Training Manual

For

Production Planning - BOM

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1 Creation of Bills of Material (BOM)

1.1 Purpose

To create Bills of Material required for production planning, production execution and MRP.

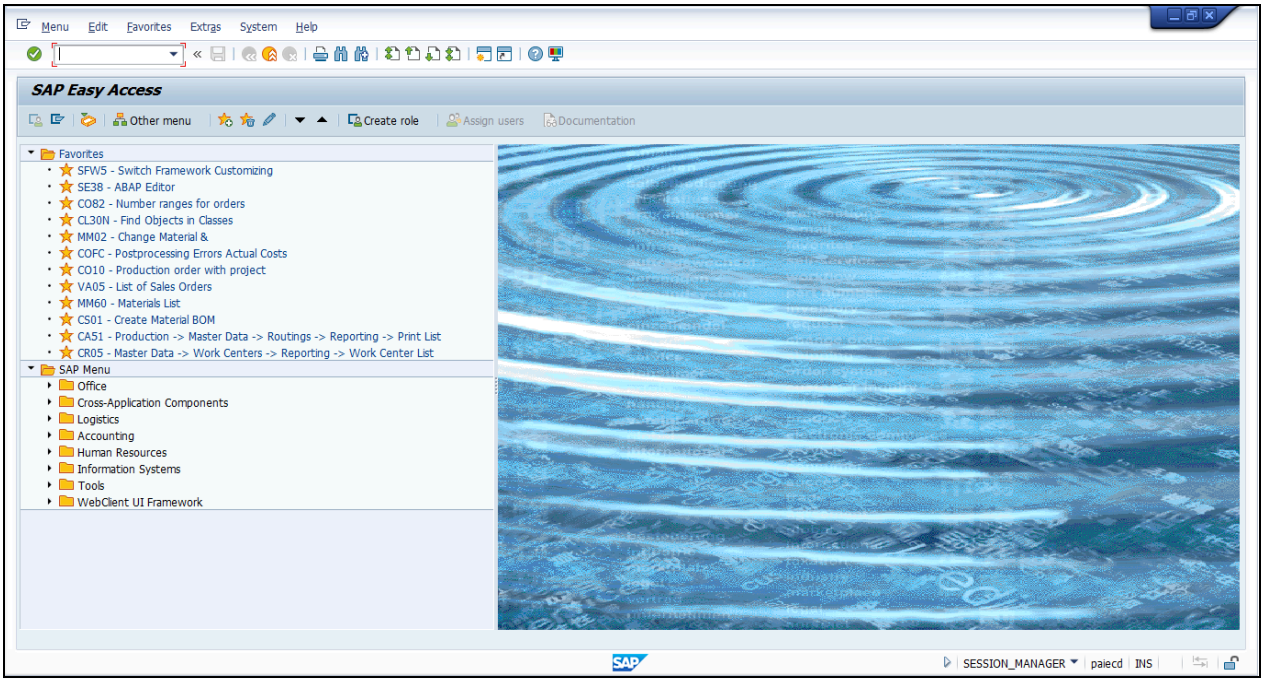
1.2 Prerequisites

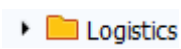
Material Master for FG and components

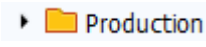
1.3 Procedural steps

1. Start the transaction using the menu path or transaction code.

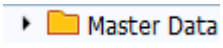
SAP Easy Access



2. Click Logistics tree item 

3. Click Production tree item 

.

4. Click Master Data tree item 

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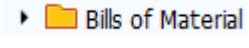
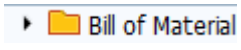
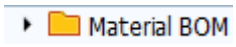
5. Click Bills of Material tree item 

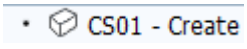
.

6. Click Bill of Material tree item 

.

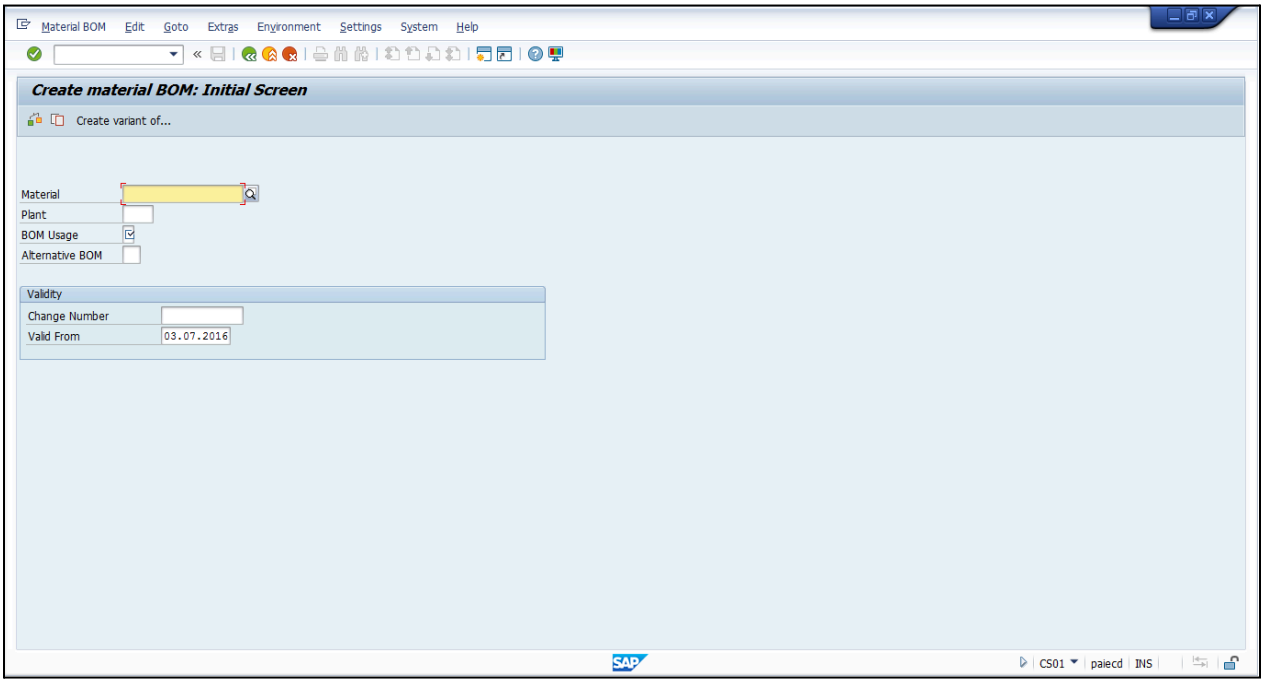
7. Click Material BOM tree item 

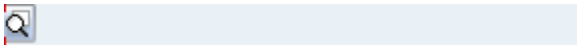
.

8. Double-click CS01 - Create tree item 

or Type Transaction Code: CS01

Create material BOM: Initial Screen



9. Click label 
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10. Click Plant Material by Description menu item

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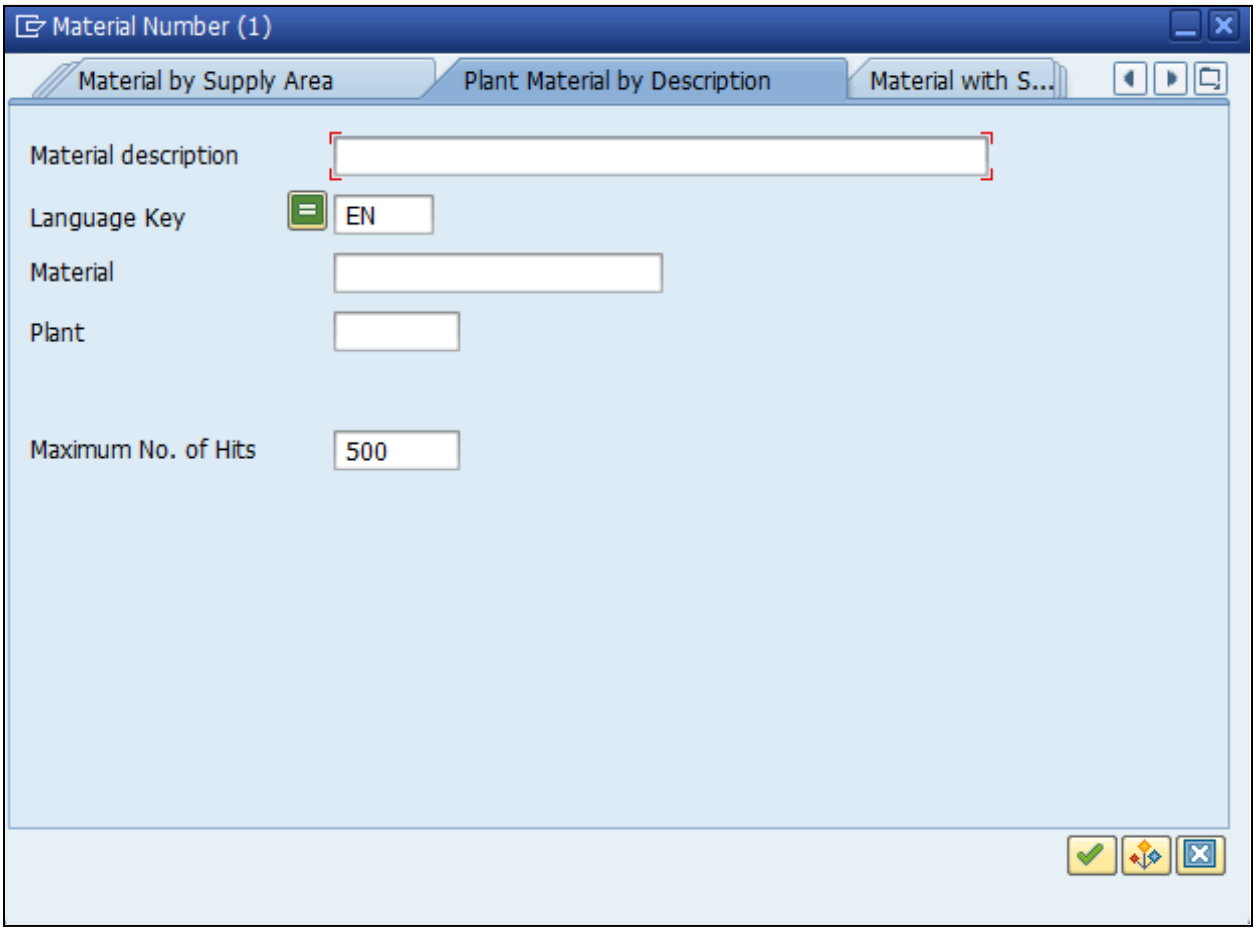
Material Number (1)



11. As required, complete/review the following fields:

Field	R/O/C	Description
Plant	R	**Example:** 1100

Material Number (1) 41 Entries found

Material Number (1) 41 Entries found

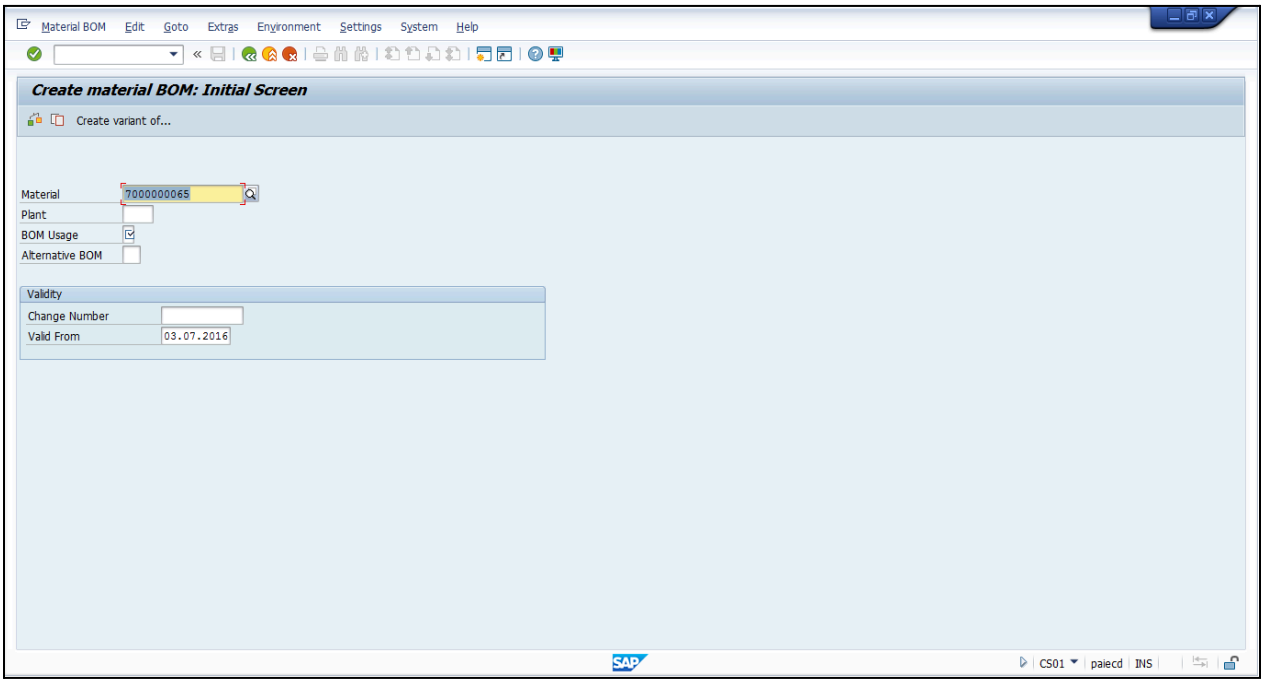
Material by Supply Area | Plant Material by Description | Material wit...

Material description	Language	Material	Plnt
AL BEHAR	EN	7000000062	1100
BOPP METALLIZED FILM 1115MM X 20 MIC	EN	1000000023	1100
BOPP TRANSPARENT FILM 1175MMX20MIC	EN	1000000010	1100
BOPP TRANSPARENT FILM 1175MMX20MIC	EN	1000000012	1100
BRITANIA MARIE GOLD 176G	EN	7000000066	1100
CARTON PLAIN 520*400*210 MM; 5 PLY	EN	6000000001	1100
CHAIR	EN	5000000013	1100
DIESEL GENERATING SET 110 KV	EN	5000000031	1100
ETHANOL NCE 002	EN	1000000020	1100
ETHYL ACETATE NCE 003	EN	1000000021	1100
GLYCOL ETHER DOW PM	EN	1000000022	1100
HD PRINTED BAG 25MX38X45 LULU	EN	7000000030	1100
INK RED WARM 83233-9605 INARA	EN	1000000017	1100
INK YELLOW 93361-83235 CRYSTAL PROCESS	EN	1000000019	1100
INK CRYSTAL PROCESS BLACK 83235-8333I	EN	1000000013	1100
INK CRYSTAL PROCESS CYAN 83235-9417I	EN	1000000014	1100
INK CRYSTAL PROCESS MAGENTA 83235-9647I	EN	1000000016	1100
INK CRYSTAL-PLUS WHITE 83235-2500 INARA	EN	1000000018	1100
LAMINATION ADHESIVE CAC S620	EN	1000000024	1100
LAMINATION HARDNER S200 TAWAZON	EN	1000000025	1100
LAMINATION SECTION SMFG	EN	2000000003	1100
LAPTOP	EN	5000000012	1100
LD PLAIN BAG 100*50*90; TR.; NESTLE	EN	7000000003	1100
LD PLAIN BAG 300*45*64; TR.; RAK ROCK	EN	7000000004	1100
LD PLAIN BAG 80MX50X60(10+5) LULU	EN	7000000061	1100
LD PLN ROLL 3.66X90X100 G CLR	EN	2000000022	1100
LD PRINTED BAG 80MX50X60(10+5) LULU	EN	7000000029	1100
LD PRINTED BAG 80MX50X60(10+5) LULU	EN	7000000052	1100
LD PTD BG 80M*40*50(10+5)(FHSTR)(BIODEG)	EN	7000000023	1100
LDPE GRANULE FE3000 MAKE : QAPCO	EN	1000000004	1100
LDPE GRANULE GR 0274: MAKE OAPCO	EN	1000000002	1100

41 Entries found

12. Double-click Material 7000000065

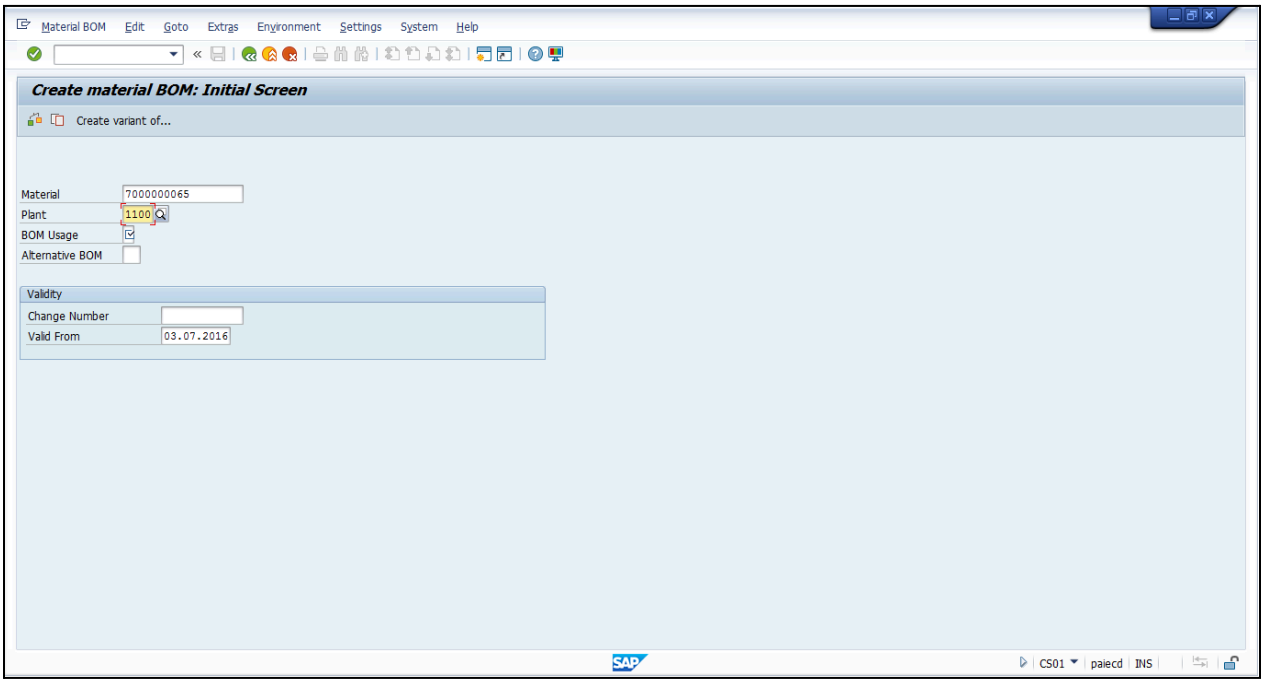
Create material BOM: Initial Screen



13. As required, complete/review the following fields:

Field	R/O/C	Description
Plant	R	**Example:** 1100

Create material BOM: Initial Screen



14. As required, complete/review the following fields:

Field	R/O/C	Description
BOM Usage	R	**Example:** 1 - Production

15. Click button .

BOM Usage (1) 10 Entries found

BOM Usage (1) 10 Entries found

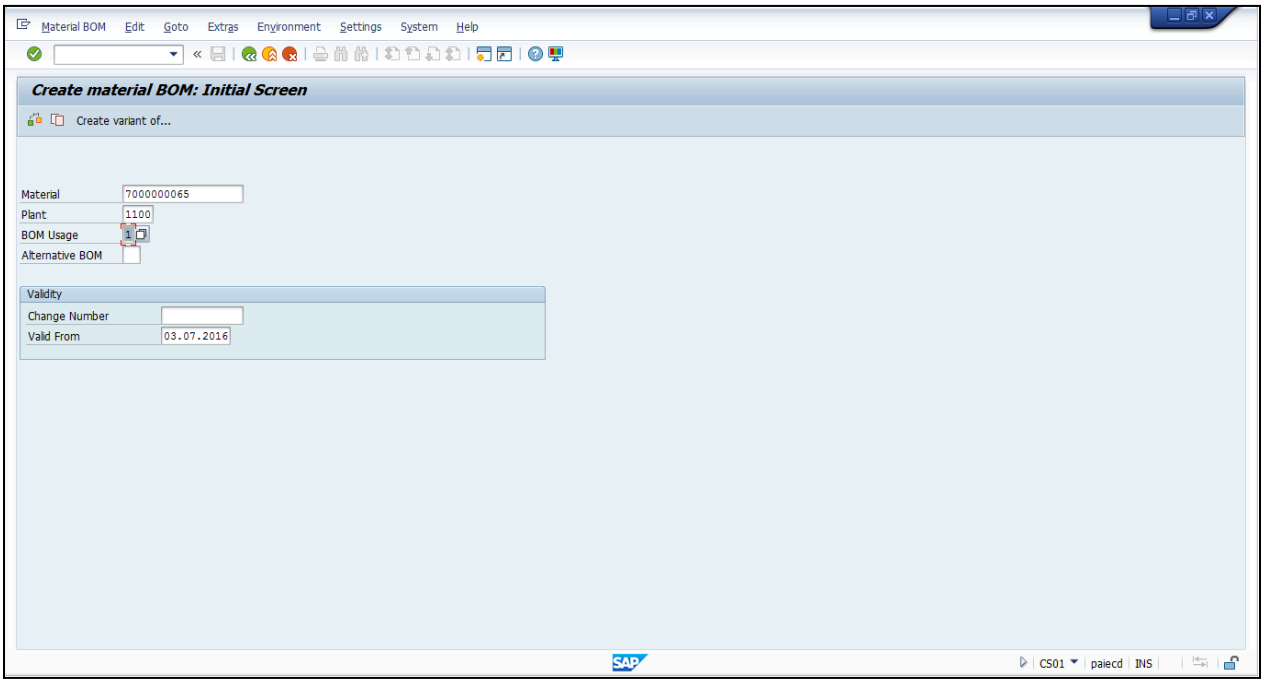
Restrictions

Usage	Prod.	Eng/des.	PM	Spare	CostRel	Sales	Usage text
1	+	.	-	.	.	-	Production
2	.	+	-	.	.	-	Engineering/Design
3	.	.	-	.	.	.	Universal
4	-	-	+	.	.	-	Plant Maintenance
5	.	.	-	.	.	+	Sales and Distribution
6	.	.	-	.	+	.	Costing
7	.	-	-	-	.	.	Empties
8	-	.	-	-	-	-	Stability Study
C	-	-	+	.	.	-	Configuration Control
M	.	.	.	.	.	.	External Munitions Display

10 Entries found

16. Double-click Production label Production.

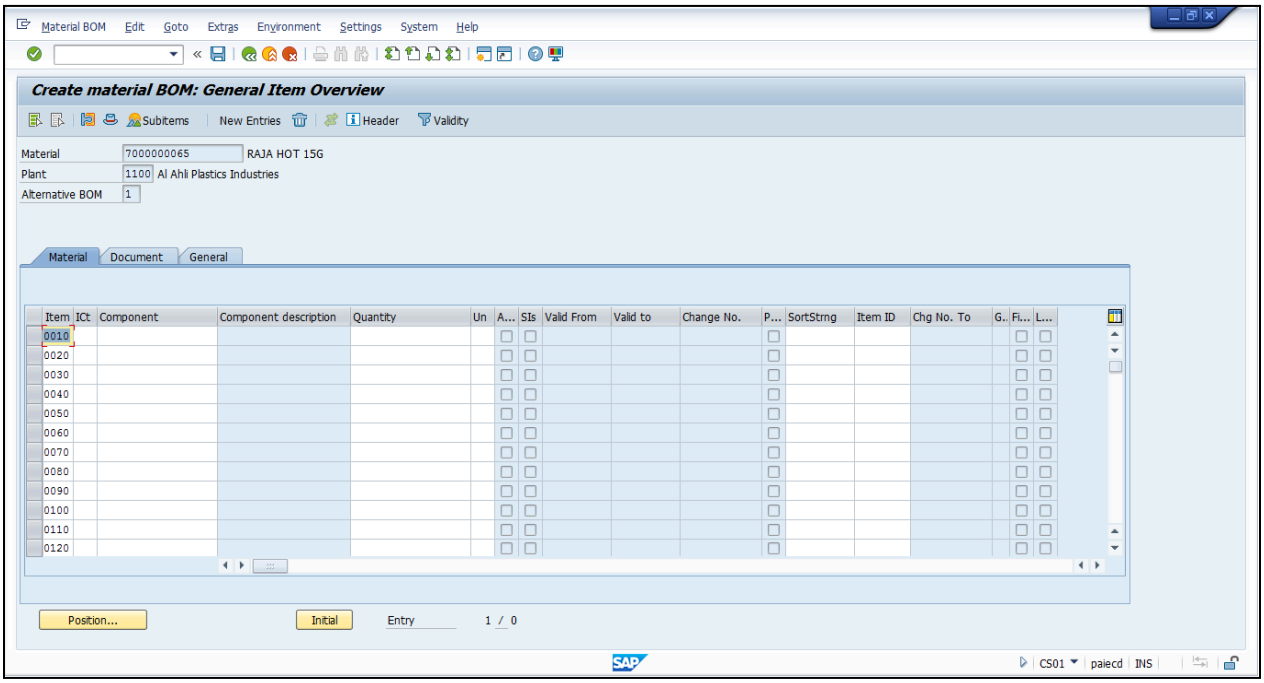
Create material BOM: Initial Screen



17. As required, complete/review the following fields:

Field	R/O/C	Description
Valid From	R	**Example:** 01.06.2016 (this is important, preferably it should be past date or before go-live date during data migration)

Create material BOM: General Item Overview



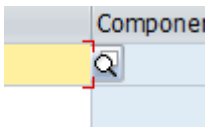
18. Click control .

19. As required, complete/review the following fields:

Field	R/O/C	Description
Item Category	R	**Example:** L

20. Click L list item L.

21. Click control .

22. Click control 

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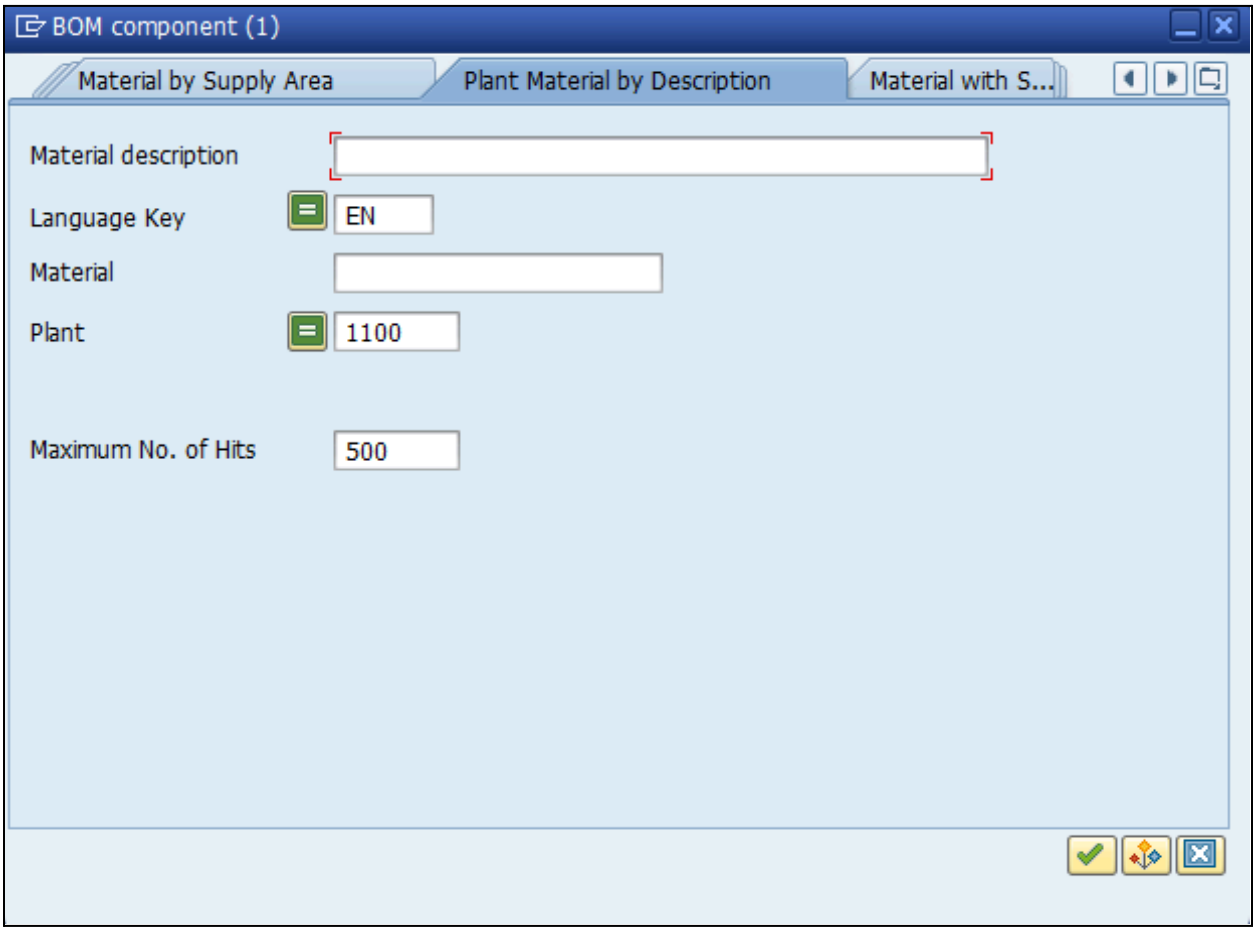
BOM component (1)



23. Press "Return".

BOM component (1) 41 Entries found

BOM component (1) 41 Entries found

Material by Supply Area | Plant Material by Description | Material wit...

Material description	Language	Material	Plnt
AL BEHAR	EN	7000000062	1100
BOPP METALLIZED FILM 1115MM X 20 MIC	EN	1000000023	1100
BOPP TRANSPARENT FILM 1175MMX20MIC	EN	1000000010	1100
BOPP TRANSPARENT FILM 1175MMX20MIC	EN	1000000012	1100
BRITANIA MARIE GOLD 176G	EN	7000000066	1100
CARTON PLAIN 520*400*210 MM; 5 PLY	EN	6000000001	1100
CHAIR	EN	5000000013	1100
DIESEL GENERATING SET 110 KV	EN	5000000031	1100
ETHANOL NCE 002	EN	1000000020	1100
ETHYL ACETATE NCE 003	EN	1000000021	1100
GLYCOL ETHER DOW PM	EN	1000000022	1100
HD PRINTED BAG 25MX38X45 LULU	EN	7000000030	1100
INK RED WARM 83233-9605 INARA	EN	1000000017	1100
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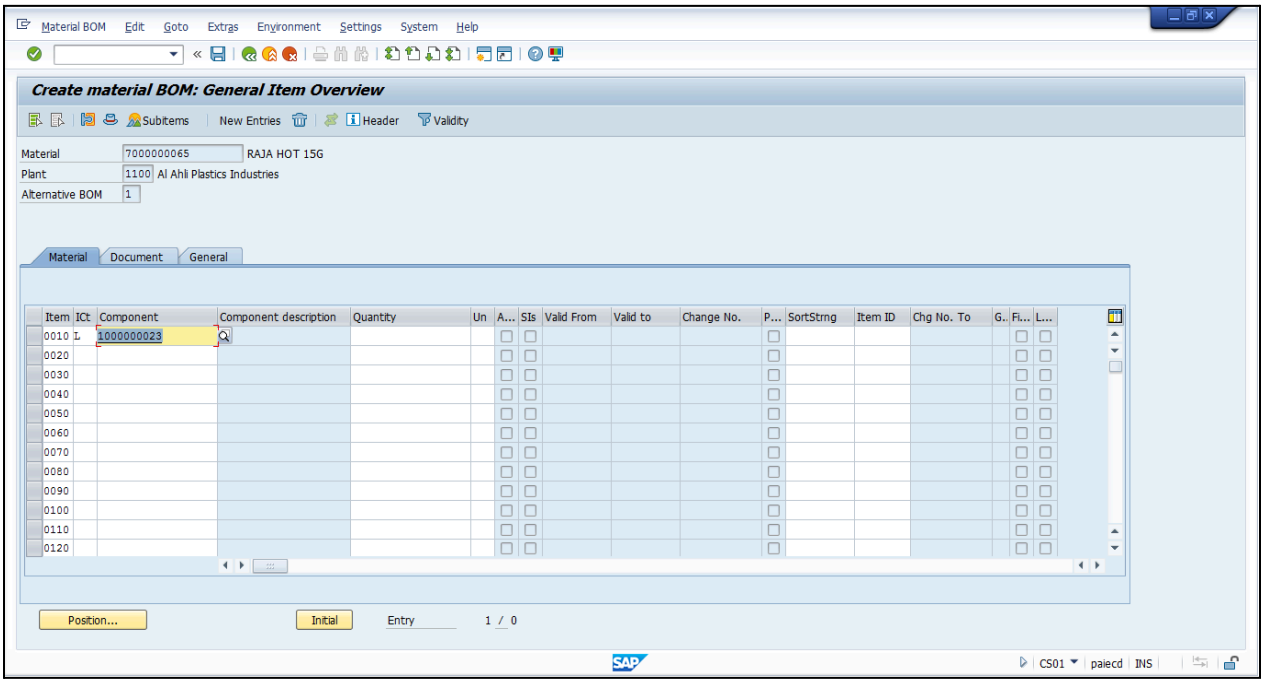
INK CRYSTAL PROCESS MAGENTA 83235-9647I	EN	1000000016	1100
INK CRYSTAL-PLUS WHITE 83235-2500 INARA	EN	1000000018	1100
LAMINATION ADHESIVE CAC S620	EN	1000000024	1100
LAMINATION HARDNER S200 TAWAZON	EN	1000000025	1100
LAMINATION SECTION SMFG	EN	2000000003	1100
LAPTOP	EN	5000000012	1100
LD PLAIN BAG 100*50*90; TR.; NESTLE	EN	7000000003	1100
LD PLAIN BAG 300*45*64; TR.; RAK ROCK	EN	7000000004	1100
LD PLAIN BAG 80MX50X60(10+5) LULU	EN	7000000061	1100
LD PLN ROLL 3.66X90X100 G CLR	EN	2000000022	1100
LD PRINTED BAG 80MX50X60(10+5) LULU	EN	7000000029	1100
LD PRINTED BAG 80MX50X60(10+5) LULU	EN	7000000052	1100
LD PTD BG 80M*40*50(10+5)(FHSTR)(BIODEG)	EN	7000000023	1100
LDPE GRANULE FE3000 MAKE : QAPCO	EN	1000000004	1100
LDPE GRANULE GR 0274: MAKE OAPCO	EN	1000000002	1100

41 Entries found

24. Double-click BOPP METALLIZED FILM 1115MM X 20 MIC label

BOPP METALLIZED FILM 1115MM X 20 MIC .

Create material BOM: General Item Overview



25. Click control .

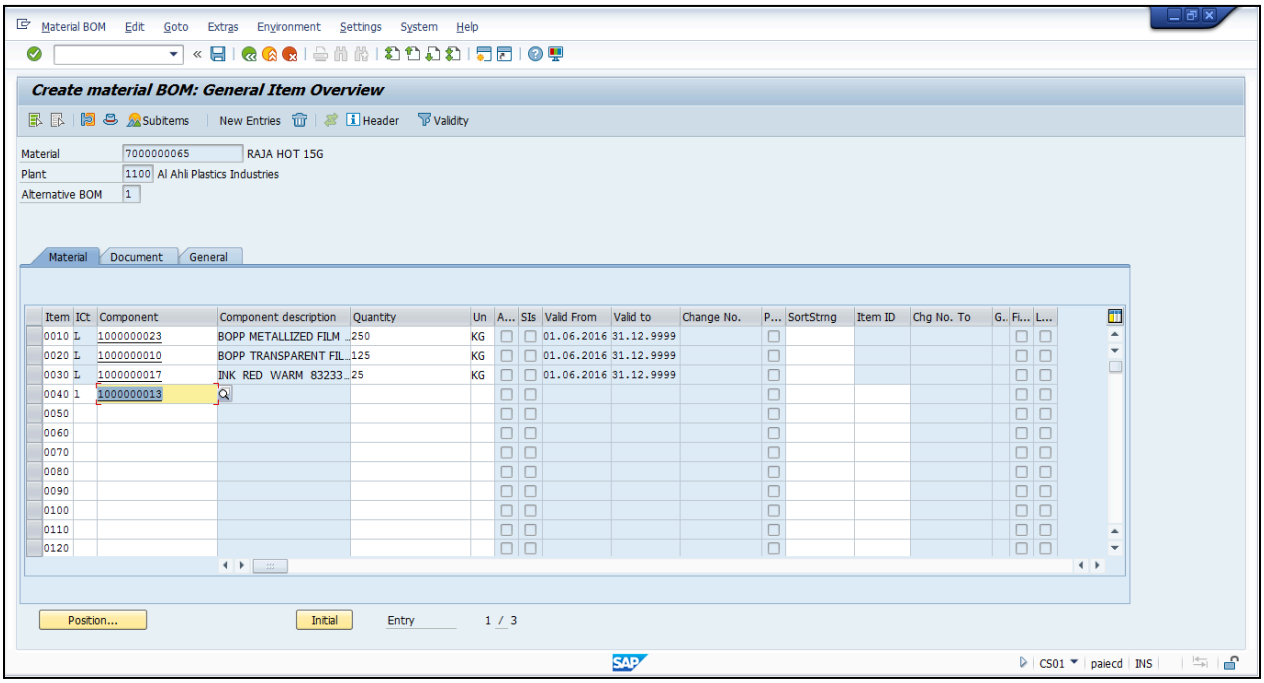
26. As required, complete/review the following fields:

Field	R/O/C	Description
Quantity	R	**Example:** 250

27. As required, complete/review the following fields:

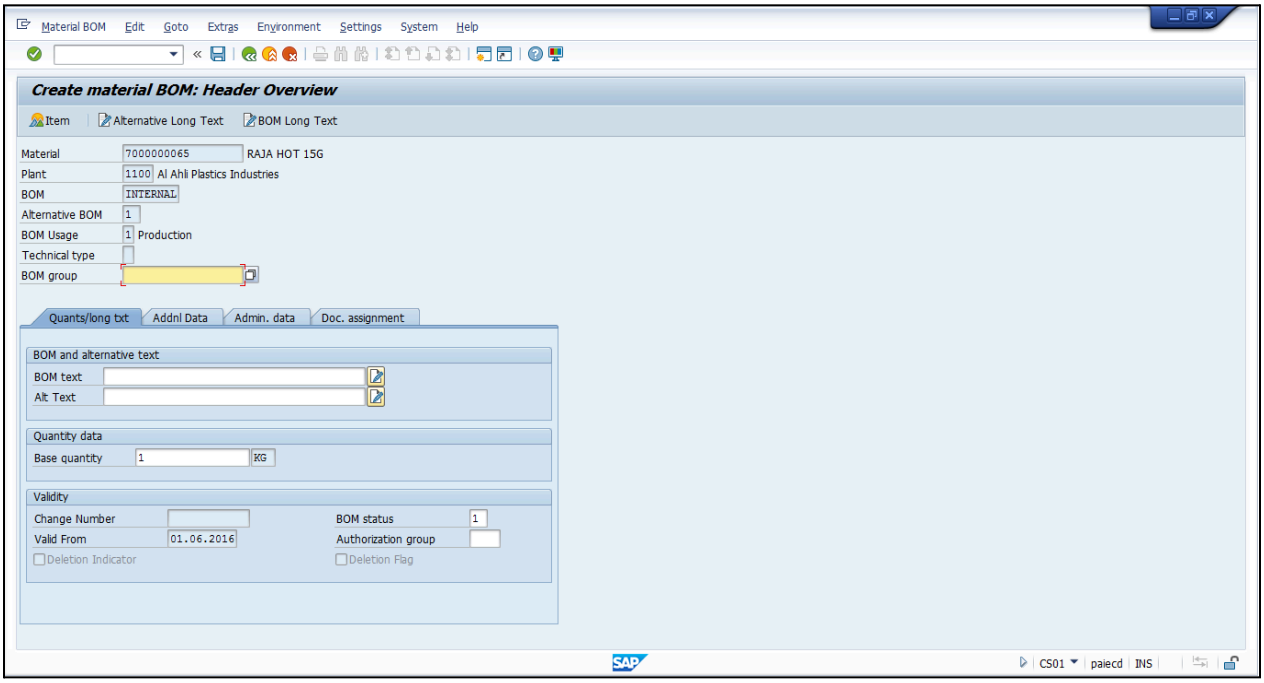
Field	R/O/C	Description
unselected	R	**Example:** Kg or as per issue UOM

Create material BOM: General Item Overview



28. Click Header button .

Create material BOM: Header Overview



29. As required, complete/review the following fields:

Field	R/O/C	Description
Base quantity	R	**Example:** 1000 (this is important, BOM component quantities are with reference to Header Quantity)
BOM status	R	**Example:** 1 (Active)

30. Click button .

BOM status (1) 3 Entries found

BOM status (1) 3 Entries found

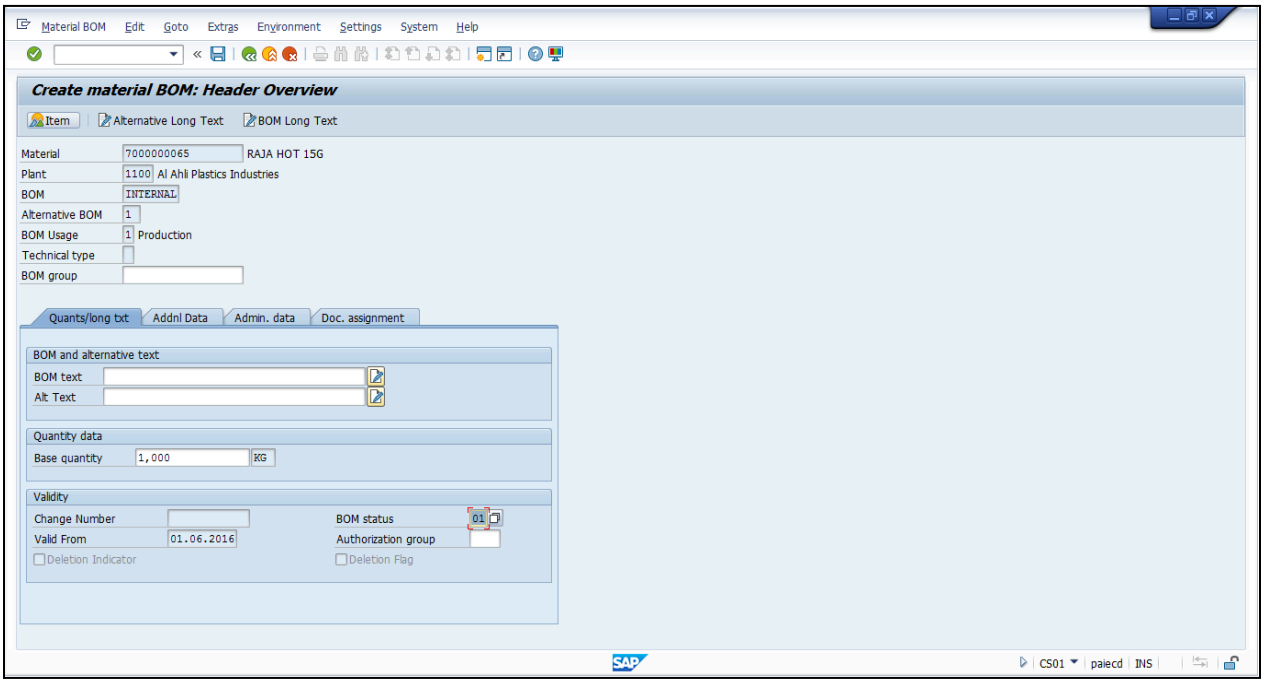
Restrictions

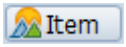
BOM St	MRPExplo	PlanOrd	Rel cstg	RelWkSch.	Rel ords	Coll is	SalesOrd	ExMs ID	Description of BOM status
01	☑	☑	☑	☑	☑	☑	☑		Active
02	☐	☐	☐	☐	☐	☐	☐		Inactive
03	☑	☑	☐	☑	☐	☐	☑		Active with history reqmt

3 Entries found

31. Double-click 01 label 01.

Create material BOM: Header Overview



32. Click Item button 

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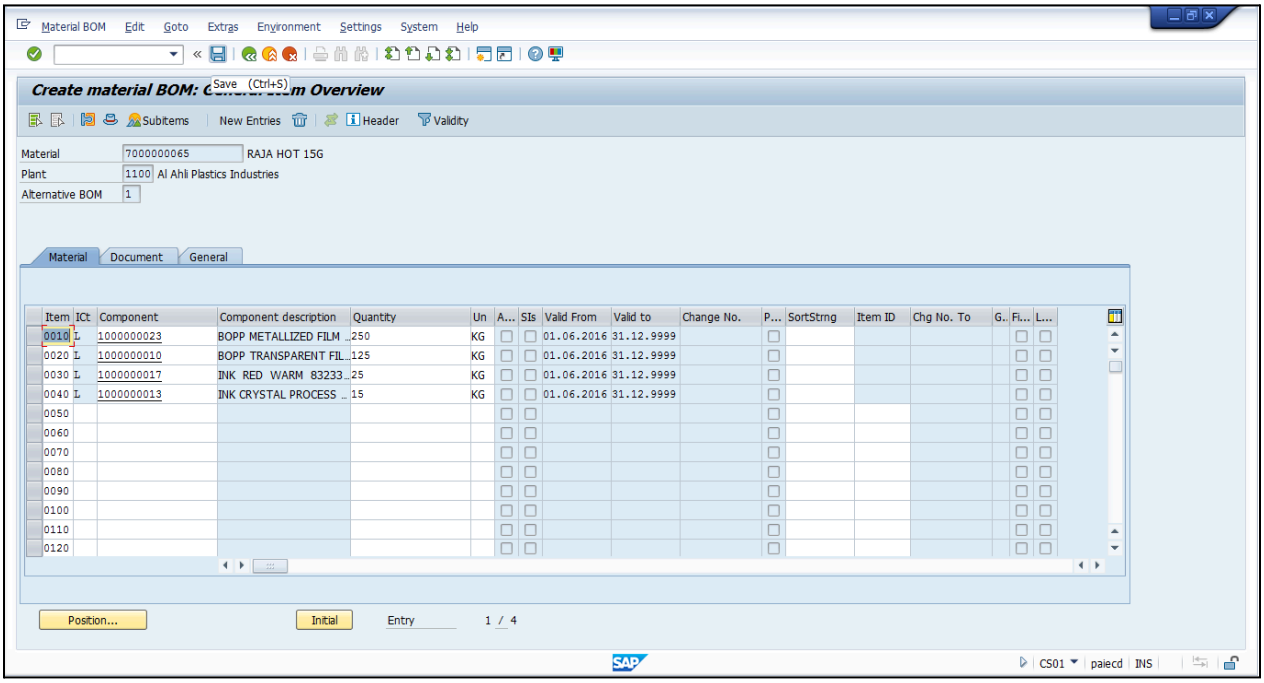
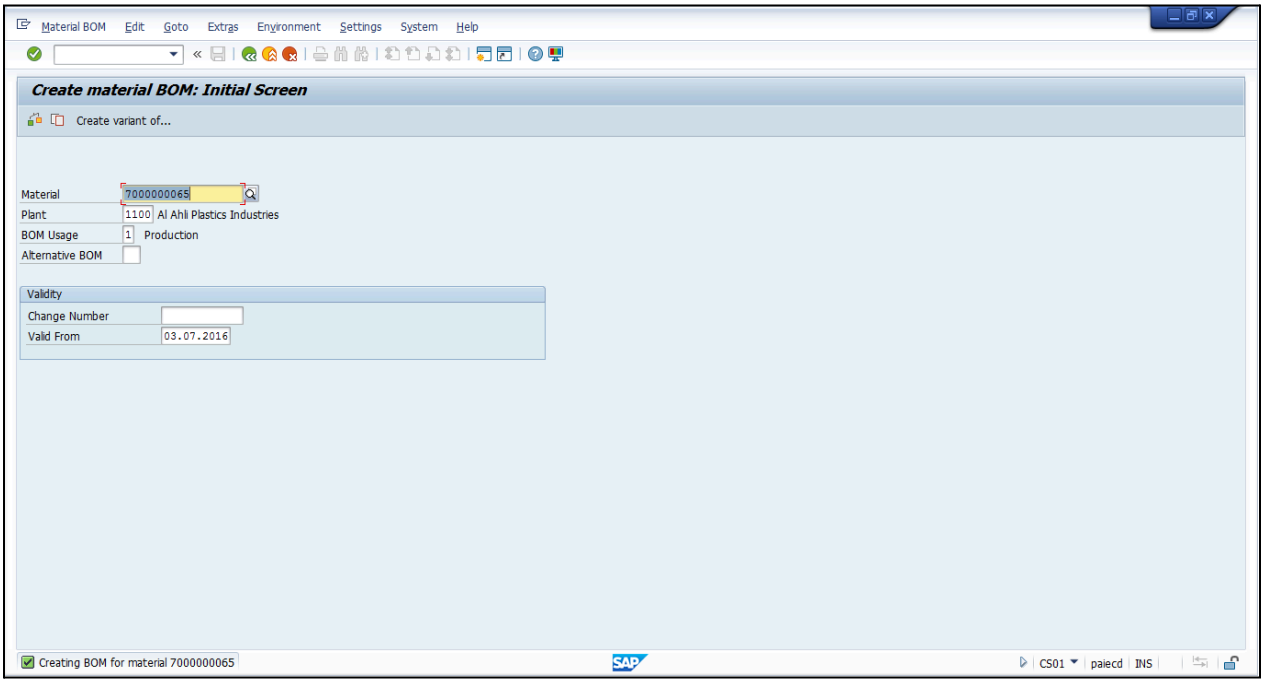
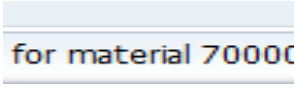
Create material BOM: General Item Overview



33. Click button .

Create material BOM: Initial Screen



34. Double-click control 

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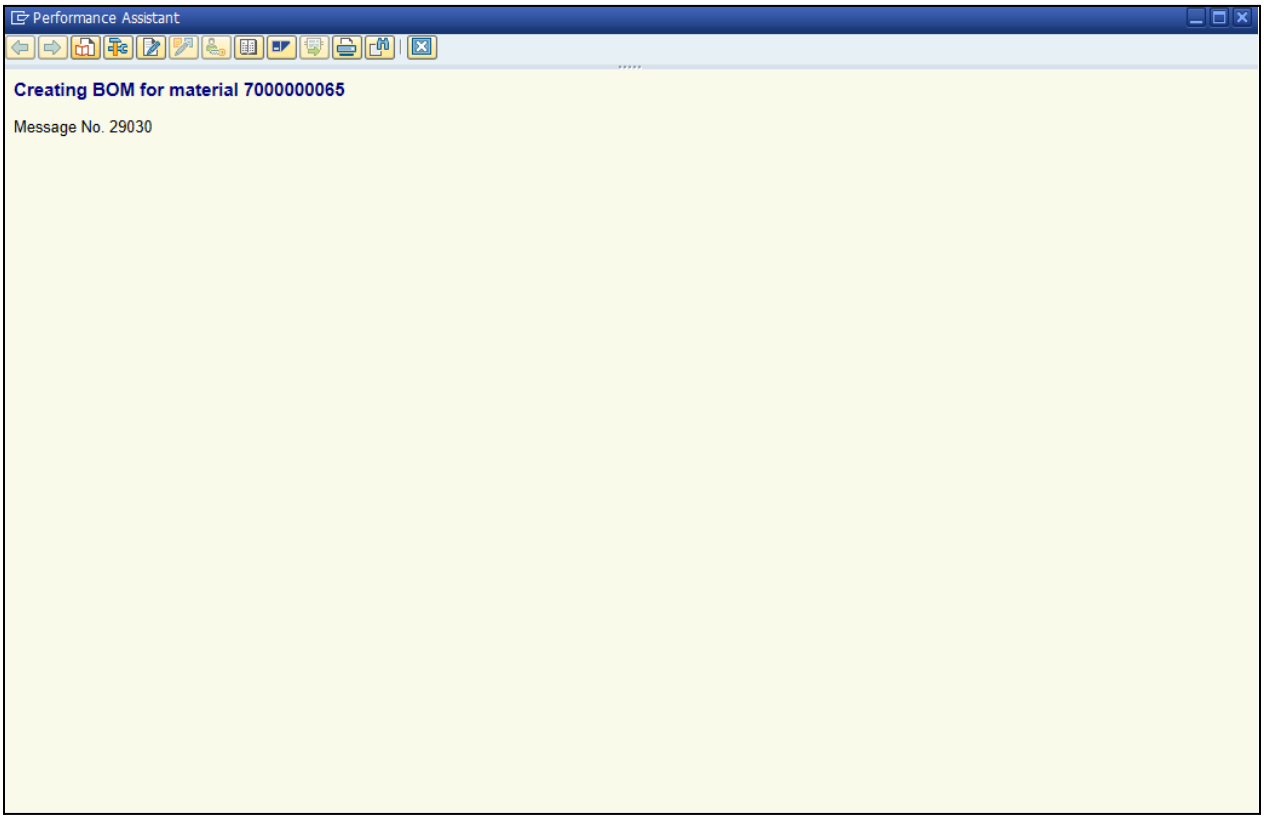
Performance Assistant



35. Drag **Creating BOM for material 7000000065**

Creating BOM for material 7000000065.

2 Change Bills of Material

2.1 Purpose

Change or Update Bills of material.

2.2 Prerequisites

Bills of Material and Components to be already created.

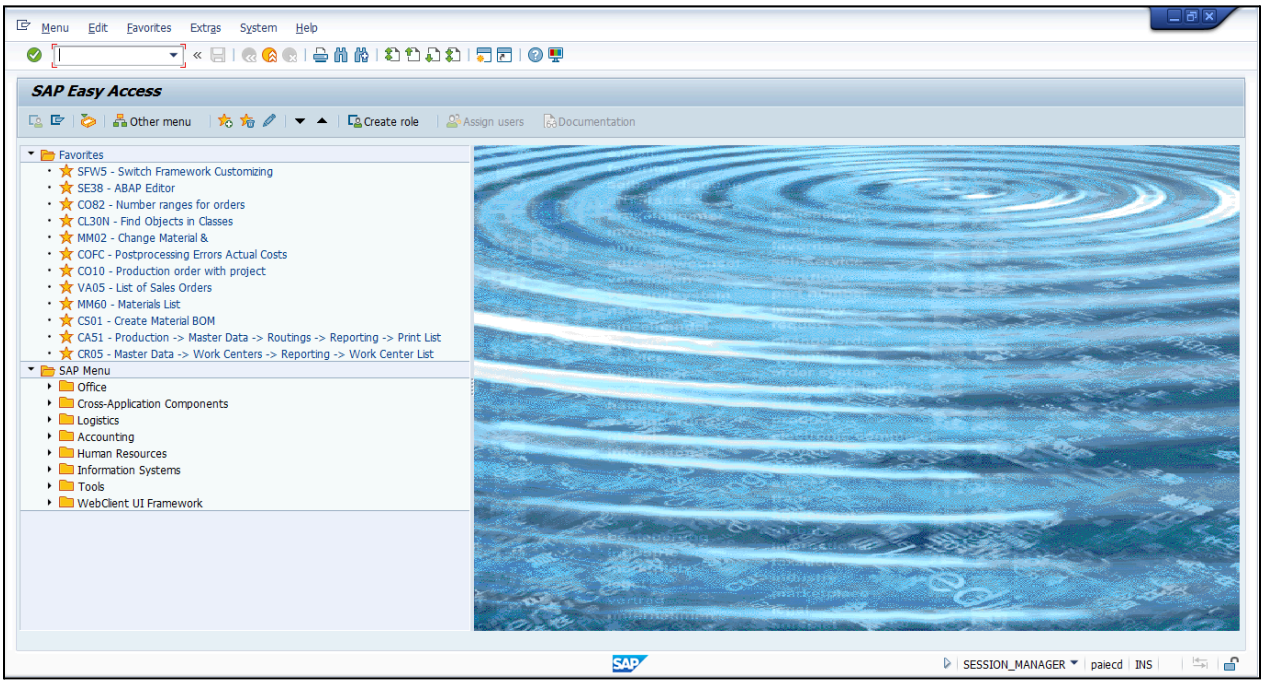
2.3 Procedural steps

First goto the initial screen called the SAP Easy Access.

Procedure

1. Start the transaction using the menu path or transaction code (CS02).

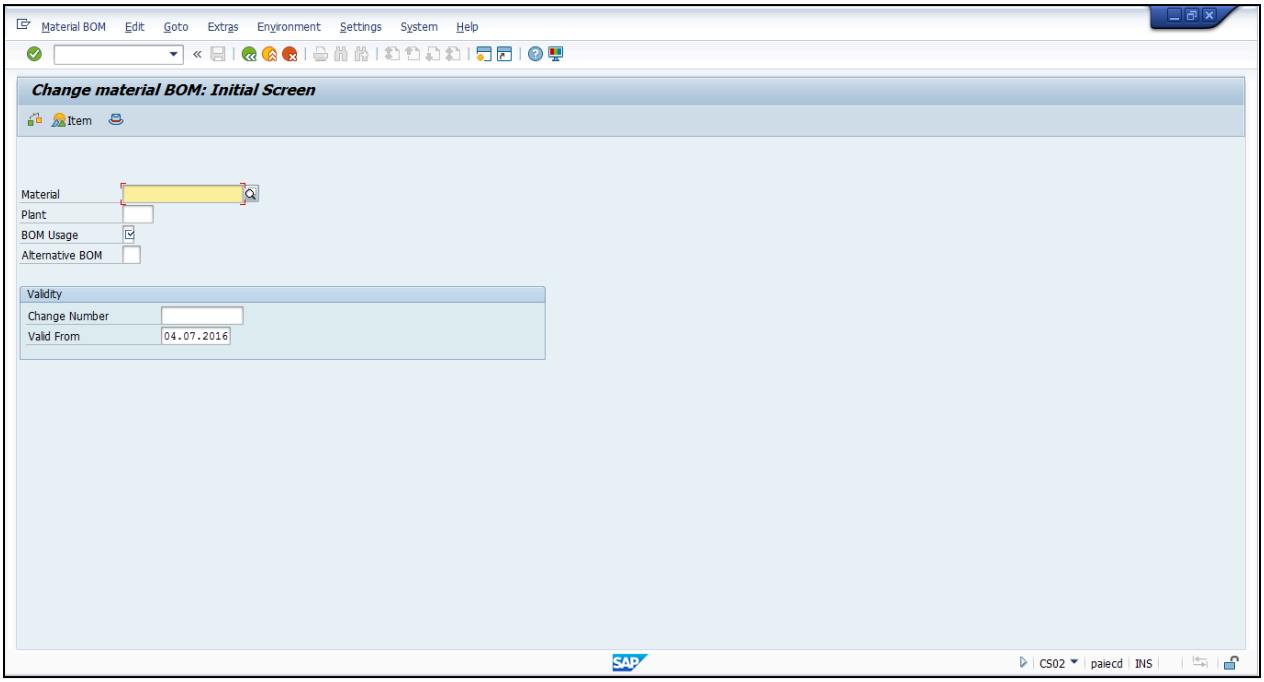
SAP Easy Access



2. As required, complete/review the following fields:

Field	R/O/C	Description
Transaction Code	R	**Example:** CS02

Change material BOM: Initial Screen

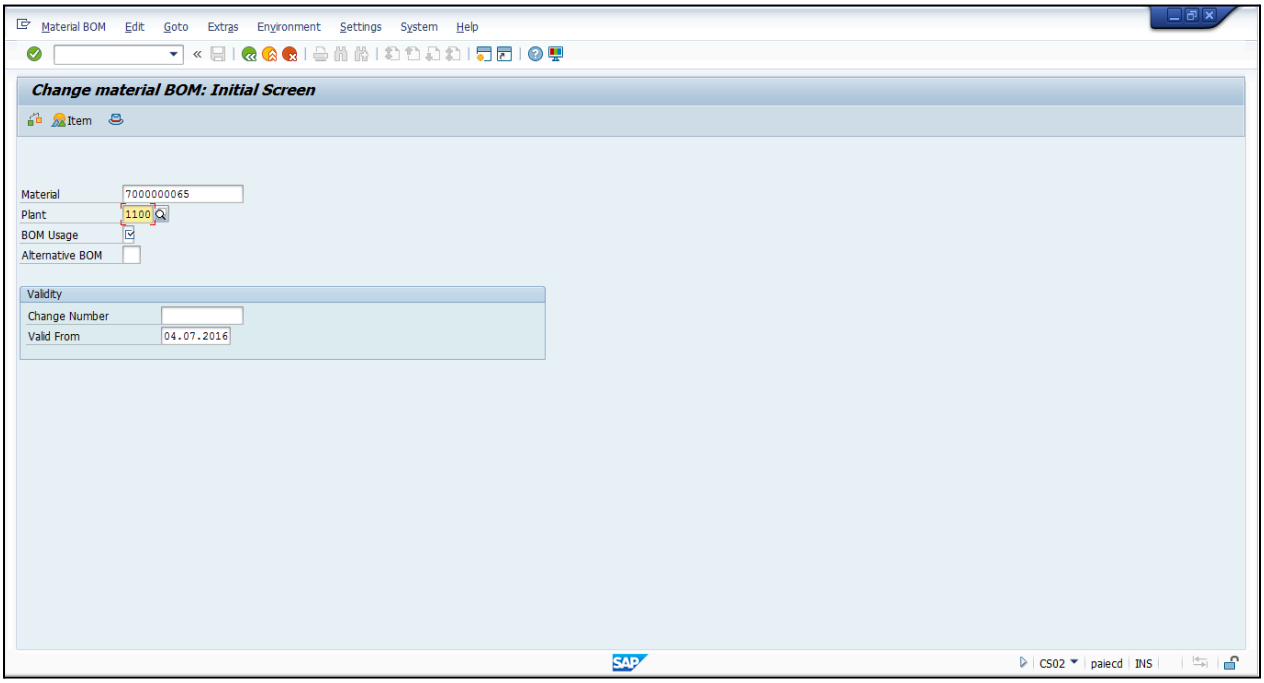


3. As required, complete/review the following fields:

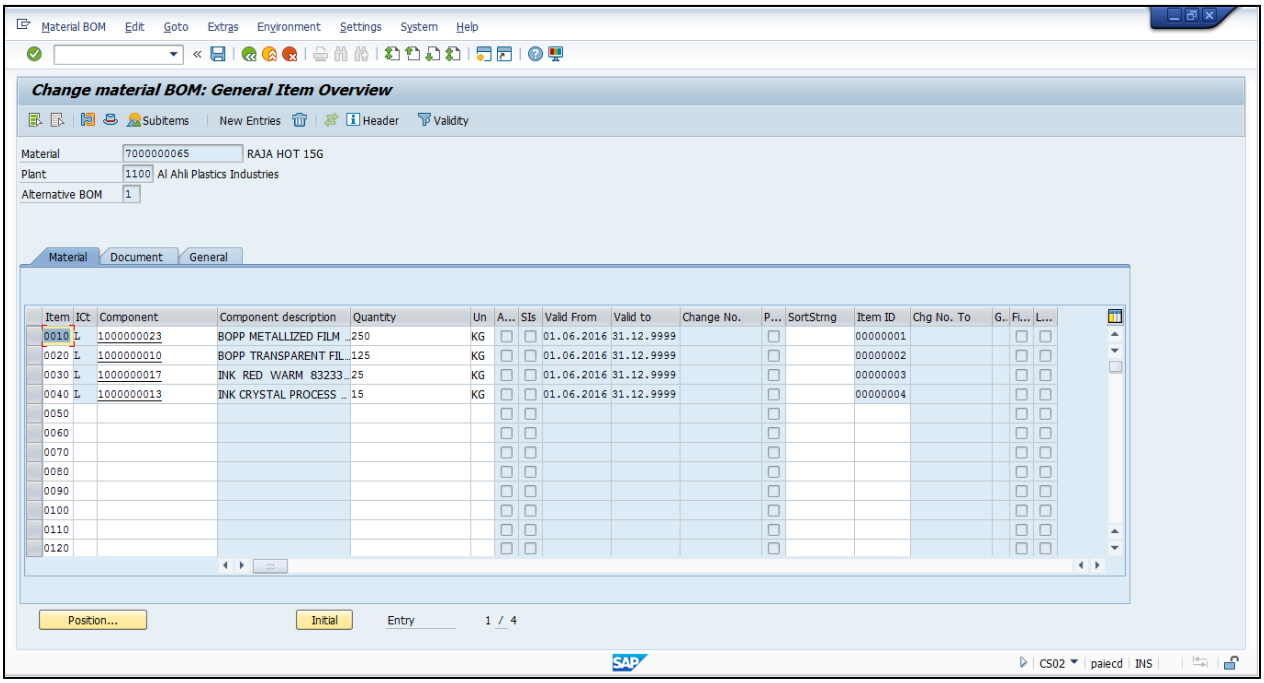
Field	R/O/C	Description
Material	R	**Example:** 7000000065
Plant	R	**Example:** 1100

Field	R/O/C	Description
Usage	R	**Example:** 1

Change material BOM: Initial Screen



Change material BOM: General Item Overview



Item	ICt	Component	Component description	Quantity	Un	A...	SIs	Valid From	Valid to	Change No.	P...	SortStrng	Item ID	Chg No. To	G..	Fi...	L...
0010	L	1000000023	BOPP METALLIZED FILM ..	250	KG			01.06.2016	31.12.9999				00000001				
0020	L	1000000010	BOPP TRANSPARENT FIL..	125	KG			01.06.2016	31.12.9999				00000002				
0030	L	1000000017	INK RED WARM 83233..	25	KG			01.06.2016	31.12.9999				00000003				
0040	L	1000000013	INK CRYSTAL PROCESS ..	15	KG			01.06.2016	31.12.9999				00000004				
0050																	
0060																	
0070																	
0080																	
0090																	
0100																	
0110																	
0120																	

4. As required, complete/review the following fields:

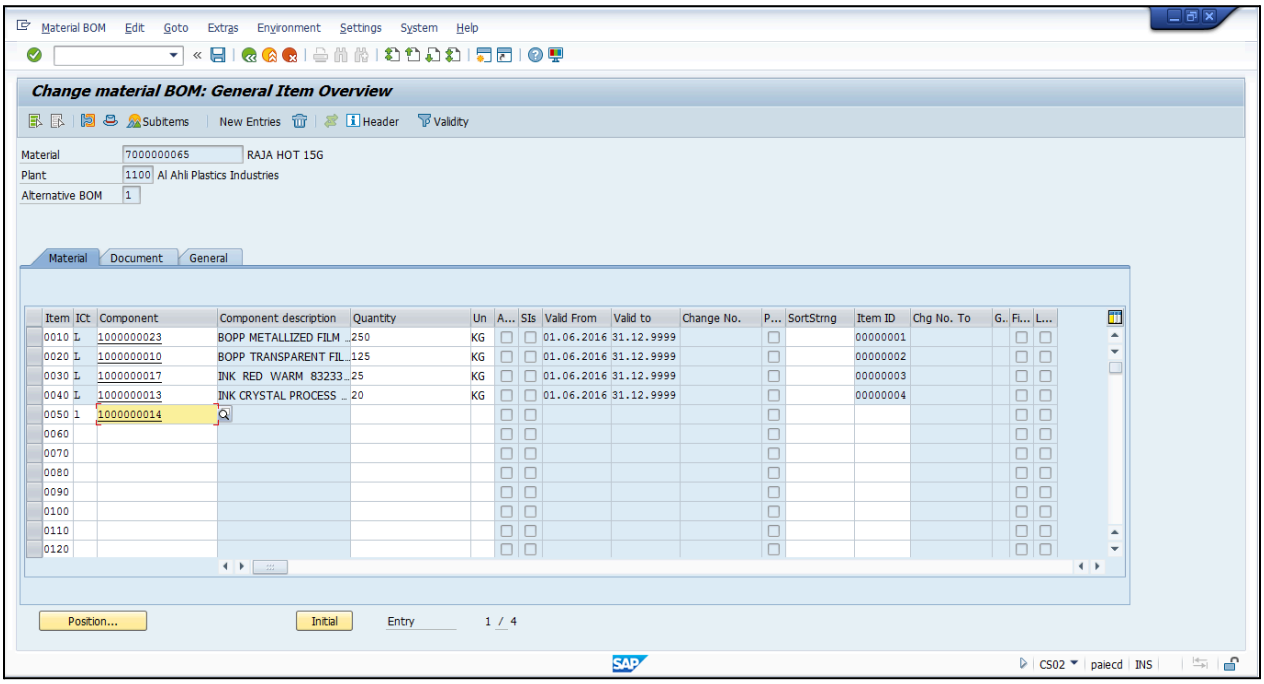
Field	R/O/C	Description
Old Quantity	R	**Example:** 15
New Quantity	R	**Example:** 20

5. As required, complete/review the following fields:

Field	R/O/C	Description
Add New Component	R	**Example:** 1000000014

Field	R/O/C	Description
Add quantity	R	5

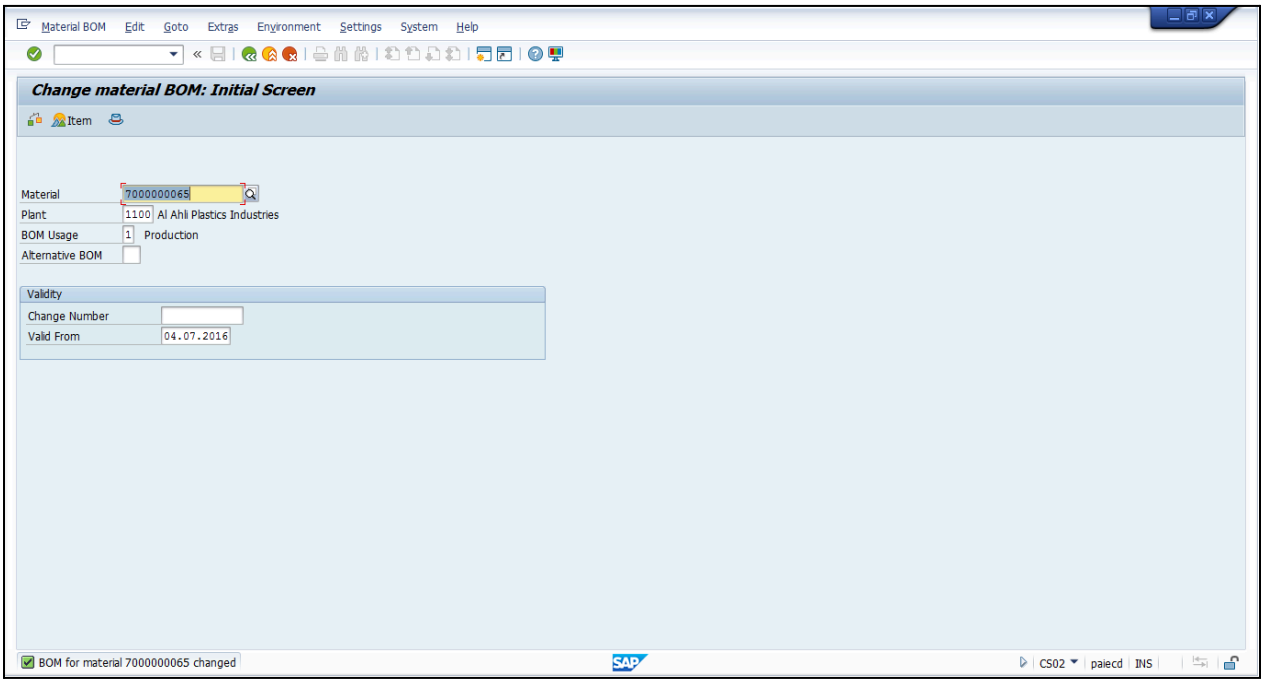
Change material BOM: General Item Overview



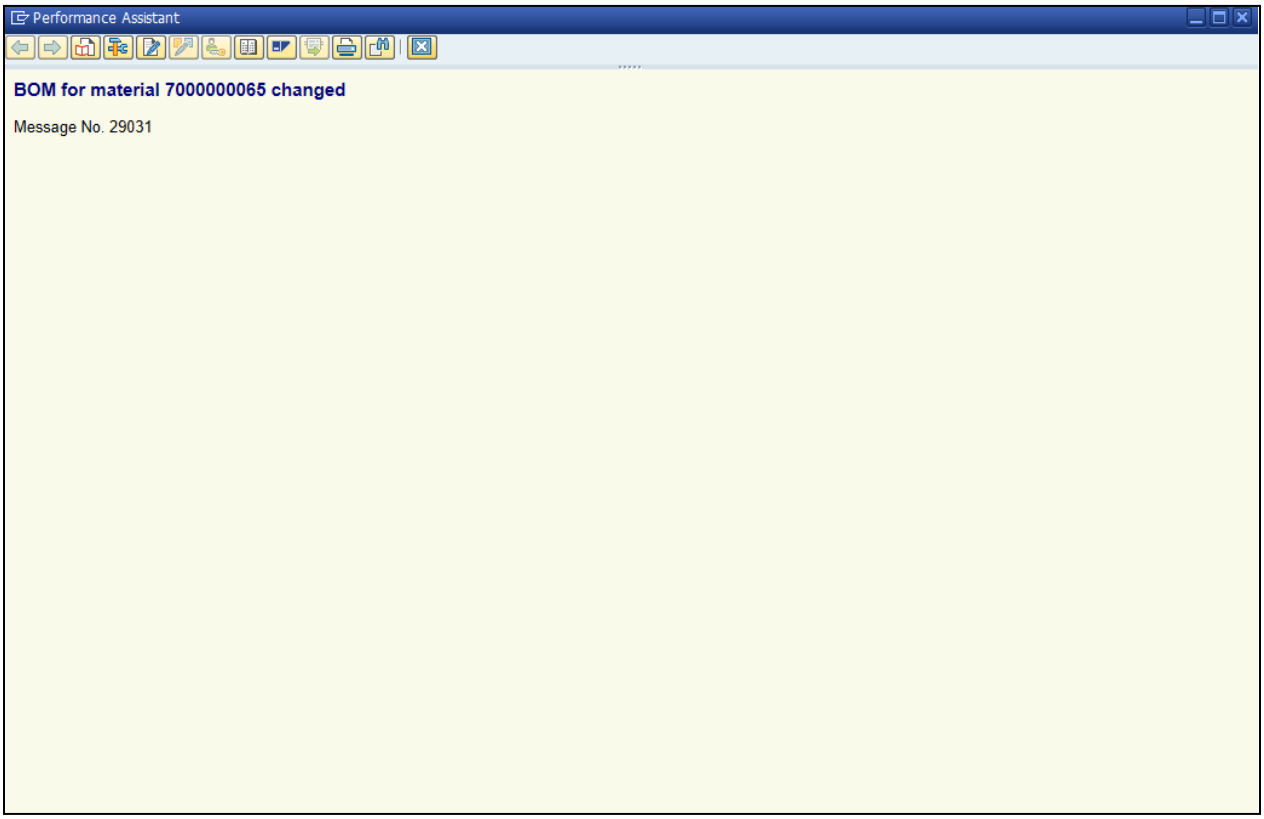
Item	ICt	Component	Component description	Quantity	Un	A...	SIs	Valid From	Valid to	Change No.	P...	SortStrng	Item ID	Chg No. To	G..	Fi...	L...
0010	L	1000000023	BOPP METALLIZED FILM ...	250	KG			01.06.2016	31.12.9999				00000001				
0020	L	1000000010	BOPP TRANSPARENT FIL...	125	KG			01.06.2016	31.12.9999				00000002				
0030	L	1000000017	INK RED WARM 83233...	25	KG			01.06.2016	31.12.9999				00000003				
0040	L	1000000013	INK CRYSTAL PROCESS ...	20	KG			01.06.2016	31.12.9999				00000004				
0050	1	1000000014															
0060																	
0070																	
0080																	
0090																	
0100																	
0110																	
0120																	

6. Click button .

Change material BOM: Initial Screen



Performance Assistant



7. Click button .

3 Display Bills of Material

3.1 Purpose

Display existing Bills of material.

3.2 Prerequisites

Bills of Material and Components to be already created.

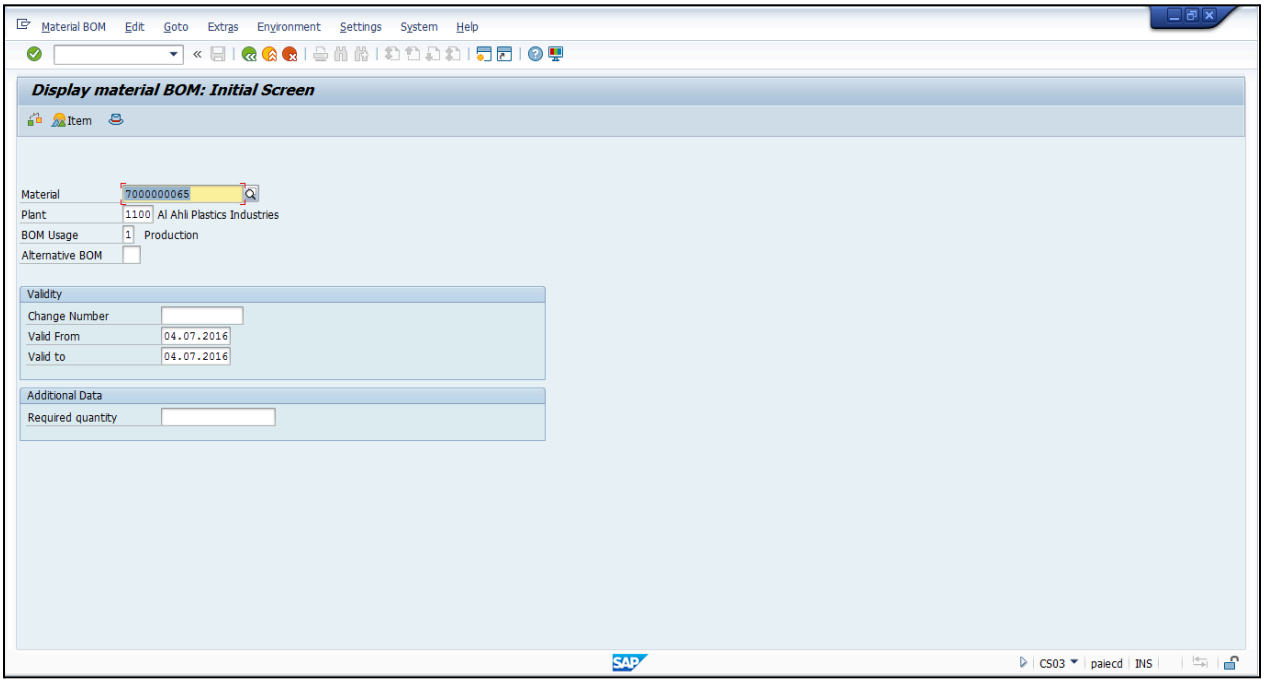
3.3 Procedural steps

First goto the initial screen called the SAP Easy Access

1. As required, complete/review the following fields:

Field	R/O/C	Description
Transaction Code	R	**Example:** CS03

Display material BOM: Initial Screen

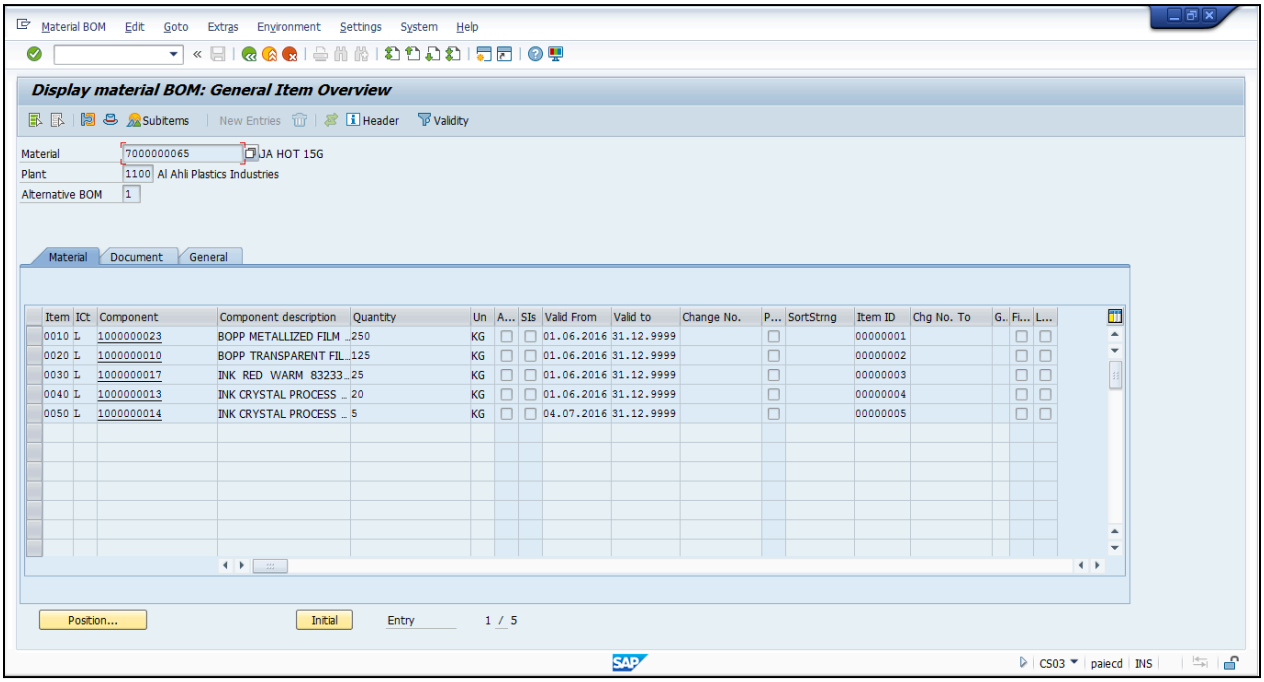


2. As required, complete/review the following fields:

Field	R/O/C	Description
Material	R	**Example:** 7000000065
Plant	R	**Example:** 1100

Field	R/O/C	Description
BOM Usage	R	**Example:** 1

Display material BOM: General Item Overview



3. Click Display material BOM: General Item Overview label

.

4. Click button .