Fiori App Implementation on Utopia EAM Solutions for MDG™

Document History

The following tables provides an overview of the most important document changes and approvals.

Table 1 Document Change History

Version	Date	Description	Name
1.2	13/11/2016	Initial Version	P Rashmi
1.2	13/11/2016	Initial Reviewer	Kumar Saurav
1.2	13/11/2016	Final Reviewer	Lyle

EAM Fiori App Implementation

System Landscape Requirements

In order to be able to implement this app, your system landscape has to be enabled for SAP Fiori. Depending on the database type serving as the basis in your system landscape, it has to be set up for SAP Fiori and has to meet the respective prerequisites:

Database	SAP Fiori System Landscape Setup	Prerequisites
ABAP environment	Setup of SAP Fiori System Landscape for SAP Business Suite with ABAP Environment	Installation Requirements (Transactional Apps) Activating SAP Gateway OData Services
HANA database	Setup of SAP Fiori System Landscape for SAP Business Suite with SAP HANA Database	Installation Requirements (Fact Sheets)

The SAP product version in the back-end system serving as the basis for the app must be the following:

Required Back-End Product (Product Version Stack)	• EHP7 SPS10 MDG 7 SP07

Each SAP Fiori app consists of front-end components and back-end components:
- The **front-end components** of the app consist of the user interfaces and content required for launching the app on the SAP Fiori Launchpad. These components have to be installed on your **front-end server**.
- The **back-end components** of the app mainly consist of the OData services required for the app. These components have to be installed in your **back-end system**.

The front-end and back-end components of the app are delivered with the following SAP product versions as part of the listed software components. The required software components for the app are contained in the listed product instances:

App Component	Required SAP Product Version (Support Package Stack)	Available Instances Containing Software Component	Software Component Required for App (Support Package)
Front-End Components	UI for Utopia EAM	• UI for MDG NW730 SP 00	UGIEAMUI – Utopia Software Component
Back-End Components	• SAP Master Data Governance 8.0 (Initial Shipment Stack)	• MDG UI Ext. on EhP6 • Master Data Governance • MDG UI Ext. on EhP7	UGIOD01

The app offers the possibility to upload documents. For security reasons, we strongly recommend that you install an appropriate **virus scanner** in your respective back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content. For more information about virus scanning and scan profiles for SAP Fiori apps, see Virus Scanning.

MDG EAM Fiori App Details

Required Back-End Product
SAP Master Data Governance
Line of Business
Asset Management, Finance, Manufacturing, Marketing/Engineering, Sales, Service, Sourcing and Procurement, Supply Chain
Application Type
Transactional (Fiori UI5)
Database
Any DB

Implementation Information:

Installation:

The app consists of front-end components (such as the user interfaces) and back-end components (such as the OData service). The back-end and front-end components are delivered with separate products and have to be installed in a system landscape that is enabled for SAP Fiori.

Front-End Components

Product Version	SAP MASTER DATA GOVERNANCE 8.0 Utopia EAM Solution for SAP MDG™ 730 SP00 Utopia EAM solutions for MDG - Enhanced IDOC processing 730 SP00

Support Package Stack	00
Product Instance(s)	UTOPIA EAM SOLUTIONS MDG 7.3
Software Component Version	UGIEAMUI – Utopia Fiori Software Component – SP 00
Prerequisite for installation	UTOPIA EAM SOLUTIONS MDG 7.3 is an *Add-On* to SAP FIORI FRONT-END SERVER 2.0 - SPS Initial Shipment Stack *or* SAP GATEWAY 2.0 - SPS 10 (03/2015) *or* SAP NETWEAVER 7.4 - SPS 04 (09/2013)

Back-End Components (ABAP)

Product Version	SAP MASTER DATA GOVERNANCE 8.0 Utopia EAM Solution for SAP MDG™ 730 SP00 Utopia EAM solutions for MDG - Enhanced IDOC processing 730 SP00
Support Package Stack	00
Product Instance(s)	Master Data Governance – Enterprise Asset Management
Software Component Version	UGIOD01 – Utopia OData Software Component - SP 00
Prerequisite for installation	UTOPIA EAM SOLUTIONS MDG 7.3 is an *Add-On* to SAP FIORI FRONT-END SERVER 2.0 - SPS Initial Shipment Stack *or* SAP GATEWAY 2.0 - SPS 10 (03/2015) *or* SAP NETWEAVER 7.4 - SPS 04 (09/2013)

1.) Request Equipment

With the transactional app Request Equipment, you can request a new equipment for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.
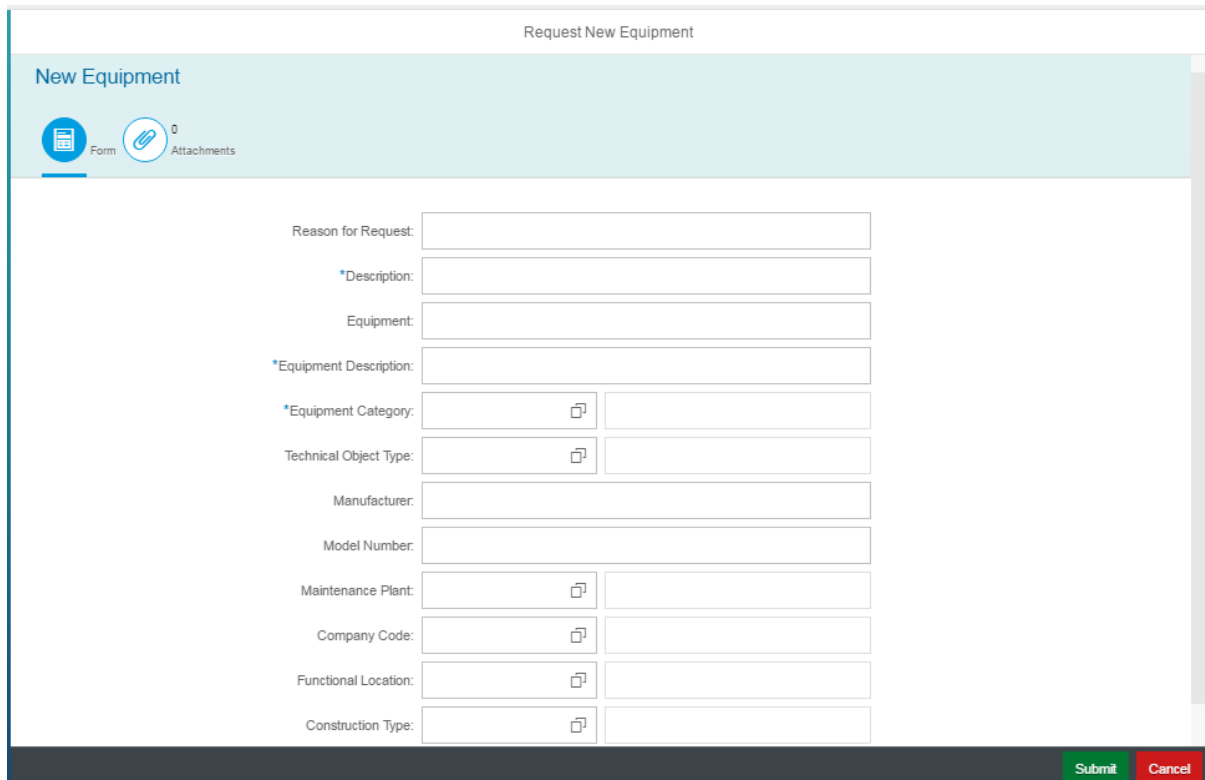
Key Features

- Lean requestor form for a user new to MDG EAM Equipment.
- Option to upload attachments containing request details
- Creates an Equipment CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.
- Equipment CR creation with both External & Internal Number is supported.

Technical Features

- Equipment CR creation with both External & Internal Number is supported.

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Equipment.

Configuration:

The following sections list app-specific data required to configure the app:
SAPUI5 Application
The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/EQ

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	Equipment
Action	requestEquipment
SAPUI5 Application	/UGIEAMUI/EQ

Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_EQUIPMENT_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_equipment_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_equipment_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/eq

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/EQ

2.) Change Equipment

With the transactional app Change Equipment, you can request a new change equipment for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features

- Lean requestor form for a user new to MDG EAM Equipment Change.
- Option to upload attachments containing request details
- Creates an Equipment Change CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.

Technical Features

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Equipment Change.

Configuration:

The following sections list app-specific data required to configure the app:

SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/EQC

SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_CH_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	EquipmentChange

Action	changeEquipment
SAPUI5 Application	/UGIEAMUI/EQC

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_CH_REQUESTOR_T	Master Data EAM Change Requestor (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_CH_REQUESTOR_T	Master Data EAM Change Requestor (MDG)
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_EQUIPMENT_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_equipment_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_equipment_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/eqc

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/EQC

3.) Request Functional Location

With the transactional app Request Functional Location, you can request a new functional location for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features

- Lean requestor form for a user new to MDG EAM Functional Location.
- Option to upload attachments containing request details
- Creates a Functional Location CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.
- Functional Location CR creation with External Number is supported.

Technical Features

- Functional Location CR creation with External Number is supported.

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Functional Location.

Configuration:

The following sections list app-specific data required to configure the app:

SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/FLOC

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T	
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T	
Semantic Object	FunctionalLocation	
Action	requestFloc	
SAPUI5 Application	/UGIEAMUI/FLOC	
Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor

PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_FLOC_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_floc_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_floc_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/floc

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/FLOC

4.) Request Maintenance Plan

With the transactional app Request Maintenance Plan, you can request a new maintenance plan for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.
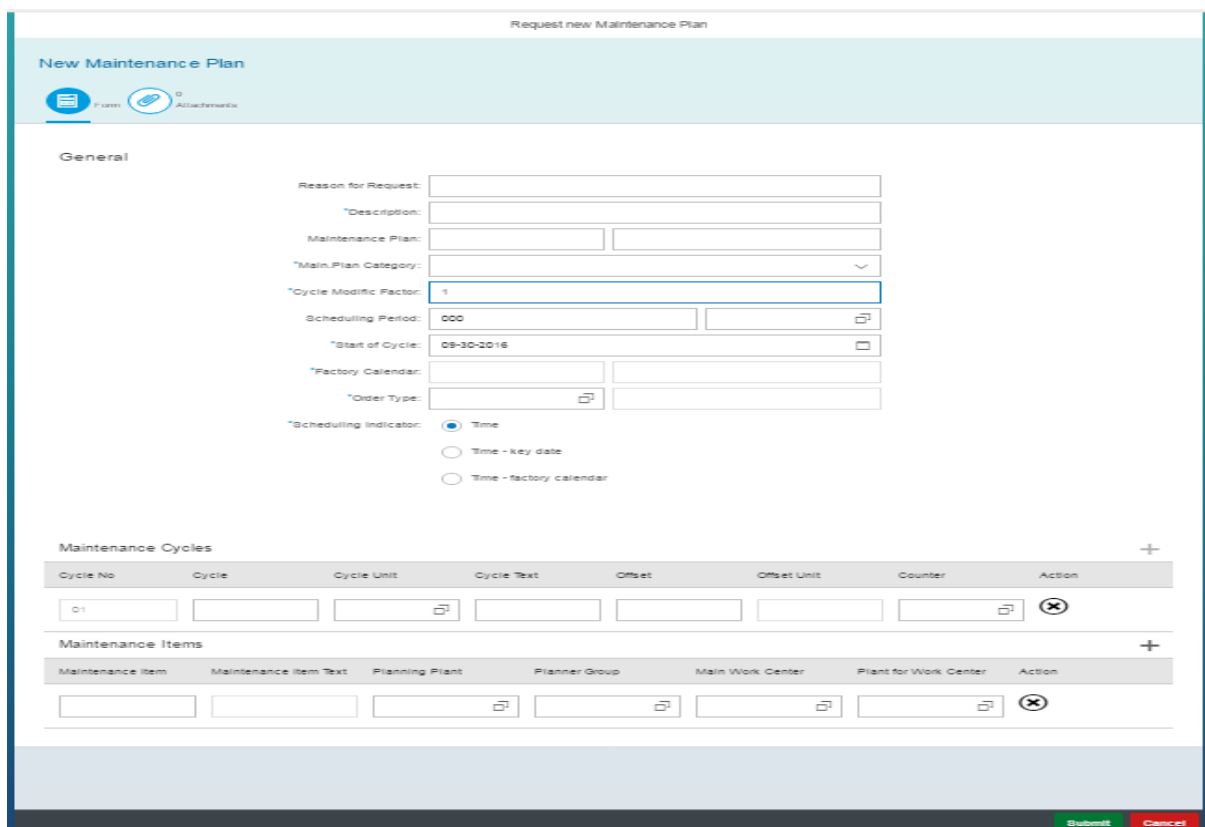
Key Features

- Lean requestor form for a user new to MDG EAM Maintenance Plan.
- Option to upload attachments containing request details
- Creates a Maintenance Plan CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.
- Maintenance Plan CR creation with both External and Internal Number is supported.

Technical Features

- Maintenance Plan CR creation with both External and Internal Number is supported.
- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Maintenance Plan.

Configuration:

The following sections list app-specific data required to configure the app:
SAPUI5 Application
The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MPMI

SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	MaintPlanMaintItem
Action	requestMPMI
SAPUI5 Application	/UGIEAMUI/MPMI

Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) – Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_MPMI_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_mpmi_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_mpmi_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/mpmi

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MPMI

5.) Request Measuring Point

With the transactional app Request Measuring Point, you can request a new measuring point for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features

- Lean requestor form for a user new to MDG EAM Measuring Point.
- Option to upload attachments containing request details
- Creates a Measuring Point CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.

Technical Features

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Measuring Point.

Configuration:

The following sections list app-specific data required to configure the app:
SAPUI5 Application
The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MSPT

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	MeasPoint
Action	requestMeasPoint
SAPUI5 Application	/UGIEAMUI/MSPT

Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) – Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_MSPOINT_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_mspoint_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_mspoint_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/mspt

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MSPT

6.) Request MRO BOM

With the transactional app Request MRO BOM, you can request a new MRO BOM for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features
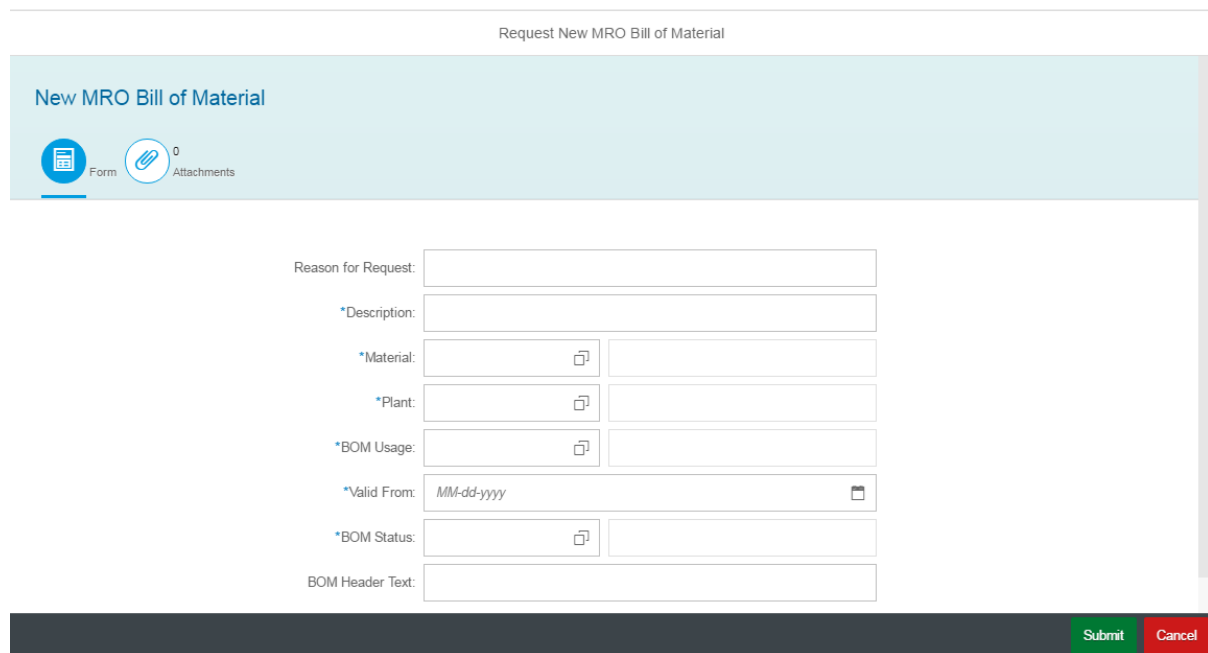
- Lean requestor form for a user new to MDG EAM MRO BOM.
- Option to upload attachments containing request details
- Creates an MRO BOM CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.

Technical Features

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM MRO BOM.

Configuration:

The following sections list app-specific data required to configure the app:
SAPUI5 Application
The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MBOM

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	Mbom
Action	requestMbom
SAPUI5 Application	/UGIEAMUI/MBOM

Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) – Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_MROBOM_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_mrobom_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_mrobom_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/mbom

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MBOM

7.) Request Task List

With the transactional app Request Task List, you can request a new Task List for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features

- Lean requestor form for a user new to MDG EAM Task List.
- Option to upload attachments containing request details
- Creates a Task List CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.

Technical Features

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Task List.

Configuration:

The following sections list app-specific data required to configure the app:

SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/TL

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	TaskList

Action	requestTaskList
SAPUI5 Application	/UGIEAMUI/TL
Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_TASKLIST_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node:
/default_host/sap/opu/odata/ugiod01/mdg_eam_tasklist_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_tasklist_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node:
/default_host/sap/bc/ui5_ui5/ugieamui/tasklist

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/TL

8.) Request Work Center

With the transactional app Request Work Center, you can request a new work center for an organization. This app is easily accessible for a general user with limited knowledge of master data governance.

Key Features

- Lean requestor form for a user new to MDG EAM Work Center.
- Option to upload attachments containing request details
- Creates a Work Center CR with only basic data / minimum fields.
- The F4 helps in the form accepts manual entry and display corresponding description of the field.

Technical Features

- This app enables you to upload documents. For security reasons, we strongly recommend that you install a **virus scanner** in your system landscape. For more information, see Virus Scanning.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can trigger the request to create a new MDG EAM Work Center.

Configuration:

The following sections list app-specific data required to configure the app:

SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/WC

SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T
Semantic Object	WorkCenter
Action	requestWorkCenter

SAPUI5 Application	/UGIEAMUI/WC
Business Catalog (Launchpad)	/UGIEAMUI /SAP_MDG_BC_REQUESTOR_T	Master Data EAM Requestor (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T	Master Data EAM Requestor
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_REQUEST	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_EAM_WORKCENTER_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node: /default_host/sap/opu/odata/ugiod01/mdg_eam_workcenter_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/mdg_eam_workcenter_srv (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node: /default_host/sap/bc/ui5_ui5/ugieamui/wc

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/WC

9.) Approve EAM Master Data

With the transactional app Approve EAM Master Data you can approve MDG master data change requests for a 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 Equipment, Functional Location, MRO BOM, Measuring Points, Maintenance Plan, Task List and Work Center objects.

Key Features
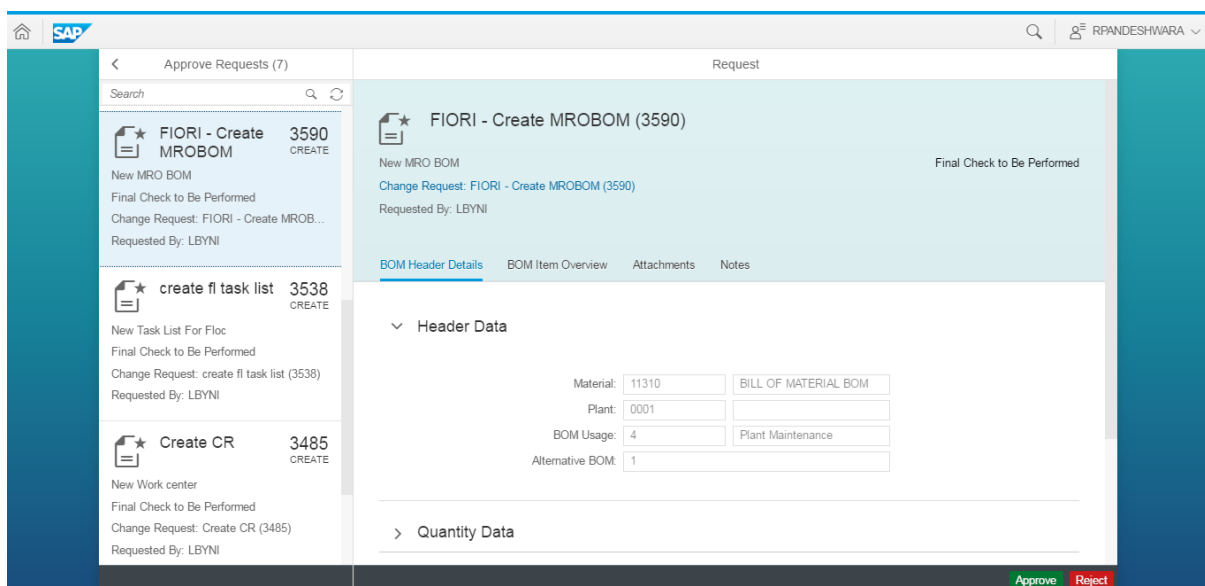
- Approve or reject MDG EAM Master Data
- Display the changed CR also to approver for approval of master data
- Display only fields which have data entered by the requestor
- Display all requests of step type 2 (Approve) to approver in the inbox by default.
- Download attachments that was uploaded by the Requestor.

Technical Features

- This app enables you to approve/reject MDG EAM Master Data.
- This app enables you to download documents supporting documents.

Product Features:

A general business user having no master data knowledge or SAP MDG application knowledge can approve the MDG EAM Master Data Request created by the requestor.

Configuration:

The following sections list app-specific data required to configure the app:

SAPUI5 Application
The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/APPR

SAP Fiori Launchpad
You require the following data to give users access to the app in the SAP Fiori EAM Launchpad.

Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDG_TC_T	
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDG_TCR_T	
Semantic Object	ApproveEAMCR	
Action	approveChangeRequest	
SAPUI5 Application	/UGIEAMUI/APPR	
Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDG_BC_APPROVER_T	Master Data EAM Approve (MDG) - Content
Business Group (Launchpad)	/UGIEAMUI/SAP_MDG_BCG_APPROVER_T	Master Data EAM Approver
LPD_CUST Role	UGIEAMUI	
LPD_CUST Instance	TRANSACTIONAL	
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDG_BCR_APPROVE	

OData Services:

The following OData services must be activated on the front-end server.
Users require PFCG authorization for the front-end and back-end systems.

OData Service	Version	Back-End Authorization Role (PFCG)
/UGIOD01/MDG_APPROVE_CR_SRV	001	

Implementation Tasks:

The following sections list tasks that have to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

Front-End Server: Activate OData Services

The MDG EAM OData services would be available under ICF node: /default_host/sap/opu/odata/ugiod01/mdg_eam_workcenter_srv

Component	Technical Name
OData Service (Version Number)	/UGIOD01/MDG_APPROVE_CR_SRV/ (001)

Front-End Server: Activate SAP UI5 Application

The MDG EAM UI5 Application would be available under ICF node: /default_host/sap/bc/ui5_ui5/ugieamui/appr

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/APPR

General Steps

Enable App for Access in SAP Fiori Launchpad
To define the access of single users to this app in the SAP Fiori Launchpad, technical content is delivered, such as catalogs and example roles.

Front-End Server and Back-End Server: Assign OData Service Authorizations to Users
You must assign OData service authorizations for the app to your users.

Configuration Tasks

To be able to implement the app, you must perform the following configuration tasks in the back-end system:

Implementing Lean Request Apps in Master Data Governance EAM (MDG EAM)

Use

The SAP Fiori EAM lean request Apps for Master Data Governance EAM are targeted towards a business user who does not have much expertise in master data handling, but would like to create a new organization for areas such as customer and supplier. With limited information, they can easily send a request to the master data expert using the SAP Fiori EAM application. The following SAP Fiori applications are delivered out-of-the-box for the MDG EAM lean request scenario:

- Request Equipment
- Request Functional Location
- Request MRO BOM
- Request Measuring Point
- Request Maintenance Plan
- Request Task List
- Request Work Center
- Change Equipment
- Approve EAM Master Data

Prerequisites

- You have activated the business function MDG_FOUNDATION_5.
- Assign System Alias and Activate OData Services:

MDG EAM - System
Alias and OData

- You have activated the following EAM objects to access the change request types for the Fiori applications:

Applications	Business Functions	Change Request Types	Business Activities
Equipment		EQMAST01	UEQ1
Functional Location		FUNCLO01	UFL1
MRO BOM		MATBOM01	UMB1
Measuring Point		MEASPT01	UMS1
Maintenance Plan		MPLAN01	UMP1
Task List		TSLIST01 TLFL01 TLEQ01	UTL1, FTL1, ETL1
Work Center		WRKCTR01	UWC1
Change Equipment		EQMAST02	UEQ2
Approve EAM Master Data			

Process

To configure the SAP Fiori applications for MDG, carry out following steps:

1. Import Predefined Change Request Types for SAP Fiori
2. MDG Back-End Configuration
    1. The new change request types must be configured for the MDG approval process.
    2. For the pre-delivered change request types, all the checks must be switched off for the MDG Fiori applications to work. If you want to use your own change request types for the MDG EAM Fiori apps, all the checks on your change request types should be switched off.
3. Configure the SAP Fiori Launchpad for MDG
    Add a Business Catalog
    0. Check that the role /UGIEAMUI/SAP_MDG_BCR_REQUEST & /UGIEAMUI/SAP_MDG_BCR_APPROVE is assigned to your user.
    1. Start the Launchpad designer in your NetWeaver Gateway system with the following URL:https://<server>:<port>/sap/bc/ui5_ui5/sap/arsrvc_upb_admn/main.html?sap-client=<clientnumber>&SCOPE=CONF ↱ .
    You can find the server and port names using transaction SMICM, and then choose the Services button.

You will see delivered content in the form of requestor tiles for Equipment, Functional Location, MRO BOM, Measuring Point, Maintenance Plan, Task List, Work Center and Change Equipment. This configuration is delivered as an example, with all applications assigned to the single role /UGIEAMUI/SAP_MDG_BCR_REQUEST, group /UGIEAMUI/SAP_MDG_BCG_CH_REQUESTOR_T, /UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T and catalog /UGIEAMUI/SAP_MDG_BC_CH_REQUESTOR_T, /UGIEAMUI/SAP_MDG_BC_REQUESTOR_T. If individual roles are required for each domain, for example Material, individual catalogs and groups containing the applications can be added.

Application	Semantic Object	Action	Business Catalog	Business Group
Equipment	Equipment	requestEquipment	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
Change Equipment	Equipment Change	changeEquipment	/UGIEAMUI/SAP_MDG_BC_CH_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_CH_REQUESTOR_T
Functional Location	FunctionalLocation	requestFloc	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
MROBOM	Mbom	requestMbom	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
Measuring Point	MeasPoint	requestMeasPoint	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T

Application	Semantic Object	Action	Business Catalog	Business Group
Maintenance Plan	MaintPlan MaintItem	requestMPMI	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
Task List	TaskList	requestTaskList	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
Work Center	WorkCenter	requestWorkCenter	/UGIEAMUI/SAP_MDG_BC_REQUESTOR_T	/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T
Approve EAM Master Data	ApproveEAMMAster	approveChangeRequest	/UGIEAMUI/SAP_MDG_BC_APPROVER_T	/UGIEAMUI/SAP_MDG_BCG_APPROVER_T

2.   Scroll through the list of catalogs until you find the business catalog /UGIEAMUI/SAP_MDG_BC_REQUESTOR_T and choose Add +.
3.   Choose the Target Mapping tile.
4.   Enter the semantic object and action as shown in the table above in the Intent section.
5.   In the Target section, enter the following data:

Launchpad Role	UGIEAMUI
Launchpad Instance	TRANSACTIONAL
Application Alias	Example: Request Equipment

6.   Save your entries.

Edit Application Parameters
7.   Open the Groups tab.
8.   Select the Master Data Requestor (MDG) (/UGIEAMUI/SAP_MDG_BCG_REQUESTOR_T) catalog.
9.   Add a new tile. You will see the newly added application.
10.   Choose the + symbol. You will see a green checkmark symbol.
11.   Logon to the MDG system and open transaction LPD_CUST.
12.   Search for the role UGIEAMUI and double-click to open it.
13.   Create a new application (for example, Request New Equipment). Enter any link text and the application type as **URL**.
14.   Choose Show Advanced (Optional) Parameters. Edit the application parameter URL by changing the UI5 application name to /sap/bc/ui5_ui5/ugieamui/<UI5ApplicationName>/webapp
15.   Enter the application alias from the table above.
16.   Change the Additional Information field to **SAPUI5.Component=<Nameofprojectcreatedinsystem>**, for example, **SAPUI5.Component=ugieamui.mdg.eam.equipment**.
17.   Save your entries.

Result

You can now launch all tiles in the Launchpad designer.

Appendix

1.) Abbreviation Used
   EAM   – Enterprise Asset Management
   MDG   – Master Data Management

CR   - Change Request
ICF   - Internet Communication Framework
MRO   - Maintenance, Repair, and Overhaul
BOM   - Bill of Material
DB   - Database
UI   - User Interface
IDoc   - Intermediate Document
OData   - Open Data Protocol
GW   - Gateway
NW   - NetWeaver
T.Code   - SAP Transaction Code