

# How-To Guide: Configuring IDoc Inbound Function Modules at Target systems as per the MDG EAM Product version/release in Hub System

## Applies to

MDG EAM Solutions by Prometheus Group

## Summary

Considering ECC to S4 HANA conversions across the Globe, In specific customer scenarios, With the existing MDG Hub-Target models, In case if Customers wish to upgrade their operational systems to S4 and with MDG(hub) systems as is.

Utopia Delivered UGI3 component ( i.e. Component responsible for Replication) installation at target system would end up with UGI3 component version which is compatible with to-be S4 systems. This will arise conflict in terms of UGI3 component version being not in sync with MDG (hub) and leading to issues around replication.

To address this issue : As part of EAM 2021 general installation , UGI3 inbound FM's are delivered for all the available and active MDG EAM versions as on ie EAM 9.2, EAM 1909, EAM 2020 and it is allowed to configure the Inbound FM's as per the MDG EAM version.

For Ex : Assuming Customer is running MDG EAM with EAM 9.2 and upgraded their operational systems to S4 2021 , then Customer should follow this guide to configure the inbound FM's as per their MDG EAM system ( ie EAM 9.2 ) to have a successful replication between EAM 9.2 and S4 2021 .

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## Table of Contents

Introduction.....	3
Manual Implementation Steps .....	3
A.    Updates to Table/View “VEDIEDIFCT” .....	3
B.    Updates to Table/View “V_TBD51” .....	5
C.    Updates to Table/View “TBD52” .....	6
D.    Repeat configuration changes for respective PV/Other Objects .....	8
For MDG EAM 9.2 as HUB : .....	8
For MDG EAM 1909 as HUB : .....	9
For MDG EAM 2020 as HUB : .....	9

## Introduction

This Guide describes procedure to configure the IDoc Inbound Function module for respective MDG EAM product versions .

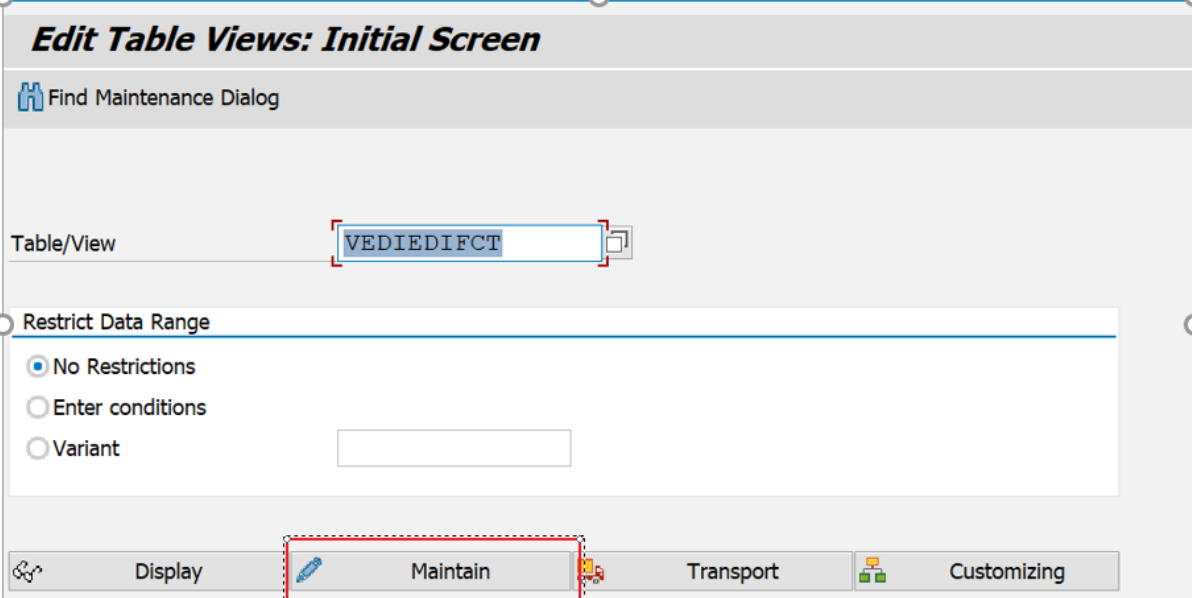
Please note that below configuration steps (section A, B,C) are explained with respect to EAM 9.2 as MDG HUB and your Target systems is with UGI3 component having different PV/release and considering object Equipment as an example and same changes should be followed for other Product version as MDG Hub /objects as well .

## Manual Implementation Steps

### A. Updates to Table/View “VEDIEDIFCT”

Use the below steps

1. Run t-code SM30 and populate the Table/View as “VEDIEDIFCT” and Click on Maintain



**Edit Table Views: Initial Screen**

Find Maintenance Dialog

Table/View: **VEDIEDIFCT**

Restrict Data Range

☒ No Restrictions  
☐ Enter conditions  
☐ Variant

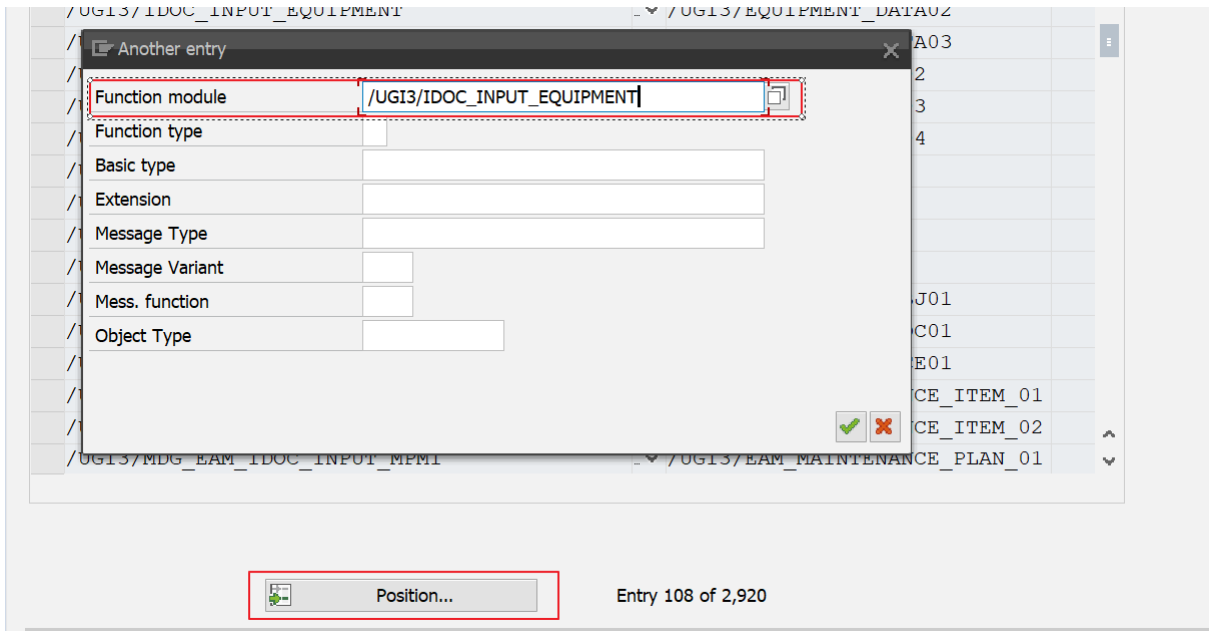
Display **Maintain** Transport Customizing

**Change View "IDoc: Assignment of FM to Log. Message and IDoc Type": Ov**

New Entries BC Set: Change Field Values

IDoc: Assignment of FM to Log. Message and IDoc Type	FM Name	F...	BasicType	Enha
	/AIF/IDOC_INB_PROCESS_FUNC_1		BAMMAST03	
	/AIF/IDOC_INB_PROCESS_FUNC_1		HBHBAMAST02	
	/AIF/IDOC_INB_PROCESS_FUNC_1		PROJECT01	
	/AIF/IDOC_INB_PROCESS_FUNC_1		PROJECT02	

- Click on button **Position** and Search for FM “/UGI3/IDOC\_INPUT\_EQUIPMENT” (there would be multiple entries and Select row with recently delivered basic type which is in line with MDG Hub system ( For ex /UGI3/EQUIPMENT\_DATA03 In case of UGI 920) Refer the same table from Hub system.



Another entry

Function module: /UGI3/IDOC\_INPUT\_EQUIPMENT

Function type:

Basic type:

Extension:

Message Type:

Message Variant:

Mess. function:

Object Type:

Position...

Entry 108 of 2,920

**Change View "IDoc: Assignment of FM to Log. Message and IDoc Type": Ov**

New Entries BC Set: Change Field Values

FM Name	F... BasicType	Enha
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA01	
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA02	
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA03	

- Select the highlighted row and Click on Copy

**Change View "IDoc: Assignment of FM to Log. Message and IDoc Type": Ov**

New Entries BC Set: Change Field Values

FM Name	F... BasicType	Enha
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA01	
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA02	
/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/EQUIPMENT_DATA03	

- Update the Function Module name as “/UGI3/IDOC\_INPUT\_EQUIPMENT\_920” and click on enter to save the changes

**Change View "IDoc: Assignment of FM to Log. Message and IDoc Type": De**

Function module	/UGI3/IDOC_INPUT_EQUIPMENT_920
Function type	F Function module
Basic type	/UGI3/EQUIPMENT_DATA03
Extension	
Message Type	/UGI3/EQUIPMENT_DATA
Message Variant	
Mess. function	
Object Type	

IDoc: Assignment of FM to Log. Message and IDoc Type	
Direction	2 Inbound
Description	EAM:Equipment Master
Name	

**Change View "IDoc: Assignment of FM to Log. Message and IDoc Type": Ov**

New Entries BC Set: Change Field Values

IDoc: Assignment of FM to Log. Message and IDoc Type			
FM Name	F...	BasicType	Enha
/UGI3/IDOC_INPUT_EQUIPMENT		/UGI3/EQUIPMENT_DATA03	
/UGI3/IDOC_INPUT_EQUIPMENT_920		/UGI3/EQUIPMENT_DATA03	

## B. Updates to Table/View "V\_TBD51"

Use the below steps

1. Run t-code SM30 and populate the Table/View as "V\_TBD51" and Click on Maintain

**Edit Table Views: Initial Screen**

Find Maintenance Dialog

Table/View **V\_TBD51**






Restrict Data Range

☒ No Restrictions  
☐ Enter conditions  
☐ Variant

Display **Maintain** Transport Customizing

- Click on New Entries

**Change View "Characteristics of Inbound Function Modules": Overview**






 **New Entries**     BC Set: Change Field Values

Characteristics of Inbound Function Modules

Function module (inbound)	Input	Dialog allowed

- Input the Function Module(inbound) name as "/UGI3/IDOC\_INPUT\_EQUIPMENT\_920" and Input as 1 and save the changes






**New Entries: Overview of Added Entries**

Characteristics of Inbound Function Modules

Function module (inbound)	Input	Dialog allowed
/UGI3/IDOC_INPUT_EQUIPMENT_920	1	<input type="checkbox"/>

**Change View "Characteristics of Inbound Function Modules": Overview**

 **New Entries**     BC Set: Change Field Values

Characteristics of Inbound Function Modules


Function module (inbound)	Input	Dialog allowed
/UGI3/IDOC_INPUT_EQUIPMENT	1	<input type="checkbox"/>
/UGI3/IDOC_INPUT_EQUIPMENT_920	1	<input type="checkbox"/>

## C. Updates to Table/View "TBD52"

Use the below steps

- Run t-code SM30 and populate the Table/View as "TBD52" and Click on Maintain


**Edit Table Views: Initial Screen**





 Find Maintenance Dialog

Table/View

Restrict Data Range

☒ No Restrictions  
☐ Enter conditions  
☐ Variant



 Display
  **Maintain**
 Transport
  Customizing

- Click on Button "Position " and Search for process code "/UGI3/EQUI"

**Change View "Function modules for inbound ALE-EDI": Overview**

New Entries

Function modules for inbound ALE-EDI

Inbound process code	Inbound Function Module
/UGI3/EQUI	

Process code /UGI3/EQUI

/ISDFPS/DEBM	/ISDFPS/KNUPS_IDOC_INPUT_DEB
/ISDFPS/DS01	/ISDFPS/IDOC_INPUT_DS
/ISDFPS/EL01	/ISDFPS/IDOC_INPUT_EL
/ISDFPS/EM01	/ISDFPS/IDOC_INPUT_EM
/ISDFPS/EM_CHKLIST01	/ISDFPS/IDOC_INPUT_EM_CHKLIST
/ISDFPS/EP01	/ISDFPS/IDOC_INPUT_EPA
/ISDFPS/EQ01	/ISDFPS/IDOC_INPUT_EQUITRP
/ISDFPS/ET01	/ISDFPS/IDOC_INPUT_ET

Position...

Entry 1 of 439

**Change View "Function modules for inbound ALE-EDI": Overview**

New Entries

Function modules for inbound ALE-EDI

Inbound process code	Inbound Function Module
/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT

- Click on Details button and Select the Function Module name as "/UGI3/IDOC\_INPUT\_EQUIPMENT\_920" and save the configuration .

**Change View "Function modules for inbound ALE-EDI": Overview**

New Entries

Function modules for inbound ALE-EDI

Inbound process code	Inbound Function Module
/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT

**Change View "Function modules for inbound ALE-EDI": Details**

New Entries

Process code: /UGI3/EQUI

Module (inbound)

Function Module: /UGI3/IDOC\_INPUT\_EQUIPMENT

Maximum Number of Re: /UGI3/IDOC\_INPUT\_EQUIPMENT\_920

**Change View "Function modules for inbound ALE-EDI": Overview**

New Entries

Function modules for inbound ALE-EDI

Inbound process code	Inbound Function Module
/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT_920

## D. Repeat configuration changes for respective PV/Other Objects

Repeat the Steps explained in Section A, B, C for the other objects as well .

The product version and its respective inbound FM's to be configured is listed in the below tables.

For MDG EAM 9.2 as HUB :

Object	Inbound Process code	Existing Function Module Name	To-Be Function Module Name
FUNCLOC	/UGI3/FLOC	/UGI3/IDOC_INPUT_FLOC	/UGI3/IDOC_INPUT_FLOC_920
EQUI	/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/IDOC_INPUT_EQUIPMENT_920
EQ BOM	/UGI3/BOMEQ	/UGI3/MDG_IDOC_INPUT_BOMEQU	/UGI3/MDG_IDOC_INB_BOMEQU_920
FL BOM	/UGI3/BOMFL	/UGI3/MDG_IDOC_INPUT_BOMTPL	/UGI3/MDG_IDOC_INB_BOMTPL_920
WBS BOM	/UGI3/BOMWBS	/UGI3/MDG_IDOC_INPUT_BOMWBS	/UGI3/MDG_IDOC_INB_BOMWBS_920
TL(GN,EQ,FL)	/UGI3/EAM_TL	/UGI3/MDG_EAM_IDOC_INPUT_TL	/UGI3/MDG_EAM_IDOC_INB_TL_920
MSPOINT	/UGI3/MDG_MSP	/UGI3/MDG_EAM_IDOC_INPUT_MSP	/UGI3/MDG_EAM_IDOC_INB_MSP_920



MPMI	/UGI3/MPMI	/UGI3/MDG_EAM_IDOC_INPUT_MPMI	/UGI3/MDG_EAM_IDOC_IN_MPMI_920
MITEM	/UGI3/MITEM	/UGI3/MDG_EAM_IDOC_INPUT_MITEM	/UGI3/MDG_EAM_IDOC_INMITEM_920
WORK CENTER	/UGI3/WC	/UGI3/IDOC_INPUT_WORKCENTER	/UGI3/IDOC_INPUT_WRKCENTER_920
NETWORK EVENT ID	/UGI3/EVTID	/UGI3/MDG_EAM_IDOC_INPUT_NEVTI	/UGI3/MDG_IDOC_INPUT_NEVTI_920
OBJECT LINK	/UGI3/OBJLNK	/UGI3/MDG_EAM_IDOC_INPUT_OL	/UGI3/MDG_IDOC_INPUT_OL_920
OBJECT NETWORK	/UGI3/NETWR	/UGI3/MDG_EAM_IDOC_INPUT_NETWR	/UGI3/MDG_IDOC_INPUT_NETWR_920
Service Master	/UGI3/SRVM	/UGI3/IDOC_INPUT_SERVICE	/UGI3/IDOC_INPUT_SERVICE_920

### For MDG EAM 1909 as HUB :

Object	Inbound Process code	Existing Function Module Name	To-Be Function Module Name
FUNCLOC	/UGI3/FLOC	/UGI3/IDOC_INPUT_FLOC	/UGI3/IDOC_INPUT_FLOC_930
EQUI	/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/IDOC_INPUT_EQUIPMENT_930
EQ BOM	/UGI3/BOMEQ	/UGI3/MDG_IDOC_INPUT_BOMEQU	/UGI3/MDG_IDOC_INB_BOMEQU_930
FL BOM	/UGI3/BOMFL	/UGI3/MDG_IDOC_INPUT_BOMTPL	/UGI3/MDG_IDOC_INB_BOMTPL_930
WBS BOM	/UGI3/BOMWBS	/UGI3/MDG_IDOC_INPUT_BOMWBS	/UGI3/MDG_IDOC_INB_BOMWBS_930
TL(GN,EQ,FL)	/UGI3/EAM_TL	/UGI3/MDG_EAM_IDOC_INPUT_TL	/UGI3/MDG_EAM_IDOC_INB_TL_930
MSPOINT	/UGI3/MDG_MSP	/UGI3/MDG_EAM_IDOC_INPUT_MSP	/UGI3/MDG_EAM_IDOC_INB_MSP_930
MPMI	/UGI3/MPMI	/UGI3/MDG_EAM_IDOC_INPUT_MPMI	/UGI3/MDG_EAM_IDOC_IN_MPMI_930
MITEM	/UGI3/MITEM	/UGI3/MDG_EAM_IDOC_INPUT_MITEM	/UGI3/MDG_EAM_IDOC_INMITEM_930
WORK CENTER	/UGI3/WC	/UGI3/IDOC_INPUT_WORKCENTER	/UGI3/IDOC_INPUT_WRKCENTER_930
NETWORK EVENT ID	/UGI3/EVTID	/UGI3/MDG_EAM_IDOC_INPUT_NEVTI	/UGI3/MDG_IDOC_INPUT_NEVTI_930
OBJECT LINK	/UGI3/OBJLNK	/UGI3/MDG_EAM_IDOC_INPUT_OL	/UGI3/MDG_IDOC_INPUT_OL_930
OBJECT NETWORK	/UGI3/NETWR	/UGI3/MDG_EAM_IDOC_INPUT_NETWR	/UGI3/MDG_IDOC_INPUT_NETWR_930
Service Master	/UGI3/SRVM	/UGI3/IDOC_INPUT_SERVICE	/UGI3/IDOC_INPUT_SERVICE_930

### For MDG EAM 2020 as HUB :

Object	Inbound Process code	Existing Function Module Name	To-Be Function Module Name
FUNCLOC	/UGI3/FLOC	/UGI3/IDOC_INPUT_FLOC	/UGI3/IDOC_INPUT_FLOC_940
EQUI	/UGI3/EQUI	/UGI3/IDOC_INPUT_EQUIPMENT	/UGI3/IDOC_INPUT_EQUIPMENT_940
EQ BOM	/UGI3/BOMEQ	/UGI3/MDG_IDOC_INPUT_BOMEQU	/UGI3/MDG_IDOC_INB_BOMEQU_940
FL BOM	/UGI3/BOMFL	/UGI3/MDG_IDOC_INPUT_BOMTPL	/UGI3/MDG_IDOC_INB_BOMTPL_940
WBS BOM	/UGI3/BOMWBS	/UGI3/MDG_IDOC_INPUT_BOMWBS	/UGI3/MDG_IDOC_INB_BOMWBS_940

TL(GN,EQ,FL)	/UGI3/EAM_TL	/UGI3/MDG_EAM_IDOC_INPUT_TL	/UGI3/MDG_EAM_IDOC_INB_TL_940
MSPOINT	/UGI3/MDG_MSP	/UGI3/MDG_EAM_IDOC_INPUT_MSP	/UGI3/MDG_EAM_IDOC_INB_MSP_940
MPMI	/UGI3/MPMI	/UGI3/MDG_EAM_IDOC_INPUT_MPMI	/UGI3/MDG_EAM_IDOC_IN_MPMI_940
MITEM	/UGI3/MITEM	/UGI3/MDG_EAM_IDOC_INPUT_MITEM	/UGI3/MDG_EAM_IDOC_INMITEM_940
WORK CENTER	/UGI3/WC	/UGI3/IDOC_INPUT_WORKCENTER	/UGI3/IDOC_INPUT_WRKCENTER_940
NETWORK EVENT ID	/UGI3/EVTID	/UGI3/MDG_EAM_IDOC_INPUT_NEVTI	/UGI3/MDG_IDOC_INPUT_NEVTI_940
OBJECT LINK	/UGI3/OBJLNK	/UGI3/MDG_EAM_IDOC_INPUT_OL	/UGI3/MDG_IDOC_INPUT_OL_940
OBJECT NETWORK	/UGI3/NETWR	/UGI3/MDG_EAM_IDOC_INPUT_NETWR	/UGI3/MDG_IDOC_INPUT_NETWR_940
Service Master	/UGI3/SRVM	/UGI3/IDOC_INPUT_SERVICE	/UGI3/IDOC_INPUT_SERVICE_940