

Project System
SAP Implementation at IESCO
Training Document
WBS BOM Creation
CE PMU – PD GSC

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WBS BOM Creation

1 Purpose

Document

WBS BOM is helpful in allocating material components at the project. Instead of assigning materials in the project it can be created through WBS BOM so that changing in future can be traced.

Any addition / deletion and/or change in quantity of material will be directly handled in operative projects instead of WBS BOM.

Prerequisites

WBS Element should exist for which the BOM is being created along with network activities for reference point maintenance.

1.1 Process Steps (PMU / GSC)

1.1.1 Create WBS BOM

Use

Following steps are followed during WBS BOM Creation.

Procedure

1. Access "Create WBS BOM" App From Fiori Launchpad:

The screenshot shows the 'Create WBS BOM: Initial Screen' in SAP. The top bar includes the SAP logo and the title 'Create WBS BOM: Initial Screen'. Below the title bar, there is a navigation bar with buttons: Menu, Back, Exit, Cancel, System, Check entries, WBS BOM ..., and Material BOM The main area contains several input fields: WBS Element (with a red box), Material (with a red box), Plant (with a red box), BOM Usage (with a red box), Change Number, and Valid From (pre-filled with '18.04.2018').

2. Update the following required and optional fields:

Field name	Description	User action and values	Comments
WBS Element		Example:	WBSE for which you want

		PI.1708-1718.1.001.2	to create WBS BOM
Material		Example: 99900	Header material for which you want to create the WBS BOM
Plant	A place where materials are produced, or goods and services are provided	Example: 202	
BOM Usage	This key defines the area (such as engineering/design or production) where a BOM can be used	Example: F	

SAP Create WBS BOM: Initial Screen

Menu ▾ ◀ Back Exit Cancel System ▾ Check entries WBS BOM ... Material BOM ...

WBS Element Material - New Grid - F11

Material

PMU-GSC BOM HEADER MATERIAL

Plant

BOM Usage WBS BOM

Validity

Change Number

Valid From

3. Press Enter

Menu ▾ Save Back Exit Cancel System ▾ Select All Deselect All Item

WBS Element Material - New Grid - F11

Material

PMU-GSC BOM HEADER MATERIAL

Plant

Material Document General

Item	ICt	Component	Component descri...	Function ID	Quantity	Un	OD	Asm
0010	L	<u>10112</u>			2			☐
0020	L	<u>10123</u>			5			☐
0030	L							☐

4. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Component for item 0010		Example: 10112	Material number of the components that you enter, as part of the WBS BOM.
Quantity for item 0010		Example: 2	Quantity of the BOM component.
Component for item 0020		Example: 10123	Material number of the components that you enter, as part of the WBS BOM.

Quantity for item 0020		Example: 5	Quantity of the BOM component.
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Menu ▾
Save
Back
Exit
Cancel
System ▾
Select All
Deselect All
Item
Header
Subitems
New Entries
Delete item
Header De

WBS Element: Material - New Grid - F11
Material:
PMU-GSC BOM HEADER MATERIAL
Plant:

Material | Document | General

Item	ICt	Component	Component description	Function ID	Quantity	Un
0010	L	<u>10112</u>	Transformer		2	EA
0020	L	<u>10123</u>	Meter Wire		5	M
0030	L					

5. Press Save

Result:

WBS BOM has been created.

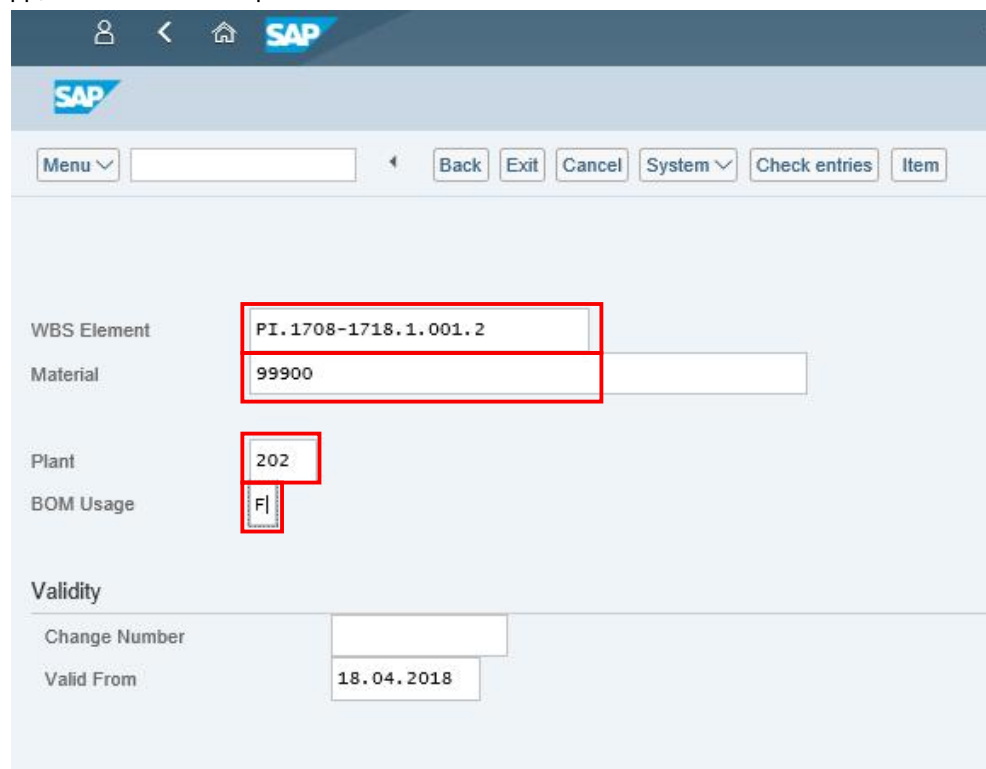
1.1.2 Assign Reference Point to WBS BOM Components

Use

Following steps are followed during assignment of Reference Point in the Material Component in WBS BOM.

Procedure

Access the "Change WBS BOM" App, From Fiori Launchpad:



The screenshot shows the SAP 'Change WBS BOM' app interface. The form contains the following fields and values:

Field	Value
WBS Element	PI.1708-1718.1.001.2
Material	99900
Plant	202
BOM Usage	F
Change Number	
Valid From	18.04.2018

1. Update the following required and optional fields:

Field name	Description	User action and values	Comments
WBS Element		Example: PI.1708-1718.1.001.2	WBSE for which you want to create WBS BOM
Material		Example: 99900	Header material for which you want to create the WBS BOM
Plant	A place where materials are produced, or goods and services are provided	Example: 202	
BOM Usage	This key defines the area (such as engineering/design or production) where a BOM can be used	Example: F	

2. Press Enter

Menu ▾
Save
Back
Exit
Cancel
System ▾
Select All
Deselect All
Item
Header
Subitems
New Entries
Delete item
Header D

WBS Element
PI.1708-1718.1.001.2
Material - New Grid - F11
Material
99900
PMU-GSC BOM HEADER MATERIAL
Plant
202
Riphah University

Material
Document
General

Item	ICt	Component	Component description	Function ID	Quantity	Un
0010	L	<u>10112</u>	Transformer		2	EA
0020	L	<u>10123</u>	Meter Wire		5	M
0030	L					

3. Select material line item(s) in WBS BOM by clicking button on the left of material or select all items by clicking Select All
4. Click Item button
5. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Reference Point for item 0010	Creates a logical link between BOM items network activities	Example: R000001	
Reference Point for item 0020	Creates a logical link between BOM items network activities	Example: R000002	

Menu

System

Basic Data

Status/Lng Text

Administr.

Document Assgmt

Sort String
Sub-item ID ☐

Quantity Data

Quantity	2	EA	Fixed Quantity	☐
Operation scrap in %			Component Scrap (%)	
Net ID	☐			

General Data

MRP Data

AltItemGroup		Recurs. allowed	☐	Lead-time offset	
Discontin. data		Recursive	☐	Oper. LT offset	
Reference point	R000001	ALE indicator	☐	Distribution key	
			☐	Phantom item	

6. Press Next Button to move to next selected material (If select all option was selected in option 5)

Menu ▾ Save Back Exit Cancel System ▾ Previous item **Next Item** Header Subitems

Basic Data Status/Lng Text Administr. Document Assgmt

Component 10123 Meter Wire

Item category L Stock item

Item ID 00000002

Sort String

Sub-item ID ☐

Quantity Data

Quantity 5 M Fixed Quantity ☐

Operation scrap in % Component Scrap (%)

Net ID ☐

General Data MRP Data

AltItemGroup ☐ Recurs. allowed ☐ Lead-time offset

Discontin. data Recursive ☐ Oper. LT offset

ALE indicator ☐ Distribution key

Reference point R000002 Phantom item ☐

7. Press Save

Result:

Reference Points for WBS BOM Transfer has been maintained.