

MDG Enterprise Asset Management 730

Scope

This document contains the functionalities that are covered as part of MDG solution for Enterprise Asset Management v7.3. This document also contains the functionality that are considered as out of scope

MDG-EAM 7.3

Document History

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

Table 1 Document Change History

Version	Date	Description	Name
0.1	14/10/2016	Initial Version	Lyle Snyder

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1 Scope Overview

UGI 730 EAM content is valid for MDG 8.0 SP03

2 Based on ECC View

2.1 Equipment

Following Equipment topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with IE01 and IE02 are covered as part of scope

- Basic Data
- Equipment, Description, Equipment Category and Deletion Indicator
- Reference
- Copy Equipment
- General Data
- System-User Status
- General Reference Data
- General-Manufacturer Data
- Location Data
- Organization Account Assignment
- Organization-Responsibilities
- Structure
- Serialization Data
- Data Origin Indicators
- Configuration Data
- Class Assignments
- Characteristics Assignment
- UI Attributes

Depending upon Equipment Category the mentioned Sections/Components will be enabled in the in MDG UI.

2.2 Functional Location

Following Functional Location topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with IL01 and IL02 are covered as part of scope

- Basic Data
- Functional Location, Description, Functional Location Category, Deletion Indicator
- Copy
- Copy Functional Location, Copy Reference Functional Location
- Default values based on Superior Functional Location
- General Data
- System-User Status
- General - Reference Data
- General - Manufacturer Data
- Location Data
- Organization - Account Assignment
- Organization - Responsibilities
- Structure
- Class Assignments
- Characteristics Assignment

2.3 MRO Bill of Material

Following Material BOM topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with CS01 and CS02 are covered as part of scope

MBOM Header Details

- Header Data
- Quantity Data
- Validity Data
- Material Data
- BOM and Alternative Text

BOM Item Overview

- BOM Item Detail
- Quantity Data
- Additional Data
- MRP Data
- Purchasing Data
- Item Status
- BOM Document Assignment
- Item Text

2.4 Work Center

Following Work Center topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with IR01 and IR02 are covered as part of scope

- Basic Data
- General data, Standard Value Maintenance
- Default Values
- Capacities (Capacity Overview, Capacity Header, Assigning Pooled capacity)
- Scheduling
- Costing
- Technology
- Depending upon Work Center Category, the above fields will display in MDG UI and all related with Screen group and Field Selection Configuration in ECC using OPFA t-code

2.5 Task List (Equipment, Functional Location, and General)

Following Task List topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with General Task List-IA05, IA06, Equipment Task List- IA01, IA02 and Functional Location Task List- IA11, IA12 are covered as part of scope

- Header General View (GNL, EQTL and FLTL)
- Assignment to Header
- Task List overview (GNL, EQTL and FLTL)
- Operation (GNL, EQTL and FLTL)
- General operation overview
- Internal Processing operation (GNL, EQTL and FLTL)
- Standard values
- Wages

- External Processing operation (GNTL, EQTL and FLTL)
- External Activity
- Procurement Options

2.6 Maintenance Plan /Item

Following Maintenance Plan topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with IP01, IP41 and IP02 are covered as part of scope.

Only Single Cycle Maintenance Plan are supported for 730 release

- Basic Data
- Scheduling Parameters
 - Date Determination
 - Call Control Parameter
 - Scheduling indicator
 - Start Scheduling
- Additional Data
- Maintenance cycles
- Maintenance Items
 - Reference Object
 - Functional Location
 - Equipment
 - Assembly
 - Planning Data
 - Task List

Depending upon Maintenance Plan Category and Cycle unit the above fields will display in MDG UI.

2.7 Measuring Point

Following Measuring Point topics are covered as part of scope. Not all the Fields/buttons (additional functionalities) compared with IK01 and IK02 are covered as part of scope.

- Basic Data
- General Data
- Target Value
- Counter Data
- Additional Data
 - Measurement Range Limits

3 MDG Functionalities

3.1 Equipment

- Create Equipment
- Change Equipment
- Display Equipment
- Search in active area using DB Search
- Mass Change
- File Download
- File upload Create/Change

- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference
- Mandatory error messages on the top and link to take you to the fields
- Dynamic title
- Side Panel
- Data Import Framework
- Data Replication Framework
- Mark for Deletion
- Change documents

3.2 Functional Location

- Create Functional Location
- Change Functional Location
- Display Functional Location
- Search in active area using DB Search
- Mass Change
- File Download
- File upload Create/Change
- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference
- Dynamic title
- Side Panel
- Data Import Framework
- Data Replication Frame Work
- Mark for Deletion
- Change documents

3.3 MRO Bill of Material

- Create MBOM
- Change MBOM
- Display MBOM
- Search in active area using DB Search
- Mass Change
- File Download
- File upload Create/Change
- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference
- Dynamic title
- Side Panel
- Data Import Framework
- Data Replication Frame Work
- Mark for Deletion
- Change documents

3.4 Work Center

- Create Work Center
- Change Work Center
- Display Work Center
- Search in MDG staging and Search in active area using DB Search
- Mass Change
- File Download
- File upload Create/Change
- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference
- Mandatory error messages on the top and link to take you to the fields
- Dynamic title
- Side Panel
- Data Import Framework
- Data Replication Frame Work
- Mark for Deletion and Lock Indicator
- Change documents

3.5 Task List (GNTL, EQTL and FLTL)

- Create Task List
- Change Task List
- Display Task List
- Search in active area using DB Search
- Search in active area using HANA Search
- File Download
- File upload Create/Change
- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference
- Dynamic title
- Side Panel
- Data Import Framework
- Data Replication Frame Work
- Mark for Deletion
- Change documents

3.6 Maintenance Plan /Item

- Create Maintenance Plan
- Change Maintenance Plan
- Display Maintenance Plan
- Search in MDG staging and Search in active area using DB Search
- Mass Change
- File Download
- File upload Create/Change
- Multiple Objects Change Request
- Mixed Multiple Objects Change Request
- Copy with Reference Maintenance Plan
- Mandatory error messages on the top and Hyperlinked to take you to the fields

- Dynamic title
- Side Panel
- Context based adaptations
- HANA based Search and Duplicate Check functionalities
- Data Import Framework Create
- Data Import Framework Change
- Data Replication Frame Work
- Set and Reset Mark for Deletion flag
- Active/Inactive Indicator
- Change documents

3.7 Measuring Points

- Create Measuring Point
- Change measuring point
- Display measuring point
- Search in MDG Staging and search in active area
- Mass Change
- File Download
- File Upload Create and Change
- Multiple Objects change request
- Mixed multiple object change request
- Copy with Reference
- Active/Inactive indicator
- Mandatory error message on the top and link to take you to the fields
- Dynamic title
- HANA based search & duplicate check
- Context based adaptation
- Out of Box MDG Functionality
- Data Import framework with create, change of measuring points
- Standard change documents and auditing capabilities

4 Scope in detail for MDG

4.1 Equipment

4.1.1 Creation of Equipment

- Should maintain mandatory fields and Basic data fields
- Maintain Location data
- Possibility to maintain General Data
- Possibility to maintain Reference Data
- Possibility to maintain General Reference Data
- Possibility to maintain General Manufacturer Data
- Possibility to maintain Organization Account Assignment
- Possibility to maintain Organization-Responsibilities
- Possibility to maintain Structure
- Possibility to maintain Serialization Data
- Possibility to maintain Configuration Data
- Possibility to maintain Class Assignments

- Possibility to maintain Characteristics Assignment

4.1.2 Change of Equipment

- Possibility to Maintain/Change Basic data fields
- Possibility to Maintain/Change Reference
- Possibility to Maintain/Change General Data and General Reference Data
- Possibility to Maintain/Change General-Manufacturer Data
- Possibility to Maintain/Change Location Data
- Possibility to Maintain/Change Organization Account Assignment
- Possibility to Maintain/Change Organization-Responsibilities
- Possibility to Maintain/Change Structure
- Possibility to Maintain/Change Serialization Data
- Possibility to Maintain/Change Configuration Data
- Possibility to Maintain/Change Class Assignments
- Possibility to Maintain/Change Characteristics Assignment

4.1.3 Mass Change

- Functionality is available to change the master data for multiple Equipment to a common value through Multiple Object Processing.

4.1.4 Search

- Functionality available on fields by using DB search
- Functionality of HANA Search is supported subjective the hardware and setup

4.1.5 Copy Functionality

- Create new Equipment with copy functionality by using existing Equipment

4.1.6 File Download

- File download functionality is available for existing multiple Equipment

4.1.7 File upload Create/Change

- File upload create functionality is available for Creating multiple new Equipment and Change for existing multiple Equipment

4.1.8 Multiple Objects Change Request

- MDG – Equipment is equipped with the functionality to process multiple Equipment in single Change Request.

4.1.9 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Equipment Master, Functional Location, M-BOM, Measuring Point, Work Center) in a single change request.

4.1.10 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results and Mass change

4.1.11 Data Import Framework

- Data Import functionality is available for importing to create multiple Equipment using xml and csv files with key mapping and without key mapping and, key mapping and value mapping

4.1.12 Data Replication Frame Work

- Replication framework functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication

4.1.13 Change documents

- Change documents functionality is available for displaying which are the changes happened in Equipment

4.2 Functional Location

4.2.1 Creation of Functional Location

- Should maintain mandatory fields and Basic data fields
- Maintain Location data
- Possibility to maintain General Data
- Possibility to maintain Reference Data
- Possibility to maintain General Reference Data
- Possibility to maintain General-Manufacturer Data
- Possibility to maintain Organization Account Assignment
- Possibility to maintain Organization-Responsibilities
- Possibility to maintain Structure
- Possibility to maintain Class Assignments
- Possibility to maintain Characteristics Assignment

4.2.2 Change of Functional Location

- Possibility to Maintain/Change Basic data fields
- Possibility to Maintain/Change Reference
- Possibility to Maintain/Change General Data and General Reference Data
- Possibility to Maintain/Change General-Manufacturer Data
- Possibility to Maintain/Change Location Data
- Possibility to Maintain/Change Organization Account Assignment
- Possibility to Maintain/Change Organization-Responsibilities
- Possibility to Maintain/Change Structure
- Possibility to Maintain/Change Serialization Data
- Possibility to Maintain/Change Configuration Data
- Possibility to Maintain/Change Class Assignments
- Possibility to Maintain/Change Characteristics Assignment

4.2.3 Mass Change

- Functionality is available to change the master data for multiple Functional Location to a common value through Multiple Object Processing.

4.2.4 Search

- Functionality available on fields by using DB search
- Functionality of HANA Search is supported subjective the hardware and setup

4.2.5 Copy Functionality

- Create new Functional Location with copy functionality by using existing Functional Location

4.2.6 File Download

- File download functionality is available for existing multiple Functional Location

4.2.7 File upload Create/Change

- File upload create functionality is available for Creating multiple new Functional Location and Change for existing multiple Functional Location

4.2.8 Multiple Objects Change Request

- MDG – Functional Location is equipped with the functionality to process multiple Functional Location in single Change Request.

4.2.9 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Equipment Master, Functional Location, M-BOM, Measuring Point, Work Center) in a single change request.

4.2.10 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results and Mass change

4.2.11 Data Import Framework

- Data Import functionality is available for importing to create multiple Equipment using xml and csv files with key mapping and without key mapping and, key mapping and value mapping

4.2.12 Data Replication Frame Work

- Replication framework functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication

4.2.13 Change documents

- Change documents functionality is available for displaying which are the changes happened in Equipment

4.3 MRO Bill of Material

4.3.1 Creation of MBOM Header and Components

- Should maintain mandatory fields and Header data fields
- Maintain Location data
- Possibility to maintain Quantity Data
- Possibility to maintain Validity Data
- Possibility to maintain Material Data
- Possibility to maintain BOM and Alternative Text Data
- Possibility to maintain BOM Item Overview
- Possibility to maintain BOM Item Detail
- Possibility to maintain BOM Quantity Data
- Possibility to maintain MRP Data
- Possibility to maintain Additional Data
- Possibility to maintain Purchasing Data
- Possibility to maintain BOM Document Assignment
- Possibility to maintain Item Status
- Possibility to maintain Item Text

4.3.2 Change of MBOM Header and Components

- Possibility to Maintain/Change Location data
- Possibility to Maintain/Change Quantity Data
- Possibility to Maintain/Change Validity Data
- Possibility to Maintain/Change Material Data
- Possibility to Maintain/Change BOM and Alternative Text Data
- Possibility to Maintain/Change BOM Item Overview
- Possibility to Maintain/Change BOM Item Detail
- Possibility to Maintain/Change Quantity Data
- Possibility to Maintain/Change MRP Data
- Possibility to Maintain/Change BOM Document Assignment
- Possibility to Maintain/Change Item Status
- Possibility to Maintain/Change Item Text
- Possibility to Maintain Purchasing Data
- Possibility to Maintain Additional data

4.3.3 Mass Change

- Functionality is available to change the master data for multiple MBOM's to a common value through Multiple Object Processing.

4.3.4 Search

- Functionality available on fields by using DB search
- Functionality of HANA Search is supported subjective the hardware and setup

4.3.5 Copy Functionality

- Create new MRO – BOM with copy functionality by using existing BOM

4.3.6 File Download

- File download functionality is available for existing multiple MBOM's

4.3.7 File upload Create/Change

- File upload create functionality is available for Creating multiple new MBOM and Change for existing multiple MBOM

4.3.8 Multiple Objects Change Request

- MDG – MRO BOM is equipped with the functionality to process multiple BOM's in single Change Request.

4.3.9 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Equipment Master, Functional Location, M-BOM, Measuring Point, Work Center) in a single change request.

4.3.10 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results and Mass change

4.3.11 Data Import Framework

- Data Import functionality is available for importing to create multiple Equipment using xml and csv files with key mapping and without key mapping and, key mapping and value mapping

4.3.12 Data Replication Frame Work

- Replication framework functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication

4.3.13 Change documents

- Change documents functionality is available for displaying which are the changes happened in MRO BOM

4.4 Work Center

Based on Work Center Category can configure the Work Center Screen group and Field selection by using transaction code OPFA

4.4.1 Creation of Work Center

- Should maintain mandatory fields and optional Basic data fields
- Possibility to maintain default fields values and it will be auto populated in Task Lists
- If the default values should not want to change, should marked a reference indicator when creating a Work Center
- Possibility to assign a Normal capacity
- Possibility to assign a Pooled Capacity Category and Capacity
- Possibility to assign a Capacity category which has assigned in Capacity list

- Possibility to assign a Capacity category and Capacity if it is a Pooled Capacity
- Possibility to maintain costing data fields
- Possibility to maintain Technology fields

4.4.2 Change of Work Center

- Possibility to Maintain/Change Basic data fields
- Possibility to Maintain/Change default fields values and it will be auto populated in Task Lists
- If the default values should not want to change in Task List, should marked a reference indicator when creating a Work Center
- Possibility to Maintain/Change a Normal capacity
- Possibility to Maintain/Change a Pooled Capacity Category and Capacity
- Possibility to Maintain/Change a Capacity category which has assigned in Capacity list
- Possibility to Maintain/Change a Capacity category and Capacity if it is a Pooled Capacity
- Possibility to Maintain/Change a costing data fields
- Possibility to Maintain/Change a Technology fields

4.4.3 Mass Change

- Functionality is available to change the master data for multiple Work Center to a common value through Multiple Object Processing. For MDG 7 systems, a change request will need to be created before you can process data. Change Request creation is (now) integrated into the process for MDG 8 and above.
- The following fields are supporting Basic Data, Default values, Scheduling, Technology, Deletion Flag, Locking Work Center fields

4.4.4 Search

- Functionality available on fields by using DB search

4.4.5 Copy Functionality

- Create new Work Center with copy functionality by using existing Work Center

4.4.6 File Download

- File download functionality is available for existing multiple Work Centers

4.4.7 File upload Create/Change

- File upload create functionality is available for Creating multiple new work and Change for existing multiple Work Centers

4.4.8 Multiple Objects Change Request

- Functionality is available for create/change and you can use this service to create a change request. For MDG 7 systems, a change request will need to be created before you can process data. Change Request creation is (now) integrated into the process for MDG 8 and above.

4.4.9 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Equipment Master, Functional Location, M-BOM, Measuring Point, Work Center) in a single change request

4.4.10 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results and Mass change

4.4.11 Setting Lock Indicator

- Setting and resetting the lock indicator option is available in the Change Work Center.

4.4.12 Data Import Framework

- Data Import functionality is available for importing to create multiple Work Centers using xml and csv files with key mapping and without key mapping and, key mapping and value mapping

4.4.13 Data Replication Frame Work

- Replication framework functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication

4.4.14 Change documents

- Change documents functionality is available for displaying which are the changes happened in Work Center

4.5 Task Lists (Equipment, Functional Locations, and General)

4.5.1 Creation of Task List Header and Components

- Should maintain mandatory fields and Header data fields
- Maintain Task List overview
- Possibility to maintain Task List General header view
- Possibility to maintain operation
- Possibility to maintain internal processing operations
- Possibility to maintain External Processing operations

4.5.2 Change of MBOM Header and Components

- Possibility to Maintain/Change Task List overview
- Possibility to Maintain/Change Task List General header view
- Possibility to Maintain/Change Task List General header view
- Possibility to Maintain/Change operation
- Possibility to Maintain/Change internal processing operations
- Possibility to Maintain/Change External Processing operations

4.5.3 Search

- Functionality available on fields by using DB search

- Functionality of HANA Search is supported subjective the hardware and setup

4.5.4 Copy Functionality

- Create new Task List with copy functionality by using existing Task List.

4.5.5 File Download

- File download functionality is available for existing multiple Task Lists.

4.5.6 File upload Create/Change

- File upload create functionality is available for Creating multiple new Task List and Change for existing multiple Task List.

4.5.7 Multiple Objects Change Request

- MDG – Task List is equipped with the functionality to process multiple Task List’s in single Change Request.

4.5.8 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Equipment Master, Functional Location, M-BOM, Measuring Point, Work Center) in a single change request.

4.5.9 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results.

4.5.10 Data Import Framework

- Data Import functionality is available for importing to create multiple Equipment using xml and csv files with key mapping and without key mapping and, key mapping and value mapping

4.5.11 Data Replication Frame Work

- Replication framework functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication

4.5.12 Change documents

- Change documents functionality is available for displaying which are the changes happened in Task List.

4.6 Maintenance Plans /Items

4.6.1 Creation of Maintenance Plan

- Should maintain all the mandatory fields of Maintenance Plan
- Maintenance Plan must contain at least one cycle and one Item data to create.
- Enter the Cycle or Offset value in maintenance plan cycle tab, its mandatory field.

- If entered Cycle unit is Time dimension, Start of Cycle field is enabled in scheduling.
- If entered Cycle unit is Performance dimension, Start Counter Reading field is enabled in scheduling.
- If entered Cycle unit is Performance dimension, Counter (Measuring Point with counter reading) field become mandatory.
- If assign Scheduling Indicator is Time - Key date or Time - Factory Calendar, then Factory calendar field become mandatory.
- Possibility to maintain Scheduling information.
- Possibility to maintain Additional data.
- Possibility to Create New Maintenance Item during Maintenance Plan create process.
- Possibility to Assign Existing Maintenance Item to Maintenance Plan.
- If assign Maintenance Item to Maintenance Plan then it will be auto populated in Reference object, Planning data and Task List details.

4.6.2 Change of Maintenance Plan

- Possibility to Maintain/Change Maintenance Plan data.
- Possibility to Maintain/Change the Scheduling parameters.
- Possibility to Maintain/Change the Additional data.
- Possibility to Maintain/Change the Start scheduling information in scheduling.
- Possibility to Maintain/Change Scheduling Indicator (0 to 2).
- Possibility to Change Scheduling Indicator is Time to Key date or Factory Calendar then Factory calendar field become mandatory.
- Possibility to Create New Maintenance Item during Maintenance Plan create process.
- Possibility to Assign Existing Maintenance Item to Maintenance Plan.
- If assign Maintenance Item to Maintenance Plan then it will be auto populated in Reference object, Planning data and Task List details.
- During change process Maintenance Plan, Maintenance Plan category mandatory fields should be displayed read only.
- During change process, can't change Cycle unit from one dimension to another dimension (e.g. time to performance). Can only change units with same dimension.
- During change process, Maintenance Plan must contain at least one cycle and one Item.

4.6.3 Mass Change

- Functionality is available to change the master data for multiple Maintenance Plan to a common value through Multiple Object Processing. Before you can process the data, you need a change request which is used to approve the changes to the Maintenance Plan.
- The following fields are supporting Basic Data, scheduling parameters, Additional data, Deletion flag set/reset and Inactive/active the Maintenance Plan.

4.6.4 Search

- Functionality available on fields by using DB search
- Functionality of HANA Search is supported subjective the hardware and setup

4.6.5 Copy Functionality

- Create new Maintenance Plan with copy functionality by using existing Maintenance Plan as reference.
- Maintenance Item data is copied to new maintenance items. New items have temporary number (% as prefix) and final number is created on CR approval.

4.6.6 File Download

- File download functionality is available for existing Maintenance Plans
- Files can be downloaded separately for Maintenance Plan, Maintenance Cycle and Maintenance Items.

4.6.7 File upload Create/Change

- File upload create and change functionality is available for creating new maintenance Plan and Change for existing Maintenance Plans.

4.6.8 Multiple Objects Change Request

- Functionality is available for create/change and you can use this service to create a change request. Before you can process mass changes and file upload, you need to create a change request which is used to approve the changes to the Maintenance Plan.

4.6.9 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Maintenance Plan, Equipment Master, Functional Location, Material BOM, Measuring Point, Task List and Work Center) in a single change request.

4.6.10 Mark for Deletion

- Mark for Deletion set/reset functionality is available through Search results and Mass change process.

4.6.11 Data Import Framework

- Data Import functionality is available for importing to create and change multiple Maintenance Plans using xml and csv files with key mapping and without key mapping and, key mapping and value mapping.

4.6.12 Data Replication Framework

- Data Replication functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication.

4.6.13 Change documents

- Change documents functionality is available for displaying which are the changes happened in Maintenance Plan.

4.7 Measuring Points

MDG-MSPT supports create and change of Measuring Point. Measuring point Category “Buildings (IBD)” Function functionality is not supported via MDG-EAM, measuring point Category “Rental Unit (IME)” Function functionality is not supported via MDG-EAM out of scope in MDG-MSPT Current Solution. All most all fields are included in MDG –MSPT as compared to IK01.

4.7.1 Creation of Equipment Measuring Point

- Assignment of a Measuring Point category
- With counter
- Without Counter
- Possibility to maintain Basic data
- Possibility to maintain General Data
- Possibility to maintain Target Limits and Counter Data
- Possibility to maintain Additional Data – Measurement Range Limits
- Possibility to maintain General Class Assignment and Characteristics

4.7.2 Creation of Functional Location Measuring Point

- With counter
- Without Counter
- Possibility to maintain Basic data
- Possibility to maintain General Data
- Possibility to maintain Target Limits and Counter Data
- Possibility to maintain Additional Data – Measurement Range Limits
- Possibility to maintain General Class Assignment and Characteristics

4.7.3 Changing of Equipment Measuring Point

- changing the values of informative characteristics if needed
- with counter
- without Counter
- Possibility to maintain Basic data
- Possibility to maintain General Data
- Possibility to maintain Target Limits and Counter Data
- Possibility to maintain Additional Data – Measurement Range Limits
- Possibility to maintain General Class Assignment and Characteristics

4.7.4 Changing of Functional Location Measuring Point

- Changing the values of informative characteristics if needed
- With counter
- Without Counter
- Possibility to maintain Basic data
- Possibility to maintain General Data
- Possibility to maintain Target Limits and Counter Data
- Possibility to maintain Additional Data – Measurement Range Limits
- Possibility to maintain General Class Assignment and Characteristics

4.7.5 Search

- Functionality available on fields by using DB search
- Functionality of HANA Search is supported subjective the hardware and setup.

4.7.6 Copy Functionality

- Create new Measuring Point with copy functionality by using existing Measuring Point as reference.

4.7.7 File Download

- File download functionality is available for existing Measuring Points.

4.7.8 File upload Create/Change

- File upload create and change functionality is available for creating new Measuring Point and Change of existing Measuring Points.

4.7.9 Multiple Objects Change Request

- Functionality is available for create/change and you can use this service to create a change request. Before you can process mass changes and file upload, you need to create a change request which is used to approve the changes to the Measuring Point.

4.7.10 Mixed Multiple Objects Change Request

- Functionality is available for Create/Change Mixed Multiple Object Processing Change Request. With this change request, you can process all EAM master objects (for example. Maintenance Plan, Equipment Master, Functional Location, Material BOM, Measuring Point, Task List and Work Center) in a single change request.

4.7.11 Active/Inactive functionality

- Active/inactive functionality is available through Search results and Mass change process.

4.7.12 Data Import Framework

- Data Import functionality is available for importing to create and change multiple Maintenance Plans using xml and csv files with key mapping and without key mapping and, key mapping and value mapping.

4.7.13 Data Replication Framework

- Data Replication functionality is available to replicate the data to target systems through Manual replication and DRFOUT and Auto replication.

4.7.14 Change documents

- Change documents functionality is available for displaying which are the changes happened in Measuring Point.

5 Out of Scope for MDG

5.1 Equipment

- 5.1.1 Multi-language texts cannot be maintained using the MDG-EAM user interface Because of restrictions in the underlying APIs, the description (medium text) can only be maintained in the logon language. You can maintain the text in other languages using the backend transactions or use the file upload functionality within MDG

This restriction is common to the single-records and multiple-records processing and is a current technical limitation.

- 5.1.2 “Long text and Internal note” functionality is not supported via MDG-EAM

- 5.1.3 “Serialization data tab - Stock information not supported through MDG UI” functionality is not supported via MDG-EAM
- 5.1.4 “Sales and Distribution, PRT Data and Other” tabs functionality is not
- 5.1.5 “Active and Inactive” functionality is not supported via MDG-EAM
- 5.1.6 Change Maintenance Plant and Equipment Category is not possible once created with Equipment
- 5.1.7 Cannot assign and create Measuring points/counters through equipment creation/change via MDG-EAM
- 5.1.8 Location Address data is not supported via MDG-EAM
- 5.1.9 Partner Functionality is not supported via MDG-EAM
- 5.1.10 Change of Serialization Material number/Serial number is not supported via MDG-EAM once created
- 5.1.11 Sub-Equipment list is not supported via MDG-EAM
- 5.1.12 Equipment hierarchy is not supported. Inheritance and defaulting of data along hierarchy lines is not supported
- 5.1.13 Maintaining characteristic data of the configurable material is not supported

5.2 Functional Location

- 5.2.1 Multi-language texts cannot be maintained using the MDG-EAM user interface because of restrictions in the underlying APIs, the description (medium text) can only be maintained in the logon language. You can maintain the text in other languages using the backend transactions or use the file upload functionality within MDG.

This restriction is common to the single-records and multiple-records processing and is a current technical limitation.
- 5.2.2 “Long text” functionality is not supported via MDG-EAM
- 5.2.3 “Active and Inactive” functionality is not supported via MDG-EAM
- 5.2.4 Change Maintenance Plant and Functional Location Category is not possible once created with Functional Location
- 5.2.5 Cannot assign and create Measuring points/counters through Floc creation/change via MDG-EAM
- 5.2.6 Location Address data is not supported via MDG-EAM
- 5.2.7 Partner Functionality is not supported via MDG-EAM
- 5.2.8 Maintain Multilingual short texts not supported via MDG-EAM
- 5.2.9 If alternative label existing, we cannot see the Alternate Label overview and user profile
- 5.2.10 If alternative label is active, user will see the internal system generated number during some of the actions including the file download, mass change.
- 5.2.11 Copy functionality will not support the external number for functional location, functional location ID needs to be given on SOP screen.
- 5.2.12 Functional Location hierarchy is not supported. Inheritance and defaulting of data along hierarchy lines is not supported

5.3 MRO Bill of Material

- 5.3.1 MRO-BOMs are restricted to the use of BOM alternative '01' due to restrictions of the standard interfaces and communication structures
- 5.3.2 Mass change is supported only at the header level due to restrictions within MDG and cardinality relationships

- 5.3.3 Mass change cannot be leveraged through the search UI. The direct mass change application provides a separate step for selection and refinement. Accessing from search bypasses these steps and only passes the key components, not the fully specified (composite) key combinations
- 5.3.4 Only BOM usage types that are relevant for Plant Maintenance are currently supported
- 5.3.5 Engineering Change Management for BOMs is not supported in MDG-EAM
- 5.3.6 Sub Items are not supported
- 5.3.7 Only item categories D, I, L, N, and T are supported
- 5.3.8 Updates through File Upload can only change fields that do not have dependencies. Some examples include, but are not limited to: Item Category, Long Text, and some Purchasing fields.
- 5.3.9 Cancel button is not available for a Create.
- 5.3.10 Long Text in File Upload is not supported
- 5.3.11 Create variant BOM is not supported via MDG EAM
- 5.3.12 BOM Header Alternative long text is not supported via MDG EAM
- 5.3.13 BOM Header Technical type is not supported via MDG EAM
- 5.3.14 BOM Header Document assignment is not supported via MDG EAM
- 5.3.15 Group BOMs (e.g. BOM without a corresponding plant assignment) are not supported in MDG-EAM

5.4 Work Center

5.4.1 Multi-Language texts

Multi-language texts cannot be maintained using the MDG-EAM user interface because of restrictions in the underlying APIs, the description (medium text) can only be maintained in the logon language. You can maintain the text in other languages using the backend transactions or use the file upload functionality within MDG

This restriction is common to the single-records and multiple-records processing and is a current technical limitation.

- 5.4.2 Template Function functionality is not supported via MDG-EAM.
- 5.4.3 Hierarchy Function functionality is not supported via MDG-EAM
- 5.4.4 HRMS Function functionality is not supported via MDG-EAM
- 5.4.5 Classification functionality is not supported via MDG-EAM
- 5.4.6 Capacity Tab
 - Intervals and Shifts, intervals function Button is not supported via MDG-EAM.
 - Actual capacity requirements, Reference available capacity, Available capacity profile, Short Texts Function Button are not supported via MDG-EAM
- 5.4.7 In Costing – Validities function Button is not supported via MDG-EAM
- 5.4.8 Others
 - In Capacity, Scheduling and Costing Tabs: Display Formula, Test Formula, Formula Constants Function Button are not supported via MDG-EAM.
 - Rename Work Center functionality not supported via MDG-EAM.
 - Basic data, Default values and Technology tabs delete functionality is not supported via MDG-EAM.
 - Grouping and Subsystems linking not supported via MDG-EAM.
 - Maintain short texts not supported via MDG-EAM.

- Technology tab Process Assignment button and No. of process field is not supported via MDG-EAM.

5.5 Task List (Equipment, Functional Location, and General)

- 5.5.1 Mass Change is not supported as only entity type 1 is changeable and there are no changeable values at that level.
- 5.5.2 Components, PRT, Relationships, Service packages, Maintenance Packages, and Inspection characteristics not supported.
- 5.5.3 Header Maintenance Strategy is not supported
- 5.5.4 Header – Multiple Task List counters are not supported
- 5.5.5 Header and Operation Long text, QM data (Inspection points, Ext. numbering), Profile, User-defined fields in Operations, operation qualification, operation relationships, and sub operations are not supported.
- 5.5.6 Multi-language texts cannot be maintained using the MDG-EAM user interface because of restrictions in the underlying APIs, the description (medium text) can only be maintained in the logon language. You can maintain the text in other languages using the backend transactions or use the file upload functionality within MDG. This restriction is common to the single-records and multiple-records processing and is a current technical limitation.
- 5.5.7 Qualification is not supported through Change via MDG-EAM
- 5.5.8 In Task List Search result ‘Equipment and Functional location description’ fields are not supported via MDG-EAM.
- 5.5.9 Assignment of Class and Characteristics is not supported
- 5.5.10 Search result ‘Equipment and Functional location description’ fields are not supported via MDG

5.6 Maintenance Plan /Item

- 5.6.1 Maintenance plan “Multiple-Counter Plan” functionality is not supported via MDG-EAM.
- 5.6.2 Maintenance plan “Strategy Plan” functionality is not supported via MDG-EAM.
- 5.6.3 Maintenance plan “Cycle Set Plan” functionality is not supported via MDG-EAM
- 5.6.4 Maintenance plan “Service Procurement” Category functionality is not supported via MDG-EAM
- 5.6.5 In Maintenance Item – “Sales Document” functionality is not supported via MDG-EAM
- 5.6.6 In Maintenance Item – “Settlement Rule – Create, Change and Display” functionality is not supported via MDG-EAM
- 5.6.7 In Maintenance Item – “Last Call Objects Item” functionality is not supported via MDG-EAM
- 5.6.8 In Maintenance Item – “Task List Create, Change and Display” functionality is not supported via MDG-EAM
- 5.6.9 In Maintenance Item – “Object list Item tab (Material, Serial No, Equipment and Functional location) functionality is not supported via MDG-EAM
- 5.6.10 In Maintenance Item – “Item Location tab” functionality is not supported via MDG-EAM.
- 5.6.11 MDG functional restrictions – Maintenance Plan
 - Change of Maintenance Cycle unit dimension is not supported. Can only change UoM with the same dimension via MDG-EAM.
 - Anomalies noticed in standard API MPLAN_CHANGE with SAP note 2293632 where standard API dumps for Maintenance Cycle.

- Maintenance plan with Call Horizon in Days (switch EAM_SFWS_MPLAN_OPEN_HORIZ_DAYS) is not supported via MDG-EAM.

5.6.12 Long Text in File Upload is not supported

5.7 Measuring Point

All the topics / functionalities mentioned in Scope for MDG-MSPT are covered as part of solution, functionality / topics not mentioned in scope section as out of scope of MDG-MSPT. Details can be found under section “Out of Scope for MDG – Measuring Point”.

Some of the sections that are out of scope for MDG for Measuring Point are also mentioned below:

- 5.7.1 “Measuring point Category Buildings (IBD)” functionality is not supported via MDG-EAM
- 5.7.2 “Measuring point Category Rental Unit (IME)” functionality is not supported via MDG-EAM
- 5.7.3 “Transmission of Measurement and Counter Readings” functionality is not supported via MDG-EAM.
- 5.7.4 “Measuring Point from Which Meas. Reading Was Transferred” functionality is not supported via MDG-EAM.
- 5.7.5 “Measurement Document Selection” functionality is not supported via MDG-EAM
- 5.7.6 “Last Measurement Document for Key Date” functionality is not supported via MDG-EAM
- 5.7.7 “Change Measuring Point Category” is not supported through Change via MDG-EAM
- 5.7.8 “Data origin and Data Origin List” functionality is not supported via MDG-EAM
- 5.7.9 “Change Reference Measuring Point assignment” functionality is not supported via MDG-EAM
- 5.7.10 “Measuring Points – Link to Documents” functionality is not supported via MDG-EAM
- 5.7.11 “First Measuring Point, Previous Measuring point, next Measuring Point and last measuring Point” functionality is not supported via MDG-EAM
- 5.7.12 “Administrative Info” functionality is not supported via MDG-EAM
- 5.7.13 “Display Changes” functionality is not supported via MDG-EAM
- 5.7.14 “Measurement Reading Transfer structure” functionality is not supported via MDG-EAM
- 5.7.15 “Measurement Document History” functionality is not supported via MDG-EAM
- 5.7.16 “Measuring Point Usage in Maintenance Plans” functionality is not supported via MDG-EAM
- 5.7.17 “Convert Unit of Measurement” functionality is not supported via MDG-EAM
- 5.7.18 “Display Object” functionality is not supported via MDG-EAM
- 5.7.19 “Characteristics” functionality is not supported via MDG-EAM
- 5.7.20 “Take up Measurement Reading Transfer” functionality is not supported via MDG-EAM
- 5.7.21 Basic data, General Data, Target Limits and Counter Data, Additional Data – Measurement Range Limits, Class Assignment and Characteristics tabs delete functionality is not supported via MDG-EAM.
- 5.7.22 Grouping and Subsystems linking not supported via MDG-EAM
- 5.7.23 MDG functional restrictions – Measuring Point
 - “Change Measuring Point Category” is not supported through Change via MDG-EAM.
 - "Multi Object Processing" - Selection of existing measuring points is not possible while creating the MOP change request whereas, it can be done in change mode of the change request.
 - File Download of Classification data is not supported due to standard SAP framework limitations. This applies to both General Classification.
- 5.7.24 Long Text in File Upload is not supported