional feature in *SAP MDG, central governance*. To make use of it *SAP Fraud Management 1.1 SP07* or higher has to be installed.
- The address screening features of *SAP Fraud Management* have to be enabled as described in the installation and upgrade guides on the *SAP Help Portal* under <http://help.sap.com/fra> in the section *Enabling Address Screening Methods*.
- Users of the address screening feature in the *SAP Fraud Management* system need to be assigned to the role `SAP_BPCM_SYS_COM` *Business Partner Master Data Screening: System Communication*.
  - You can assign this role to a service user that is specified in the definition of the RFC destination.
  - You can set up the RFC destination to require MDG users to log on to *SAP Fraud Management* as named users assigned to this role.
- You have set up an RFC destination of the Connection Type 3 (ABAP Connection) in transaction SM59. You can install *SAP Fraud Management* in the same SAP NetWeaver system as MDG, central governance. Nevertheless the RFC destination is required, in order to log on to the client in which SAP Fraud Management is running.
- In the Customizing activity under **Master Data Governance, Central Governance** **General Settings** **Data Quality and Search** **Validations and Enrichments** **Define Enrichment Spots** the entry `ADDRESS_SCREENING` is available.

#### i Note

The `ACCESS_GROUP` authorization check for fraud alerts in *SAP Fraud Management* is supported for MDG, business partner master data screening. If a change request from MDG specifies a value for

ACCESS\_GROUP, then this value is attached to any alerts created by the change request. Subsequent calls from MDG to change the status of the alert are checked against this value.

If you plan to use access groups to limit the set of alerts to which an MDG approver has access, then you should use the named-user approach to setting up the RFC communications. In this case, your named-users for approvers can have the access group authorizations that each approver requires. An authorization error is returned to MDG as an RFC error with accompanying message.

## Integration

- To activate the address screening for *SAP MDG, central governance*, run the Customizing activity under  
▶ *Master Data Governance, Central Governance* ▶ *General Settings* ▶ *Process Modeling* ▶ *Change Requests*  
▶ *Configure Properties of Change Request Step* ▶
  1. Select the change request type and choose *Change Request Step*.
  2. Select a change request step and choose *Enhancements and Checks per Change Request Step*.
  3. Set the *Relevant* indicator for the entry *Address Screening*.
- In the client **000** in the Customizing activity under ▶ *Master Data Governance, Central Governance*  
▶ *General Settings* ▶ *Process Modeling* ▶ *Workflow* ▶ *Activate Event Type Linkage* ▶ the receiver types *ACTIVATED\_ACS* and *ROLLED\_BACK\_ACS* are available. These receiver types have to be taken on the corresponding client and the *Type Linkage* indicator has to be set.
- To specify an RFC destination for the address screening run the Customizing activity under ▶ *Master Data Governance, Central Governance* ▶ *Master Data Governance for Business Partner* ▶ *Address Screening*  
▶ *Specify RFC Destination for Address Screening* ▶  
Use the entry help to select an RFC destination and save your settings.

## More Information

For information on *SAP Fraud Management* in general and on how to install and upgrade it, see the *SAP Help Portal* under <http://help.sap.com/fra>.

## 2.5 Combined Usage of SAP Master Data Governance Applications with SAP Industry Solutions

### 2.5.1 Introduction

You can use Master Data Governance for Financials (MDGF) and Master Data Governance for Custom Objects (MDGCO) together with all industry solutions.

You must not use Master Data Governance for Material (MDGM), Master Data Governance for Supplier (MDGS), Master Data Governance for Customer (MDGC), and Master Data Governance for Business Partner

(MDGBP) with SAP industry solutions on the same system (co-deployment) apart from the exceptions mentioned in SAP note [1690202](#).

## 2.6 Solution Extension of SAP Master Data Governance

### 2.6.1 SAP Master Data Governance, Enterprise Asset Management Extension by Utopia

#### Use

You can use the SAP Master Data Governance, enterprise asset management extension by Utopia on MDG 7.0 with the related underlying ERP 6.0 EHP versions and components.

#### More Information

For more information on the SAP Master Data Governance, enterprise asset management extension by Utopia, see SAP Note [2078099](#) and *Master Guide for Utopia EAM Solutions for MDG* under [SAP Help Portal](#) [SAP Master Data Governance, enterprise asset management extension by Utopia](#).

## 2.7 Upgrade Paths

### 2.7.1 Upgrading MDG to MDG 8.0

#### Use

You can upgrade the following MDG applications from the SAP ERP enhancement packages EHP5, EHP6, EHP7, as well as MDG 6.1 and MDG 7.0 to MDG 8.0:

- Master Data Governance for Financials
- Master Data Governance for Material
- Master Data Governance for Supplier

Additionally, you can upgrade Master Data Governance for Custom Objects and Master Data Governance for Customer from EHP6, EHP7, MDG 6.1, and MDG 7.0 to MDG 8.0.

#### Caution

Because of corrections from SAP it is possible that the active version and the inactive version of the same data model may differ.

Therefore, activate all those data models after upgrading to MDG 8.0 that have the entry *Different* in the column *Active Version* of the Customizing activity *Edit Data Model* under ► *Master Data Governance* ► *General Settings* ► *Data Modeling* regardless of MDG 8.0 business function switches being switched on or off.

Check if the generated data model-specific structures are complete regarding the attributes of the entities in the Customizing activity *Generate Data Model-Specific Structures* under ► *Master Data Governance* ► *General Settings* ► *Data Modeling* after you have activated the data model. If you made own extensions of the data model you need to check if these structures comprise your own entities and attributes.

Activate all relevant services to be activated for Web Dynpro applications after having upgraded to MDG 8.0. For more information, see *Services to be Activated for Web Dynpro Applications* at <https://help.sap.com/> under ► *SAP Business Suite* ► *SAP ERP Add-Ons* ► *SAP Master Data Governance* ► *Configuration of Master Data Governance* ► *Configuration of SAP MDG, Central Governance* ► *Configuring Master Data Governance for Custom Objects*.

### Note

You should not import the latest support package stack in the start release before the upgrade to ensure that the required, equivalent support package is already available in the target release. For more information, see the SAP Notes [2143725](#) and [70228](#).

## More Information

For information on the upgrade path to the SAP ERP enhancement package EHP7, see the upgrade section of the Master Guides for EHP7. The Master Guide for EHP7 is available under ► *SAP Help Portal* ► *SAP ERP*.

## 2.8 Upgrade of Software Components

### 2.8.1 Generic Information Regarding Upgrades to MDG 8.0

#### 2.8.1.1 Save Drafts

Drafts are created when a user saves a request without triggering the next workflow step. In EhP5 drafts were only visible for the creator. In EhP6, drafts are also visible to colleagues with the appropriate authorization.

Drafts that you have created in EhP5 will be lost when you upgrade to EhP6. Therefore you should finalize all open EhP5 drafts before activating EhP6. MDG offers the report `USMD_GOV_API_DRAFT_DELETE`. You can run this prior to upgrading to create a list of all open EhP5 drafts.

In EhP6 you can save one draft per change request. Drafts are stored in change request database tables. All dependent objects are locked until the draft change request is approved.

## 2.8.1.2 Enhanced Data Models in MDG-M, MDG-S, and MDG-C: Unlocking Change Requests and Adapting Change Request Data

With EhP6, the data models `MM` in Master Data Governance for Material (MDGM) and `BP` in Master Data Governance for Supplier (MDGS) have been enhanced. With MDG 6.1, the data model `BP` in Master Data Governance for Customer (MDGC) has been enhanced also. Activating the MDG 7.0 business functions and switches for MDGM, MDGS, and MDGC, the data models `MM` and `BP` are changed and all open change requests of the two applications are locked. To unlock these change requests and to adapt the change request data to the enhanced data models you should run the report `USMD_ADJUST_STAGING`. This report runs in all clients where MDG is active and is available in Customizing for Master Data Governance under [▶ General Settings ▶ Data Modeling ▶ Edit Data Model ▶](#).

## 2.8.1.3 Set and Delete the Context in the Change Request Process

If you had created your own program with the class `CL_USMD_CR_API` in EHP5, you need to set the context with the class `CL_USMD_API_CONTEXT` to continue to use your own program in EHP6.

As soon as the change request ID in your MDG application is fixed, you need to initialize the context with the method `INIT_CONTEXT`. When you have finalized the processing of the change request, you need to delete the context with the method `DISCARD_CONTEXT`. After this you need to initialize the context again in order to process another change request in your MDG application.

For more information, see the documentation of the class `CL_USMD_API_CONTEXT` and the interface `IF_USMD_API_CONTEXT`.

## 2.8.1.4 Access Class `CL_MDG_BS_ECC_ACCESS`

As of SAP enhancement package 6 for SAP ERP 6.0 (SAP\_APPL 606) the access class `CL_MDG_BS_ECC_ACCESS` is required for Master Data Governance for Supplier. If you activate the business function *Master Data Governance for Supplier on Hub (ERP)* (`MDG_ERP_SUPPLIER_2`), the switch BC set `CA-MDG-APP-BP_V_MDG_BS_BP_ACC_01` provides the access class `CL_MDG_BS_ECC_ACCESS`. No further action is required in this regard.

However it is possible to upgrade from EhP5 to EhP6 without activating the business function *Master Data Governance for Supplier on Hub (ERP)*. If you do not activate the business function *Master Data Governance for Supplier on Hub (ERP)*, you have to activate the switch BC set `CA-MDG-APP-BP_V_MDG_BS_BP_ACC_V` manually again. This switch BC set has been adapted and will provide the access class `CL_MDG_BS_ECC_ACCESS`.

For more information, see release note `MDG_606_SUP_ACC_CLAS`.



## 2.8.1.5 Block List

If you have created your own data model using the reuse active area before MDG 6.1, you need to finalize all your change requests to ensure a correct processing of the block list function.

Entities belonging to an object list of a change request that has been created in EHP 6 and that is still in process after the upgrade to MDG 6.1 can lead to inconsistencies when using the block list function. The block list function has no impact, if a change request that has been created after the upgrade to MDG 6.1 provides a block value for an entity that is also part of the object list of another change request that has been created before that upgrade.

## 2.8.1.6 Enhanced Edition Management

### Use

With MDG 7.0 SAP delivers an enhanced edition management adding flexible scheduling capabilities. When upgrading to MDG 7.0, you need to consider the following:

- **User Interfaces**

To use the capabilities delivered with MDG 7.0, the following user interfaces have been delivered:

- **Single-Object Processing for MDG for Financials (MDGF\_OVP\_GEN)**  
The WebDynpro application MDGF\_OVP\_GEN is a prerequisite for MDG for Financials 7.0. If you have enhanced the WebDynpro application USMD\_ENTITY\_VALUE2 on a release lower than MDG 7.0 you need to adapt the WebDynpro application MDGF\_OVP\_GEN accordingly.
- **Generic Single-Object Processing (USMD\_OVP\_GEN) and Generic Search (USMD\_SEARCH)**  
The WebDynpro applications USMD\_OVP\_GEN and USMD\_SEARCH are a prerequisite for applications that use the capabilities of the flexible edition management delivered with MDG 7.0. If you have enhanced the WebDynpro application USMD\_ENTITY\_VALUE2 on a release lower than MDG 7.0 you need to adapt the WebDynpro application USMD\_OVP\_GEN accordingly.

- **After-Switch Method**

When switching on enhanced edition management an after-switch method to convert data is executed automatically. This converts all edition-based business objects – Financials objects and custom objects. During this process no functions of MDG can be used for edition-dependent data models including custom data models.

Using transaction SLG1 (Analyse Application Log) you can analyze the activities entering the object *FMDM* and the subobject *UPGRADE\_EDITION*.

- **Implementation for Custom Objects without Financials**

Business function *Master Data Governance for Financials 7.0* (MDG\_FINANCIALS\_4) activates switch *Edition Management* (MDG\_EDITIONS), which enables enhanced edition management. To use editions for custom objects in cases where you are not using financial objects, create and switch on a business function that includes switch *Edition Management* (MDG\_EDITIONS). For more information about the switch framework and how to create business functions, run transaction *SFW5* and choose [Help](#) [Application Help](#). Take into account the effects of the after-switch method.

## Constraints

### ⚠ Caution

If you are using data slices, you need to contact SAP. Data slices cannot be used with the enhanced edition management delivered with MDG 7.0.

## 2.8.1.7 Authorization Object USMD\_DM

Before upgrading from ERP EHP5 to a higher release of MDG, you must create the authorization object `USMD_DM` to be able to activate data models, because this authorization object is not yet available in ERP EHP5. The authorization object needs to be assigned to the upgrade user.

For more information, see SAP note [2008595](#).

## 2.8.1.8 Interlocking Hierarchy Nodes

If you want to use loose interlocking for hierarchy nodes make sure that you have released all change requests before upgrading to MDG 8.0.

## 2.8.2 Application-Specific Information Regarding Upgrades to MDG 8.0

### 2.8.2.1 Master Data Governance for Material

#### 2.8.2.1.1 Introduction

With EhP6, the Business Add-In previously available to adjust the user interface for single processing of material is no longer available. Instead, a new UI provides greater flexibility while retaining and refining the functionality provided with EhP5. Below is the full list of the functions previously available through the single processing UI by implementing the BAdI in EhP5, that are now provided under the EhP6 UI paradigm:

- Initialize the displayed data (when creating a new entity, for example)
- Restrict the values displayed in a dropdown list field or selection field group
- Restrict the values displayed in the input help
- Dynamically control the visibility of fields on the user interface and of the property that determines if fields are required or display-only
- Define navigation destinations of UI elements of the type hyperlink (or button)
- Check if the lead selection of a table may be changed

For more information, see SAP Note [1606341](#).

## 2.8.2.1.2 Material Roles for Menu Structure and Authorizations

### Use

With SAP Enhancement Package 6 for SAP ERP 6.0 and MDG 6.1, SAP delivers roles for the menu structure and for authorizations.

The following role for the menu structure is available for Master Data Governance for Material:

- `SAP_MDGM_MENU`, Master Data Governance for Material: Menu

You need the role `SAP_MDGM_MENU` in order to use the new menu entries and the new UI.

The following roles for authorizations of users are available for Master Data Governance for Material:

- `SAP_MDGM_DISP`, Master Data Governance for Material: Display
- `SAP_MDGM_REQ`, Master Data Governance for Material: Requester
- `SAP_MDGM_SPEC`, Master Data Governance for Material: Specialist
- `SAP_MDGM_STEW`, Master Data Governance for Material: Data Steward

With MDG 6.1, the following roles are available:

- `SAP_MDGM_MENU_03`, Master Data Governance for Material: Menu
- `SAP_MDGM_DISP_03`, Master Data Governance for Material: Display
- `SAP_MDGM_REQ_03`, Master Data Governance for Material: Requester
- `SAP_MDGM_SPEC_03`, Master Data Governance for Material: Specialist
- `SAP_MDGM_STEW_03`, Master Data Governance for Material: Data Steward

With MDG 7.0, the following roles are available:

- `SAP_MDGM_MENU_04`, Master Data Governance for Material: Menu
- `SAP_MDGM_DISP_04`, Master Data Governance for Material: Display
- `SAP_MDGM_REQ_04`, Master Data Governance for Material: Requester
- `SAP_MDGM_SPEC_04`, Master Data Governance for Material: Specialist
- `SAP_MDGM_STEW_04`, Master Data Governance for Material: Data Steward

With MDG 7.0 Feature Pack, the following roles are available:

- `SAP_MDGM_MENU_05`, Master Data Governance for Material: Menu
- `SAP_MDGM_DISP_05`, Master Data Governance for Material: Display
- `SAP_MDGM_REQ_05`, Master Data Governance for Material: Requester
- `SAP_MDGM_SPEC_05`, Master Data Governance for Material: Specialist
- `SAP_MDGM_STEW_05`, Master Data Governance for Material: Data Steward

With MDG 8.0, the following roles are available:

- `SAP_MDGM_MENU_06`, Master Data Governance for Material: Menu

- SAP\_MDGM\_DISP\_06, Master Data Governance for Material: Display
- SAP\_MDGM\_REQ\_06, Master Data Governance for Material: Requester
- SAP\_MDGM\_SPEC\_06, Master Data Governance for Material: Specialist
- SAP\_MDGM\_STEW\_06, Master Data Governance for Material: Data Steward

## Integration

SAP recommends copying these roles and adapting them to your needs. Re-implement features you implemented using the UI BADl USMD\_UI\_EVENT2 in the SAP Enhancement Package 5 for SAP ERP 6.0. For more information, see chapter 2.3.2.1 in this document.

The following role becomes obsolete with SAP Enhancement Package 6 for SAP ERP 6.0:

- Material Master Data Manager (SAP\_MDGM)

## More Information

For more information on roles of Master Data Governance for Material, see the following:

- Configuration Information for Master Data Governance for Material  
<https://help.sap.com> under ► SAP Business Suite ► SAP ERP Add-Ons ► SAP Master Data Governance 8.0 ► Configuration of Master Data Governance ►
- PFCG Roles  
 Enter one of the roles mentioned above in transaction PFCG and choose *Role documentation*.
- Portal Roles  
<https://help.sap.com> under ► SAP Business Suite ► SAP ERP ► SAP ERP Central Component ► SAP Enhancement Package 6 for SAP ERP 6.0 ► Application Help ► SAP ERP Cross-Application Functions ► Roles ► Business Packages (Portal Content) ► Business Package for Material Governance ►

### 2.8.2.1.3 Delivered Customizing

In SAP Enhancement Package 6 for SAP ERP 6.0 (EhP6), SAP delivers new step types. Now you can use Customizing to create your own step types with two or more associated actions. The pre-delivered content for the change request types MAT01, MAT02, MAT06, MAT0A, MAT0B in the Customizing activity *Configure Rule-Based Workflow* has been updated to include the new step types, actions, and statuses. If you import this new content from client 000, the old values are overwritten.

If you want to keep the old content, do not import the files.

For more information, see *Configuring Master Data Governance for Material* at <https://help.sap.com> under ► SAP Business Suite ► SAP ERP Add-Ons ► SAP Master Data Governance 7.0 ► Configuration of Master Data Governance ►

## 2.8.2.1.4 Setting up Search

The Enterprise search templates for `MATERIAL` and `MDG_MATERIAL` are reallocated. The change becomes active as soon as you install SAP Enhancement Package 6 for SAP ERP 6.0 (EhP6). This happens before you activate any business functions. You have to create a new software component and link the software components `EA_APPPL/PLMWUI` and `MDG_APPPL` to it.

For more information, see *Configuring Master Data Governance for Material* at <https://help.sap.com> under [▶ SAP Business Suite ▶ SAP ERP Add-Ons ▶ SAP Master Data Governance 7.0 ▶ Configuration of Master Data Governance ▶](#).

## 2.8.2.1.5 Search Extensibility

If you have extended the enterprise search for Master Data Governance for Material with customer (Z) fields in SAP Enhancement Package 5 for SAP ERP 6.0, consider adapting your implementation according to the revised SAP Enhancement Package 6 for SAP ERP 6.0 extensibility guidelines.

The advantages are the following:

- No own BAdI implementation necessary for BAdI `BADI_SDQ_PP_SEARCH`. You can revert to the standard implementation `MDG_BS_MAT_PP_SEARCH`.
- No additional search specific SMT mapping needed
- No manual extension of DDIC structures

## 2.8.2.1.6 Enhancements to Data Model MM

With *SAP Master Data Governance 6.1* SAP delivers an enhanced data model `MM`.

Check, if your extension of the data model `MM` delivered with SAP ERP EHP5 or SAP ERP EHP6 is covered with the enhanced data model `MM` delivered with SAP Master Data Governance 6.1. To convert your extension of the data model `MM` delivered with SAP ERP EHP5 or SAP ERP EHP6 to the enhanced data model `MM` delivered with SAP Master Data Governance 6.1 you need to do the following:

- You need to ensure that the necessary content of the enhanced data model `MM` delivered with SAP Master Data Governance 6.1 is activated in Customizing for Master Data Governance under [▶ General Settings ▶ Process Modeling ▶ Define Governance Scope ▶](#).
- SAP recommends to keep your extension of the data model `MM` and set them to the status not governed in the Customizing activity *Define Governance Scope*.
  - If you delete your extension of the data model `MM`, the MDG change documents for these fields get lost.

### i Note

- Change documents for the back-end tables *Change Documents for Active Area* and *Change Documents for Activation* are now mapped to the enhanced data model `MM` delivered with SAP Master Data Governance 6.1.

- The MDG change documents for your extension of the data model **MM** delivered with SAP ERP EHP5 or SAP ERP EHP6 can still be accessed with the entity names and attribute names of your model extension. They cannot be accessed with the names of the SAP model content.

Example: The entity **ZZMARC** is replaced by entity **MARCBASIC**. Then the MDG change documents for **ZZMARC** will be labeled as **ZZMARC** even after conversion and the backend change documents will be shown for **MARCBASIC**.

- SAP also recommends to keep the *Service Mapping Tool* (SMT) extension of your data model extension for the same reason.

Convert the data model **MM** as follows:

1. Do not create change requests anymore.
2. Finalize all existing change requests.
3. Switch on business function **MDG\_MATERIAL\_3**.
4. Reduce the governance scope to your extended fields of the data model **MM** delivered with SAP ERP EHP5 or SAP ERP EHP6 and ensure to govern their counterparts from the enhanced data model **MM** delivered with SAP Master Data Governance 6.1.

If you have upgraded from SAP Master Data Governance 6.1 to SAP Master Data Governance 7.0 the Customizing activity *Import BC Set to Reset Governance Scope* changes – dependent on the switch activation for the business function *Master Data Governance for Material 7.0* – as follows:

- Business function switch for *Master Data Governance for Material 7.0* deactivated  
The Customizing activity turns into an organizational activity referring to the BC-set available as of Master Data Governance 6.1.
- Business function switch for *Master Data Governance for Material 7.0* activated  
The Customizing activity turns into an organizational activity referring to the BC-set available as of Master Data Governance 7.0.

5. Create new BRF+ rules and new user-interface building blocks (UIBBs) for the UI configuration. Adapt the Business Add-In (BAI) implementation for **USMD\_RULE\_SERVICE** and **USMD\_RULE\_SERVICE\_CROSS\_ET** to the changed parameters.
6. Now you can start to create change requests again.

If you cannot finalize existing change requests before the conversion, the conversion process is the following:

1. Do not create change requests anymore.
2. Switch on business function **MDG\_MATERIAL\_3**.
3. Reduce the governance scope to your extended fields of the data model **MM** delivered with SAP ERP EHP5 or SAP ERP EHP6 and ensure to govern their counterparts from the enhanced data model **MM** delivered with SAP Master data Governance 6.1
4. Create new BRF+ rules and new UIBBs for the UI configuration. Adapt the BAI implementation for **USMD\_RULE\_SERVICE** and **USMD\_RULE\_SERVICE\_CROSS\_ET** to the changed parameters.
5. Start a migration report for the active area and the staging area of the reuse entities to migrate your extended fields of the data model **MM** delivered with SAP ERP EHP5 or SAP ERP EHP6 to the enhanced data model **MM** delivered with SAP Master Data Governance 6.1. For details on how to write such a report, please check SAP note 1710311.
6. Now you can start to create change requests again.

If you have activated the business function **MDG\_MATERIAL\_3**, but you do not want to use the enhanced data model **MM** delivered with SAP Master Data Governance 6.1, then you need to deploy the BC-Set

MDGM\_MDG\_MATERIAL\_VC\_USMD007C to reduce the content of the data model MM to the scope of the delivery of SAP ERP EHP6.

## 2.8.2.1.7 UI Configuration

To use the new functions of the enhanced data model MM and the changes of the UI configuration delivered with SAP Master Data Governance 6.1, you need to process the following steps:

### 1. Exchange the Roles

Exchange your copies of the following roles from SAP ERP EHP6 to SAP Master Data Governance 6.1:

Role	Description	Release
SAP_MDGM_DISP	Master Data Governance for Material: Display	SAP ERP EHP6
SAP_MDGM_DISP_03	Master Data Governance for Material: Display	SAP Master Data Governance 6.1
SAP_MDGM_MENU	Master Data Governance for Material: Menu	SAP ERP EHP6
SAP_MDGM_MENU_03	Master Data Governance for Material: Menu	SAP Master Data Governance 6.1
SAP_MDGM_REQ	Master Data Governance for Material: Requester	SAP ERP EHP6
SAP_MDGM_REQ_03	Master Data Governance for Material: Requester	SAP Master Data Governance 6.1
SAP_MDGM_SPEC	Master Data Governance for Material: Specialist	SAP ERP EHP6
SAP_MDGM_SPEC_03	Master Data Governance for Material: Specialist	SAP Master Data Governance 6.1
SAP_MDGM_STEW	Master Data Governance for Material: Data Steward	SAP ERP EHP6
SAP_MDGM_STEW_03	Master Data Governance for Material: Data Steward	SAP Master Data Governance 6.1

### 2. Adapt the Data Model MM and its UI Configuration

If you have extended the data model MM delivered with SAP ERP EHP5 or SAP ERP EHP6, then the following use cases apply:

- **Usage of your extension of the data model MM delivered with SAP ERP EHP6 together with the UI configuration delivered with SAP ERP EHP6**

Use the BC-Set MDGM\_MDG\_MATERIAL\_VC\_USMD007C to reduce the governance scope to the level of SAP ERP EHP6 in Customizing for Master Data Governance under [Master Data Governance for](#)

[Material](#) ► [Import BC Set to Reset Governance Scope](#) ► and use the roles delivered with SAP ERP EHP6.

- **Usage of your extension of the data model MM delivered with SAP ERP EHP6 together with the UI configuration delivered with SAP Master Data Governance 6.1**

Use the BC-Set MDGM\_MDG\_MATERIAL\_VC\_USMD007C to reduce the governance scope to the level of SAP ERP EHP6 in Customizing for Master Data Governance under ► [Master Data Governance for Material](#) ► [Import BC Set to Reset Governance Scope](#) ► and exchange the roles from SAP ERP EHP6 to SAP Master Data Governance 6.1 as described above.

In the Web Dynpro application MDG\_BS\_MAT\_OVP, the application configuration BS\_MAT\_OVP delivered with SAP ERP EHP6 is replaced by the application configurations BS\_MAT\_OVP\_03 and BS\_MAT\_OVP\_03H delivered with SAP Master Data Governance 6.1.

If you made extensions of copies of the application configuration BS\_MAT\_OVP delivered with SAP ERP EHP6, you need to also implement the same extensions in the copies of the application configurations BS\_MAT\_OVP\_03 and BS\_MAT\_OVP\_03H delivered with SAP Master Data Governance 6.1. Some of the UIBBs delivered with SAP ERP EHP6 have been enhanced with SAP Master Data Governance 6.1. The technical names of these UIBBs have been enhanced with the suffix \_03 in SAP Master Data Governance 6.1.

In case you have extended one of these UIBBs, for example the component configuration MDG\_BS\_MAT\_MATERIAL\_FORM delivered with SAP ERP EHP6, then you first need to copy the corresponding component configuration MDG\_BS\_MAT\_MATERIAL\_FORM\_03 delivered with SAP Master Data Governance 6.1 before you implement your extension again.

- **Usage of the data model MM delivered with SAP Master Data Governance 6.1 together with the UI configuration delivered with SAP Master Data Governance 6.1**

- **Completely switch to the entities and fields delivered with SAP Master Data Governance 6.1 — no own extensions anymore**

Adapt the governance scope to your requirements. Implement a report and run this report to convert the existing change requests to the new data model as described in the chapter [Enhanced Data Model MM](#) in this document. Then you have to copy your extensions to the enhanced entities and fields delivered with SAP Master Data Governance 6.1. Exchange the roles from SAP ERP EHP6 to SAP Master Data Governance 6.1 as described above.

- **Partially switch to the entities and fields delivered with SAP Master Data Governance 6.1 — some of your extensions remain**

Adapt the governance scope to your requirements. In the Web Dynpro application MDG\_BS\_MAT\_OVP the application configuration BS\_MAT\_OVP delivered with SAP ERP EHP6 is replaced by the application configurations BS\_MAT\_OVP\_03 and BS\_MAT\_OVP\_03H delivered with SAP Master Data Governance 6.1.

If you made extensions of copies of the application configuration BS\_MAT\_OVP delivered with SAP ERP EHP6, you need to also implement the same extensions in the copies of the application configurations BS\_MAT\_OVP\_03 and BS\_MAT\_OVP\_03H delivered with SAP Master Data Governance 6.1. Some of the UIBBs delivered with SAP ERP EHP6 have been enhanced with SAP Master Data Governance 6.1. The technical names of these UIBBs have been enhanced with the suffix \_03 in SAP Master Data Governance 6.1.

In case you have extended one of these UIBBs, for example the component configuration MDG\_BS\_MAT\_MATERIAL\_FORM delivered with SAP ERP EHP6, then you first need to copy the corresponding component configuration MDG\_BS\_MAT\_MATERIAL\_FORM\_03 delivered with SAP Master Data Governance 6.1 before you implement your extension again. Implement a report and run this report to convert the existing change requests to the new data model as described in the chapter [Enhanced Data Model MM](#) in this document. Then you have to copy your extensions to the



enhanced entities and fields delivered with SAP Master Data Governance 6.1. Exchange the roles from SAP ERP EHP6 to SAP Master Data Governance 6.1 as described above.

### i Note

#### Check Mandatory field in MDG\_BS\_MAT\_DESCR\_LIST component configuration

If you have copied and possibly extended the component configuration MDG\_BS\_MAT\_DESCR\_LIST delivered with SAP Master Data Governance 6.1 you need to deselect the flag of the field *Check Mandatory* in the *Additional Settings* of this component configuration.

For more information, see SAP Note [1859448](#).

## 2.8.2.1.8 Deleting UI-Related Buffers

SAP provides the following UI-related buffers:

- Text Buffer
- Search Help Buffer
- SMT-Mapping Data Buffer
- SPI Metadata Buffer

If you upgrade from SAP Master Data Governance 8.0 you need to execute the Customizing activity *Clear UI Metadata Buffers* under ► *Master Data Governance* ► *Master Data Governance for Material* ▾.

This Customizing activity executes a report that clears the following buffers in this sequence:

1. Text Buffer
2. Search Help Buffer
3. SMT-Mapping Data Buffer
4. SPI Metadata Buffer

You should use this report after extending the data model to make sure that the metadata is consistent with the MDG customizing and UI configuration.

### i Note

The deletion of buffers is not being transported from one system to another. If you execute the Customizing activities, you have to run them in every involved system.

## 2.8.2.1.9 Object Links for Materials

If you want to include this feature in your pre-delivered change request types MAT01, MAT02, MAT06, MAT0A, and MAT0B, then you need to execute the Customizing activity *Import Predefined Change Request Types* under ► *Master Data Governance* ► *Master Data Governance for Material* ▾ or you can add the entity type DRADBASIC in your change request type using the Customizing activity *Create Change Request Type* under ► *Master Data Governance* ► *Process Modeling* ► *Change Requests* ▾.

### i Note

Restriction: If you have created your own document assignment, for example an entity type ZZ\_DRAD, with a model extension, then you need to complete all change requests before you upgrade to MDG 7.0. Starting a migration report mentioned in chapter 2.4.2.1.5 and SAP Note [1710311](#) is not sufficient in this case.

## 2.8.2.2 Master Data Governance for Supplier

### 2.8.2.2.1 Show Master Data Governance for Supplier 6.1 Specific UIBBs

To show the user interface building blocks (UIBB) for the entities delivered with the business function *Master Data Governance for Supplier 6.1* proceed as follows:


### i Note

Depending on whether you use the supplier UI or the vendor UI carry out the corresponding procedure.

Prerequisites:

- In transaction *SU01* on the *Parameters* tab the Set/Get parameter *FPM\_CONFIG\_EXPERT* is set to the value **A**.
- The authorization objects *S\_DEVELOP* and *S\_WDR\_P13N* are assigned to your user.


#### Show specific UIBBs for the supplier UI

1. Run transaction *NWBC*, enter the role *SAP\_MDGS\_MENU\_03* and choose *Start NetWeaver Business Client for HTML*.
2. Choose *Search Supplier*.
3. Choose .

### i Note

If an error message is displayed concerning missing object component Customizing proceed as follows:


1. Choose *New*.
  2. In the *Create Customizing* dialog box enter a description and choose *OK*.
  3. In the *Select Transport Request* dialog box choose *OK*.
4. Mark *Main Page* *BS\_BP\_OVP*.
  5. On the *Overview Page Schema* tab, click on *Section: BP\_SECTION* to open the UIBB structure.
  6. Mark *UIBB: Relationship* *BS\_BP\_RELATIONS*.
  7. In the *Hidden Element* field in the *Attributes of UIBB* section select **visible** and choose *Save*.
  8. Repeat the procedure as of step 4 using the following values:
    - *Edit Page* *BS\_SP\_GENERAL\_DATA*
      - *UIBB: ERP Vendor: Sub-Ranges* *BS\_SP\_SUBRANGES*

- *Edit Page* BS\_SP\_COMPANY\_CODE
    - *UIBB: ERP Vendor Company Code: Withholding Tax* BS\_SP\_COMPANY\_CODE\_WITHHOLDING
    - *UIBB: ERP Vendor Company Code: Dunning Areas* BS\_SP\_DUNNING\_AREAS
  - *Edit Page* BS\_SP\_PURCH\_ORG
    - *UIBB: ERP Vendor Purchasing Organization: Different Purchasing Data* BS\_SP\_PURCH2\_ORGS
    - *UIBB: ERP Vendor Purchasing Organization: Partner Functions* BS\_SP\_FUNCTIONS
9. As a final step on the *Search Supplier* screen choose  and on the *Personalize* dialog box choose *Reset to Default*.

### i Note

To show the corresponding UIBBs within *Block* and *Mark for Deletion* change requests, mark an existing supplier in the search result list, choose *Block* or *Mark for Deletion* and proceed as described above as of step number 3.


### Show specific UIBBs for the vendor UI

1. Run transaction NWBC, enter the role SAP\_MDGS\_MENU\_03 and choose *Start NetWeaver Business Client for HTML*.
2. Choose *Search Vendor*.
3. Choose .

### i Note

If an error message is displayed concerning missing object component Customizing proceed as follows:

1. Choose *New*.
2. In the *Create Customizing* dialog box enter a description and choose *OK*.
3. In the *Select Transport Request* dialog box choose *OK*.

4. Mark *Main Page* BS\_BP\_OVP.
5. On the *Overview Page Schema* tab, click on *Section: BP\_SECTION* to open the UIBB structure.
6. Mark *UIBB: ERP Vendor: Sub-Ranges* BS\_SP\_SUBRANGES.
7. In the *Hidden Element* field in the *Attributes of UIBB* section select **visible** and choose *Save*.
8. Repeat the procedure as of step 4 using the following values:
  - *Edit Page* BS\_SP\_COMPANY\_CODE
    - *UIBB: ERP Vendor Company Code: Withholding Tax* BS\_SP\_COMPANY\_CODE\_WITHHOLDING
    - *UIBB: ERP Vendor Company Code: Dunning Areas* BS\_SP\_DUNNING\_AREAS
  - *Edit Page* BS\_SP\_PURCH\_ORG
    - *UIBB: ERP Vendor Purchasing Organization: Different Purchasing Data* BS\_SP\_PURCH2\_ORGS
    - *UIBB: ERP Vendor Purchasing Organization: Partner Functions* BS\_SP\_FUNCTIONS
9. As a final step on the *Search Vendor* screen choose  and on the *Personalize* dialog box choose *Reset to Default*.

## i Note

To show the corresponding UIBBs within *Block* and *Mark for Deletion* change requests, mark an existing vendor in the search result list, choose *Block* or *Mark for Deletion* and proceed as described above as of step number 3.

## 2.8.2.2.2 Supplier Data in the Staging Area

### 2.8.2.2.2.1 Business Partner GUID, Address GUID, and Match Code Fields

#### Use

With MDG releases higher than EhP5 a business partner GUID, an address GUID, and match code fields are required to process master data objects stored in the staging area.

If you want to continue to process a supplier without business partner GUID, address GUID, or match code fields that have been created in an EhP5 system and are still part of a change request, you need to execute the following reports:

- MDG\_BS\_BP\_BP\_GUID\_2STA  
This report assigns the business partner GUID.
- MDG\_BS\_BP\_ADDRESS\_GUID\_2STA  
This report assigns the address GUID.
- MDG\_BS\_BP\_MATCHCODE\_2STA  
This report assigns the match code fields.

These reports add the missing data to the staging area and you can then continue to process all change requests that had missing business partner GUIDs, missing address GUID, or missing match code fields.

#### More Information

For more information, see the SAP Notes [1672462](#), [1550109](#), and [1567981](#).

### 2.8.2.2.2.2 Company Code Data and Purchasing Organization Data

#### Use

Company code data and purchasing organization data of suppliers that have been created in an SAP ERP EHP5 system and that are still part of open change requests might get lost when upgrading to a higher MDG release

and activating business function MDG\_ERP\_SUPPLIER\_2. If you want to continue to process these suppliers you need to execute the report MDG\_BS\_ECC\_SUPPL\_UPGRADE after having activated all business functions necessary for the MDG release you have upgraded to and after having implemented the correction instructions from SAP note [1938397](#).

## More Information

For more information, see SAP note [1938397](#).

### 2.8.2.2.3 Single Processing of Suppliers

With EhP6, the Business Add-In previously available to adjust the user interface for single processing of Suppliers is no longer available. Instead, a new UI provides greater flexibility while retaining and refining the functionality provided with EhP5. Below is the full list of the functions previously available through the single processing UI by implementing the BAdI in EhP5, that are now provided under the EhP6 UI paradigm:

- Initialize the displayed data
- Restrict the values displayed in a dropdown list field or selection field group
- Restrict the values displayed in the input help
- Dynamically control the visibility of fields on the user interface and of the property that determines if fields are required or display-only
- Define navigation destinations of UI elements of the type hyperlink (or button)
- Check if the lead selection of a table may be changed

For more information see SAP Note [1606341](#).

### 2.8.2.2.4 Supplier Roles for Menu Structure and Authorizations

#### Use

With SAP Enhancement Package 6 for SAP ERP 6.0, SAP delivers roles for the menu structure and for authorizations.

The following role for the menu structure is available for Master Data Governance for Supplier:

- SAP\_MDGS\_MENU, Master Data Governance for Supplier: Menu

You need the role SAP\_MDGS\_MENU in order to use the new menu entries and the new UI.

The following roles for authorizations of users are available for Master Data Governance for Supplier:

- SAP\_MDGS\_DISP, Master Data Governance for Supplier: Display

- SAP\_MDGS\_REQ, Master Data Governance for Supplier: Requester
- SAP\_MDGS\_SPEC, Master Data Governance for Supplier: Specialist
- SAP\_MDGS\_STEW, Master Data Governance for Supplier: Data Steward

With MDG 7.0, the following roles are available:

- SAP\_MDGS\_MENU\_04, Master Data Governance for Supplier: Menu
- SAP\_MDGS\_DISP\_04, Master Data Governance for Supplier: Display
- SAP\_MDGS\_REQ\_04, Master Data Governance for Supplier: Requester
- SAP\_MDGS\_SPEC\_04, Master Data Governance for Supplier: Specialist
- SAP\_MDGS\_STEW\_04, Master Data Governance for Supplier: Data Steward
- SAP\_MDGS\_LVC\_MENU\_03, Master Data Governance for Supplier (Lean Request UI): Menu
- SAP\_MDGS\_LVC\_REQ\_03, Master Data Governance for Supplier (Lean Request UI): Requester

## Integration

SAP recommends to copy these roles, adapt them to your needs. Re-implement features you implemented using the UI BADL USMD\_UI\_EVENT2 in the SAP Enhancement Package 5 for SAP ERP 6.0. For more information, see chapter 2.3.2.2.1 in this document.

The following role becomes obsolete with SAP Enhancement Package 6 for SAP ERP 6.0:

- Supplier Master Data Manager (SAP\_MDGS)

## More Information

For more information on roles of Master Data Governance for Supplier, see the following:

- Configuration Information for Master Data Governance for Supplier  
<https://help.sap.com> under ► SAP Business Suite  
 ► SAP ERP Add-Ons ► SAP Master Data Governance 7.0 ► Configuration of Master Data Governance ►
- PFCG Roles  
 Enter one of the roles mentioned above in transaction PFCG and choose *Role documentation*.
- Portal Roles  
<https://help.sap.com> under ► SAP Business Suite ► SAP ERP ► SAP ERP Central Component ► SAP Enhancement Package 6 for SAP ERP 6.0 ► Application Help ► SAP ERP Cross-Application Functions  
 ► Roles ► Business Packages (Portal Content) ► Business Package for Supplier Governance ►

## 2.8.2.2.5 Changed Definition of BRFplus Rules for the Supplier Web Dynpro Application

If you want to use the web dynpro application `BS_OVP_BP` delivered with EhP6 of SAP ERP 6.0 instead of the web dynpro configuration already available in EhP5 of SAP ERP 6.0, you cannot derive attributes of the type-4 entity type `BP_CENTRL` as part of the type-1 entity type `BP_HEADER` with cardinality 1:1 anymore.

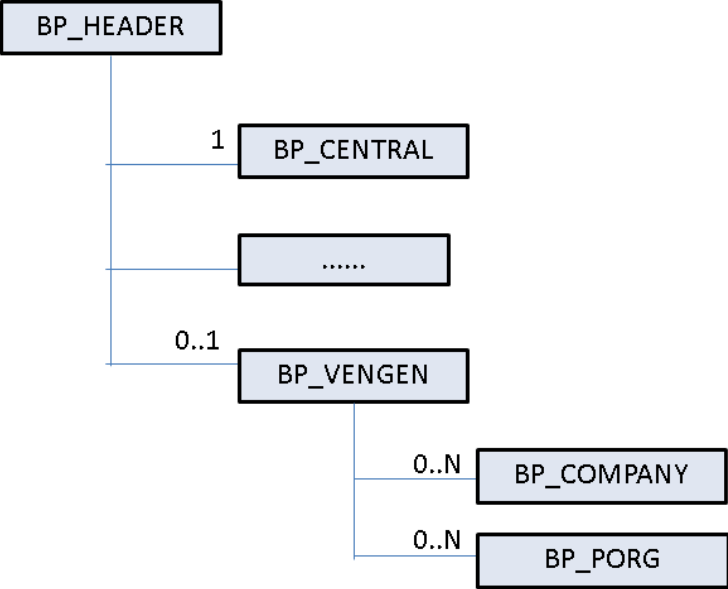
If you follow this approach using the web dynpro application `BS_OVP_BP`, you then need to create a function called `DERIVE_BP_CENTRL` in BRFplus in the Customizing-Activity **Define Validation and Derivation Rules** under ► *General Settings* ► *Data Quality and Search* ► *Validations and Enrichments* ►.

For more information about derivations in BRFplus, see *Definition of Validations and Derivations* at <https://help.sap.com> ► under ► *SAP Business Suite* ► *SAP ERP Add-Ons* ► *SAP Master Data Governance 7.0* ► *Configuration of Master Data Governance* ► *General Settings* ► *Web Dynpro Applications in Customizing* ►.

## 2.8.2.2.6 Multiple Assignments of Suppliers

The data model `BP` has changed. In EhP5 it was possible to allocate only one ERP Vendor. With EhP6 it is possible to assign multiple ERP Vendors to one MDG supplier.

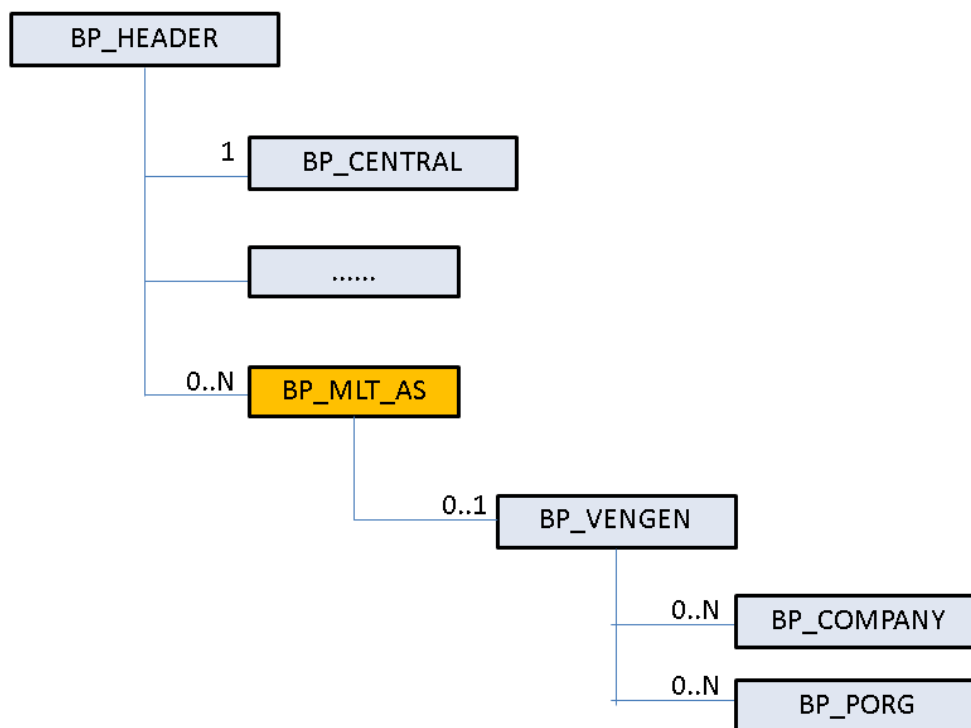
The following shows the structure of entity types for EhP5:



Structure of Entity Types for EhP5



The following shows the structure of entity types for EhP6:



Structure of Entity Types for EhP6

The system automatically adapts change request data when you activate Business Function `BF MDG_ERP_SUPPLIER_2`.

If you enhance entity types `BP_VENGEN`, `BP_COMPANY`, and `BP_PORG`, it may be necessary to adapt your enhancements.


## 2.8.2.3 Master Data Governance for Customer

### 2.8.2.3.1 Show Master Data Governance for Customer 6.1 Specific UIBBs

To show the user interface building blocks (UIBB) for the entities delivered with the business function *Master Data Governance for Customer 6.1* proceed as follows:

Prerequisites:


- In transaction `SU01` on the *Parameters* tab the Set/Get parameter `FPM_CONFIG_EXPERT` is set to the value **A**.

- The authorization objects S\_DEVELOP and S\_WDR\_P13N are assigned to your user.
1. Run transaction NWBC, enter the role SAP\_MDGC\_MENU\_03 and choose *Start NetWeaver Business Client for HTML*.
  2. Choose *Search Supplier*.
  3. Choose .

### i Note

If an error message is displayed concerning missing object component Customizing proceed as follows:

1. Choose *New*.
2. In the *Create Customizing* dialog box enter a description and choose *OK*.
3. In the *Select Transport Request* dialog box choose *OK*.

4. Mark *Main Page* BS\_BP\_OVP.
5. On the *Overview Page Schema* tab, click on *Section: BP\_SECTION* to open the UIBB structure.
6. Mark *UIBB: Relationship* BS\_BP\_RELATIONS.
7. In the *Hidden Element* field in the *Attributes of UIBB* section select **visible** and choose *Save*.
8. Repeat the procedure as of step 4 using the following values:
  - *Edit Page* BS\_CU\_MLT\_ASSIGNMENT
    - *UIBB: ERP Customer: Company Codes* BS\_CU\_COMPANY\_CODES
    - *UIBB: ERP Customer: Sales Area* BS\_CU\_SALES\_AREAS
    - *UIBB: ERP Customer: Tax Indicators* BS\_CU\_TAX\_INDICATORS
9. As a final step on the *Search Customer* screen choose  and on the *Personalize* dialog box choose *Reset to Default*.

### i Note

To show the corresponding UIBBs within *Block* and *Mark for Deletion* change requests, mark an existing customer in the search result list, choose *Block* or *Mark for Deletion* and proceed as described above as of step number 3.

## 2.8.2.4 Master Data Governance for Financials

### Upgrading from EHP5, EHP6, EHP7, and MDG 6.1 to MDG 8.0

With MDG 8.0, the Business Add-In (BAI) previously available to adjust the user interface for single processing of financial master data is no longer available. Instead, a new user interface provides greater flexibility while retaining and refining the functionality provided with MDG 6.1. Below is the complete list of the functions previously available through the single processing UI by implementing the BAI in MDG 6.1, that are now provided under the MDG 8.0 UI paradigm:

- Initialize the displayed data (when creating a new entity, for example)
- Restrict the values displayed in a dropdown list field or selection field group
- Restrict the values displayed in the input help
- Dynamically control the visibility of fields on the user interface and of the property that determines if fields are required or display-only

- **UI Building Blocks**

Additionally, all UI building blocks (UIBBs) have been rebuilt.

If you have not enhanced the data model or the UI of Master Data Governance for Financials with custom fields, you can use the new SAP predefined UIs.

If you have enhanced the data model or the UI of Master Data Governance for Financials with custom fields, you have to re-implement the enhancements in the new SAP predefined UI:

- Add custom fields to the new SAP pre-defined UIBBs
- Create new custom UIBBs
- Move custom implementation logic into the new custom UIBB feeder classes

- **Report for User Interfaces**

After having upgraded to Master Data Governance for Financials 8.0 you need to start the report `RGZZGLUX` before starting to use the user interfaces delivered with Master Data Governance for Financials 8.0.

### Upgrading from EHP5, EHP6, EHP7, MDG 6.1, and MDG 7.0 to MDG 8.0

- **Open Change Requests**

Before upgrading to Master Data Governance for Financials 8.0 you need to finalize all open change requests of the application Master Data Governance for Financials.

- **Connection to SAP Business Warehouse (BW)**

For the connection between SAP Business Warehouse (BW) and Master Data Governance for Financials 8.0, you need to ensure the following: You have assigned the authorization object `USMD_EDTN` to the user that is utilized for the connection from the BW system to the MDG system.

- **Editions and Change Request Types**

For information about the BC Sets `CA-MDG-APP-FIN_EDITION_05` and `CA-MDG-APP-FIN_CR_TYPES_06` in the context of upgrading to MDG 8.0, see SAP Note [2138778](#).

## 2.9 Software Component Matrix

This Master Guide provides an overview of the system landscape for SAP Master Data Governance. For more information about the required software components for SAP Master Data Governance processes, see the process component lists on SAP Service Marketplace at <http://service.sap.com/scl>

## 2.10 System Landscape

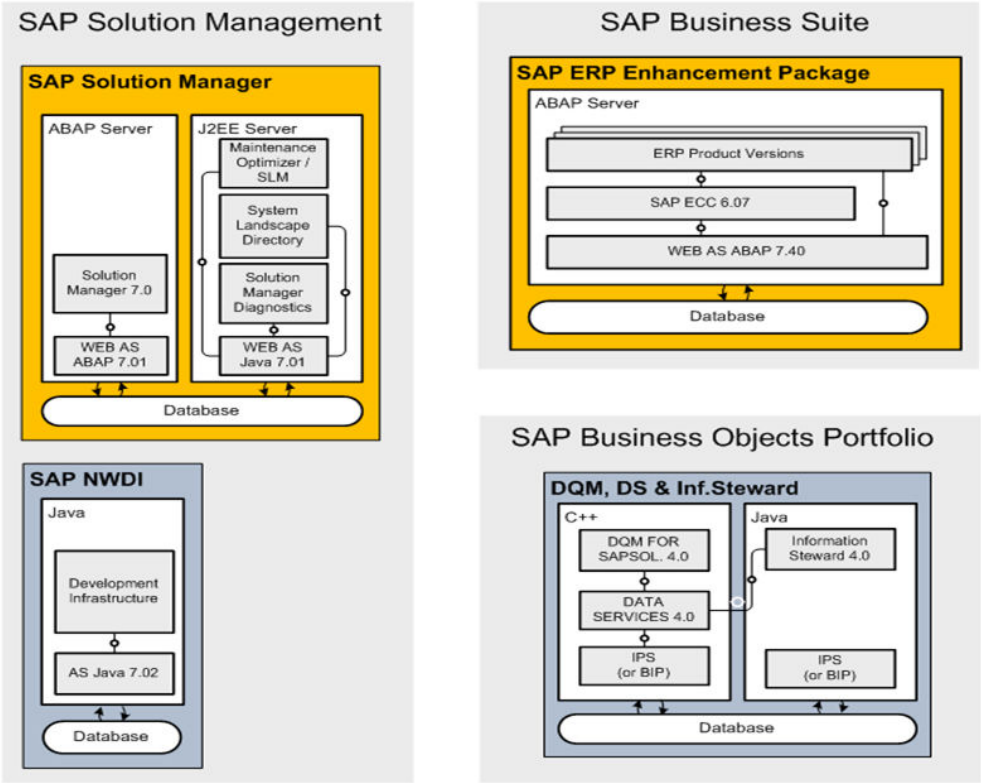
### 2.10.1 System Landscape for the MDG Hub

MDG is designed for low TCO. It runs on a single ABAP stack. You must install SAP ERP in order to use the MDG applications.

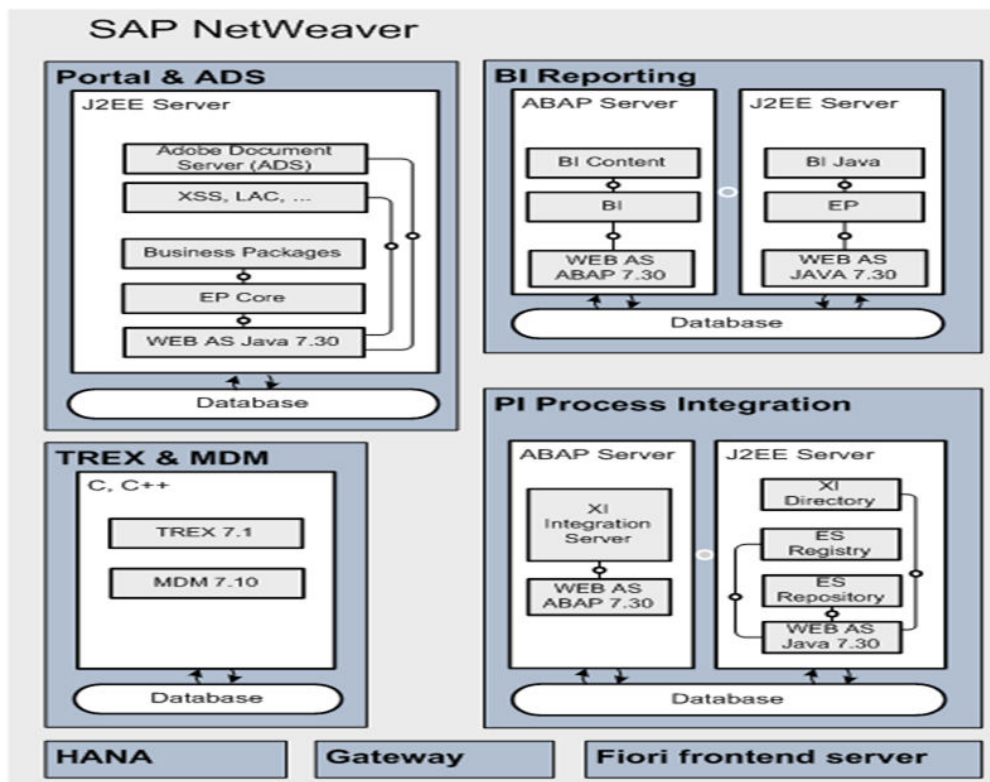
For EHP7, the SAP ERP Enhancement Package and SAP Solution Manager are mandatory components. For Master Data Governance for Material 8.0, TREX/Enterprise Search is optional if an SAP HANA database has been installed or another search provider has been implemented.

For MDG 8.0 you need to install EHP7.

All other components are optional.



System Landscape for MDG 8.0



The following optional components are available for enhancing:

- Enterprise Search: Search and Duplicate Check (mandatory for Material)
- SAP Business Objects Data Quality Management: Duplicate Check & Address Validation
- SAP Information Steward: Data Quality Reporting (with SAP Information Steward 4.0 and higher) and Data Quality Remediation (with SAP Information Steward 4.1 SP01 and higher)
- SAP Business Objects analytical dashboards: Alternative UIs (instead of standard ALV lists)

#### i Note

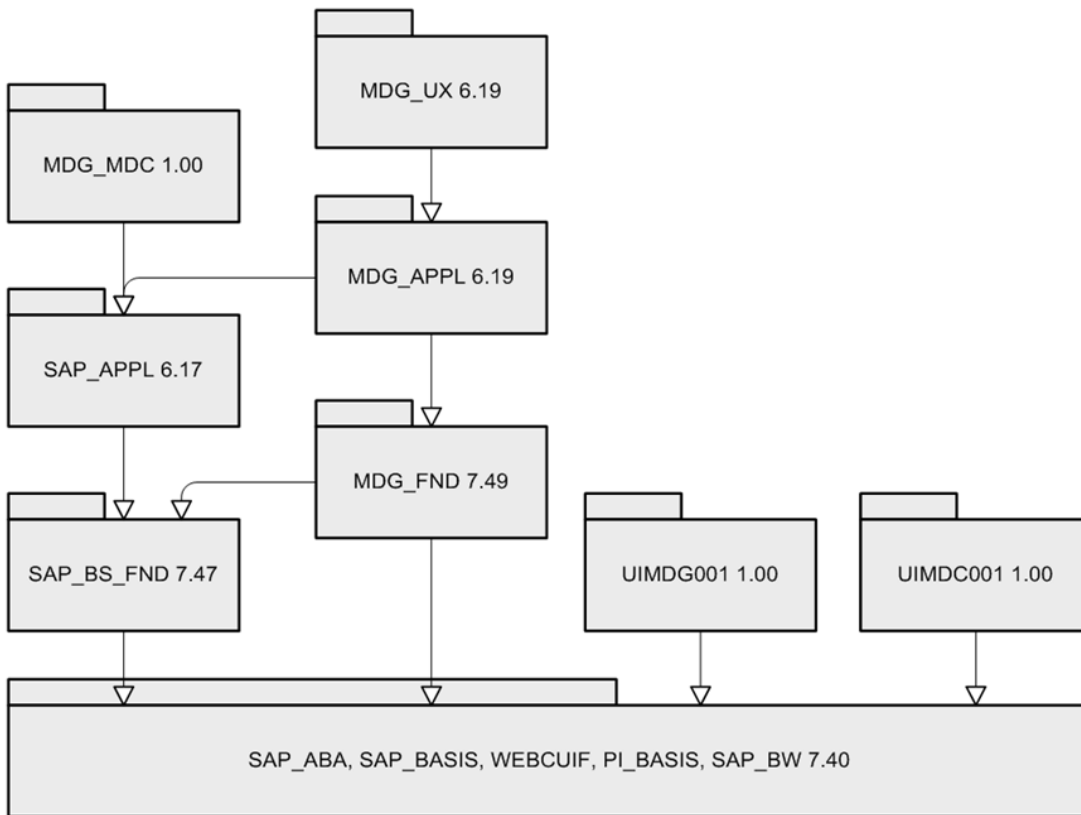
SAP Business Objects analytical dashboards require a JAVA server.

- SAP NetWeaver PI: Third-Party integration or complex system landscape management
- SAP Portal (optional SAP NetWeaver Business Client)
- Adobe Document Server for print forms and interactive forms (Internal Service Requests)

#### i Note

Interactive forms can be used in alternative to WebDypro applications.

- Fiori Frontend Server
- SAP HANA EIM SP09 and higher



## 2.10.2 Modeling in PPMS

### 2.10.2.1 Introduction

The following modeling information you find in the Product and Production Management System (PPMS):

### 2.10.2.2 Product, Product Version, Instance and Technical Usage

- Product: SAP MASTER DATA GOVERNANCE
- Product Version: SAP MASTER DATA GOVERNANCE 8.0
- Instance: Master Data Governance
- Technical Usage: Master Data Governance

## 2.11 Installation Options and Upgrade Sequence

### 2.11.1 Installation sequence

#### 2.11.1.1 Introduction

The following tables describe the installation options for MDG 8.0 based on SAP ERP EHP7.

#### 2.11.1.2 MDG, Consolidation: Standardization and Matching Adapters of SAP HANA EIM

If for MDG, consolidation you want to use the standardization adapters and the matching adapters of SAP HANA Enterprise Information Management (SAP HANA EIM) SP09, you need to implement SAP HANA EIM SP09.

##### i Note

The term *standardization* in MDG, consolidation is referred to as *cleansing* in SAP HANA EIM.

For more information on the installation and configuration of SAP HANA EIM SP09 regarding extract, transfer, and load (ETL) functions, standardization, and matching, see the following documents available at [http://help.sap.com/hana\\_options\\_eim](http://help.sap.com/hana_options_eim):

- [SAP HANA Enterprise Information Management Master Guide](#)
- [SAP HANA Enterprise Information Management Administration Guide](#)
- [SAP HANA Enterprise Information Management Configuration Guide](#)

For more information on the MDG, consolidation-specific settings, see Customizing activity *Specify Adapters* under *Master Data Governance, Consolidation*.

#### 2.11.1.3 SAP HANA-Based Search for Master Data Governance

The SAP HANA database must be on support package 06. We recommend to install the highest available version of the SAP HANA database.

##### ⚠ Caution

SAP HANA fuzzy search capabilities cannot be consumed using ABAP Open SQL. Therefore you always need a secondary database connection where the SQL statement can be handled using native SQL.

##### Component DMIS

If you need SLT mapping for the MDG HANA search because you are using SAP HANA in a side-by-side environment and are not using SAP HANA as the primary database, you need to install the component DMIS. Do not use DMIS versions lower than DMIS 2011\_1\_700 SP04 or according to SPs of other component versions. If you do not use the MDG HANA search or you use HANA as the primary database, you do not have to install the component DMIS.

### SAP HANA-Based Search Drill-Down Search for Master Data Governance

We recommend the single system deployment scenario: Development hub and SAP NetWeaver Gateway hub are both installed on the same system. Since MDG 8.0 is based on NetWeaver 7.40, you do not need to install the Gateway component `SAP_GWFND` because it is part of NetWeaver 7.40.

For SAP NetWeaver release NW740, UI5 is part of the bundle. For more information on the drill-down search, see *Configuring Drill-Down Search (Optional)* at <https://help.sap.com> under **SAP Business Suite** **» SAP ERP Add-Ons** **» SAP Master Data Governance** **» SAP Master Data Governance 8.0** **» Application Help** **» Configuration of Master Data Governance** **» Configuration of SAP MDG, Central Governance** **» Configuring Master Data Governance for Custom Objects** **» Data Quality and Search** **» Search Providers for Master Data Governance** **» Configuring SAP HANA-Based Search for MDG**.

## 2.11.1.4 Master Data Governance for Financials

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server or SAP R/3 Server	Install or upgrade to MDG 8.0	Mandatory	MDG 8.0 supports EHP7 of SAP ECC Server
SAP NW Business Intelligence (BI)	Install or upgrade to MDG 8.0	Optional	n.a.
SAP NW Enterprise Portal / SAP NW – EP Core	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW SEM (Strategic Enterprise Management)	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP Netweaver 7.1
SAP NW Enterprise Search	Install or upgrade to MDG 8.0	Optional	TREX 7.1
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP NW Process Integration (PI /XI))	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30



## 2.11.1.5 Master Data Governance for Material

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server	Install or upgrade to MDG 8.0	Mandatory	MDG 8.0 supports EHP7 of SAP ECC Server
SAP NW Enterprise Search	Install or upgrade to MDG 8.0	Mandatory	TREX 7.1
SAP NW Master Data Management	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP NetWeaver 7.1
SAP NW Enterprise Portal	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW Process Integration (PI /XI)	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
BI Java Components and Java Server for Graphical Analytics	Install or upgrade to MDG 8.0	Optional	n.a.
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Mandatory	TREX 7.1

## 2.11.1.6 Master Data Governance for Customer

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server	Install or upgrade to MDG 8.0	Mandatory	MDG 8.0 supports EHP7 of SAP ECC Server
SAP NW Enterprise Search	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP NW Master Data Management	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP NetWeaver 7.1
SAP NW Enterprise Portal	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW Process Integration (PI /XI)	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
BI Java Components and Java Server for Graphical Analytics	Install or upgrade to MDG 8.0	Optional	n.a.
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Optional	TREX 7.1

Component	Action	Mandatory/Optional	Remarks
SAP Business Objects Data Quality Management	Install or upgrade to MDG 8.0	Optional	n.a.

### Enhanced Integration for SAP CRM

MDG 8.0 supports the following releases for the enhanced integration for SAP CRM:

- SAP CRM as a client: SAP CRM 7.0 EHP02 and higher
- SAP ERP as a client: SAP R/3 4.70 (SAP R/3 Enterprise) and higher

#### Replication Mode

The communication between an SAP CRM system and the MDG hub system takes always place using SOA services. The communication between an SAP ERP system and the MDG hub system takes either place using SOA services or using IDocs of type DEBMAS (valid for older SAP ERP releases). If you want to replicate using ALE between the MDG hub and the ERP client you need to create a new implementation of BADl IDOC\_DATA\_MAPPER. A further BADl implementation is necessary if the release of your CRM system is lower than CRM 7.0 EHP03.

For more information, see SAP note [1929736](#).

#### Distribution Lock and Restart of Business Transactions in SAP CRM

You can use the distribution lock for business transactions and the restart of business transactions in SAP CRM.

For more information, see SAP note [1975213](#).

## 2.11.1.7 Master Data Governance for Supplier

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server	Install or upgrade to MDG 8.0	Mandatory	MDG 8.0 supports EHP7 of SAP ECC Server
SAP NW Enterprise Search	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP NW Master Data Management	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP NetWeaver 7.1
SAP NW Enterprise Portal	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW Process Integration (PI /XI)	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
BI Java Components and Java Server for Graphical Analytics	Install or upgrade to MDG 8.0	Optional	n.a.

Component	Action	Mandatory/Optional	Remarks
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP Business Objects Data Quality Management	Install or upgrade to MDG 8.0	Optional	n.a.

### 2.11.1.8 Master Data Governance for Business Partner

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server	Install or upgrade to MDG 8.0	Mandatory	MDG 7.0 supports EHP7 of SAP ECC Server
SAP NW Enterprise Search	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP NW Master Data Management	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP NetWeaver 7.1
SAP NW Enterprise Portal	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW Process Integration (PI /XI)	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
BI Java Components and Java Server for Graphical Analytics	Install or upgrade to MDG 8.0	Optional	n.a.
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP Business Objects Data Quality Management	Install or upgrade to MDG 8.0	Optional	n.a.

### 2.11.1.9 Master Data Governance for Custom Objects

Component	Action	Mandatory/Optional	Remarks
SAP ECC Server	Install or upgrade to MDG 8.0	Mandatory	MDG 8.0 supports EHP7 of SAP ECC Server



<b>Component</b>	<b>Action</b>	<b>Mandatory/Optional</b>	<b>Remarks</b>
SAP NW Master Data Management	Install or upgrade to MDG 8.0	Optional	Minimum hub requirement: SAP NetWeaver 7.1
SAP NW Enterprise Portal	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
SAP NW Process Integration (PI /XI)	Install or upgrade to MDG 8.0	Optional	SAP NetWeaver 7.30
BI Java Components and Java Server for Graphical Analytics	Install or upgrade to MDG 8.0	Optional	n.a.
Search and Classification (TREX)	Install or upgrade to MDG 8.0	Optional	TREX 7.1
SAP Business Objects Data Quality Management	Install or upgrade to MDG 8.0	Optional	n.a.

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