



SAP Master Data Governance
Master and Master Upgrade Guide
for
Utopia EAM Solutions for MDG™

CUSTOMER

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Table of Contents

Document History	3
Getting Started.....	3
About this Document.....	3
Related Documents.....	3
Important SAP Notes	3
Utopia EAM Solutions for MDG™ Installation and Upgrade Overview	4
Master Data Governance for Equipment (uEQUIP™)	5
Master Data Governance for Functional Location (uFLOC™)	5
Master Data Governance for MRO Bill of Material (uMROBOM™).....	6
Upgrade Paths.....	6
Upgrading Utopia EAM Solutions for MDG™ to 7.10 SP02.....	6
Upgrade of Software Components	7
Application-specific Information Regarding Upgrades to Utopia EAM Solutions for MDG™ 7.10 SP02.....	7
Security Roles for Menu Structure and Authorization.....	7
Installation Options and Upgrade Sequence	7
Installation Sequence.....	7
Post-Installation Steps – MDG HUB Deployment Model Only.....	8
Language Support and Installation Information	8

Document History

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version under <http://service.sap.com/instguides>

The following table provides an overview of the most important document changes

Table 1 Document Change History

Version	Date	Description
1.0	2015-03-30	Initial Version
1.1	2015-07-13	UGI710-SP02
2.0	2015-08-14	Version ID Updates

Getting Started

About this Document

This Master Guide is the central starting point for the technical implementation of business processes for the Utopia EAM Solutions for MDG™ Solution Extension 7.20. This Master Guide provides an overview of processes in the Utopia EAM Solutions for MDG™ Solution Extension

Related Documents

Please refer to the Configuration Guide for the Utopia EAM Solutions for MDG™ product suite

Table 2

Content	Location on Utopia Help Portal
Utopia EAM Solution for MDG™ 7.10 Configuration Guide	http://www.utopiainc.com/help-portal-mdg-for-eam -> Downloads -> PDF Files

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 for the upgrade documentation. Make sure that you have the up-to-date version of each SAP Note, which can be found on SAP Service Marketplace at service.sap.com/notes

Table 3

SAP Note Number	Title	Category
2078099	Release Strategy for SAP Master Data Governance, Enterprise Asset Management extension by Utopia	Release Planning Information
2077179	Functional Restrictions in SAP MDG-EAM by Utopia 7.00 (up to SP00)	Functional Restriction Note
2078096	SAP Master Data Governance, Enterprise Asset Management extension by Utopia 7.0 Release Information Note	Release Information Note
2145353	Functional Restrictions in SAP MDG-EAM by Utopia 7.10 (up to SP02)	Functional Restriction Note
2146526	SAP Master Data Governance, Enterprise Asset Management extension by Utopia 7.10 Release Information Note	Release Information Note

Utopia EAM Solutions for MDG™ Installation and Upgrade Overview

Before you activate the Utopia EAM Solutions for MDG™, ensure you have the administration authorization for MDG. The required authorization objects are delivered with the authorization role SAP_MDG_ADMIN. In transaction PFCG, SAP recommends 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 of **U1**, and the values for the authorization activity ACTVT Activity (for example **01: Create or generate** or **02: Change**).

The following MDG Business Functions must be activated before installing or upgrading the Utopia EAM Solution for MDG™

- Master Data Governance, Generic Functions (MDG_FOUNDATION)

This business function provides you with basic features for data modeling, process enhancement and configuration, analytics, and data replication framework and transfer.

- 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, 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, 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, Generic Functions 7.0 Feature Set (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 Equipment (uEQUIP™)

With Master Data Governance for Equipment you can control the governance of equipment master data on a central hub. Within the governance process change requests are used to control the creation and change of an Equipment record. While the equipment data is stored temporarily in the staging area, the change requests are forwarded automatically to a master data specialist for any revisions. As soon as the change request is approved the new equipment master data is stored in the existing ERP master data tables.

On the Central Hub, you can

Govern equipment data and replicate the equipment master data to different client systems such as ERP, or non-SAP systems.

Use file upload function to upload data into the master data hub.

Master Data Governance for Functional Location (uFLOC™)

With Master Data Governance for Functional Location you can control the governance of functional location master data on a central hub. Within the governance process change requests are used to control the creation and change of a Functional Location record. While the functional location data is stored temporarily in the staging area, the change requests are forwarded automatically to a master data specialist for any revisions. As soon as the change request is approved the new functional location master data is stored in the existing ERP master data tables.

On the Central Hub, you can

Govern functional location data and replicate the functional location master data to different client systems such as ERP, or non-SAP systems.

Use file upload function to upload data into the master data hub.

Master Data Governance for MRO Bill of Material (uMROBOM™)

With Master Data Governance for MRO Bill of Materials you can control the governance of MRO Bill of Materials master data on a central hub. Within the governance process change requests are used to control the creation and change of an MRO Bill of Material record. While the MRO Bill of Materials data is stored temporarily in the staging area, the change requests are forwarded automatically to a master data specialist for any revisions. As soon as the change request is approved the new MRO Bill of Materials master data is stored in the existing ERP master data tables.

On the Central Hub, you can

Govern MRO Bill of Materials data and replicate the MRO Bill of Materials master data to different client systems such as ERP, or non-SAP systems.

Use file upload function to upload data into the master data hub.

Upgrade Paths

Upgrading Utopia EAM Solutions for MDG™ to 7.10 SP02

You can upgrade the following Utopia EAM Solutions for MDG™ applications from version 7.00 to 7.10 SP02 OR from Version 7.10 SP01 to 7.1 SP02

- Utopia EAM Solutions for MDG™

CAUTION

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

Therefore, activate the **U1** data model after upgrading to Utopia EAM Solutions for MDG™ 7.10 SP02 through the customizing activity **Edit Data Model** under

Master Data Governance -> General Settings-> Data Modeling

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.

Upgrade of Software Components

Application-specific Information Regarding Upgrades to Utopia EAM Solutions for MDG™ 7.10 SP02

None.

Security Roles for Menu Structure and Authorization

With Utopia EAM Solutions for MDG™ version 7.10, Utopia delivers roles for the menu structure and for authorizations.

The following role for enabling Back-End processing of the EAM Objects is available for Master Data Governance of the EAM Objects:

- /UGI/_MDGEAM_ECC_PM – Back-end processing authorizations for EAM Objects

You need the role /UGI/_MDGEAM_ECC_PM in order to process the back-end objects during change request processing.

The following rule for MDG user authorization is available for Master Data Governance of the EAM Objects:

- /UGI/_MDGEAM_ALLUSR

You need the role /UGI/_MDGEAM_ALLUSR in order to use the Utopia EAM Solutions for MDG™

The following roles for authorizations of users are available for the Utopia EAM Solutions for MDG™:

- /UGI/_MDGEAM_REQ, Master Data Governance for EAM: Requester
- /UGI/_MDGEAM_SPEC, Master Data Governance for EAM: Specialist
- /UGI/_MDGEAM_STEW, Master Data Governance for EAM: Data Steward

Installation Options and Upgrade Sequence

Prerequisites

You can install the Utopia EAM Solutions for MDG™ 7.10 SP02 on SAP MDG 7.0 SP03

Installation Sequence

The following table describes the installation requirements for Utopia EAM Solutions for MDG™

Component	Action	Mandatory/Optional	Remarks
SAP MDG	Install or upgrade to MDG 7.0	Mandatory	Utopia EAM Solutions for MDG™ requires a minimum of MDG 7.0 SP03
SAP ECC / NetWeaver, etc.			Refer to MDG 7.0 Feature Pack Master/Upgrade Master Guide: MDG 7.0 Feature Pack Master and Master Upgrade Guide

Post-Installation Steps – MDG HUB Deployment Model Only

In the case where MDG is deployed in a Hub model, synchronization of the customization between the MDG Hub and the governed ECC System is a critical process. Please refer to the SCN Document on this topic for important information regarding this process: <http://scn.sap.com/docs/DOC-41435>

Before using MDG-EAM for the MROBOM object (uMROBOM™), please ensure that you:

- Synchronize MRO and component item material master records
- Synchronize Documents
- Institute a process for maintenance of the above whether by manual change management, MDG governance in the case of material master records, or automatic replication through change pointers.

Language Support and Installation Information

As of release 7.10 of the Utopia EAM Solutions for MDG™ Suite, the following languages are supported:

- English
- German
- Korean

The Utopia EAM Solutions for MDG™ suite is delivered with English as the default language. The above language packages can be imported via the [SMLT](#) transaction.

Please contact Utopia for any other language support requirements.