



# SAP PM Equipment Bill of Materials



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## SAP PM Equipment Bill of Materials:

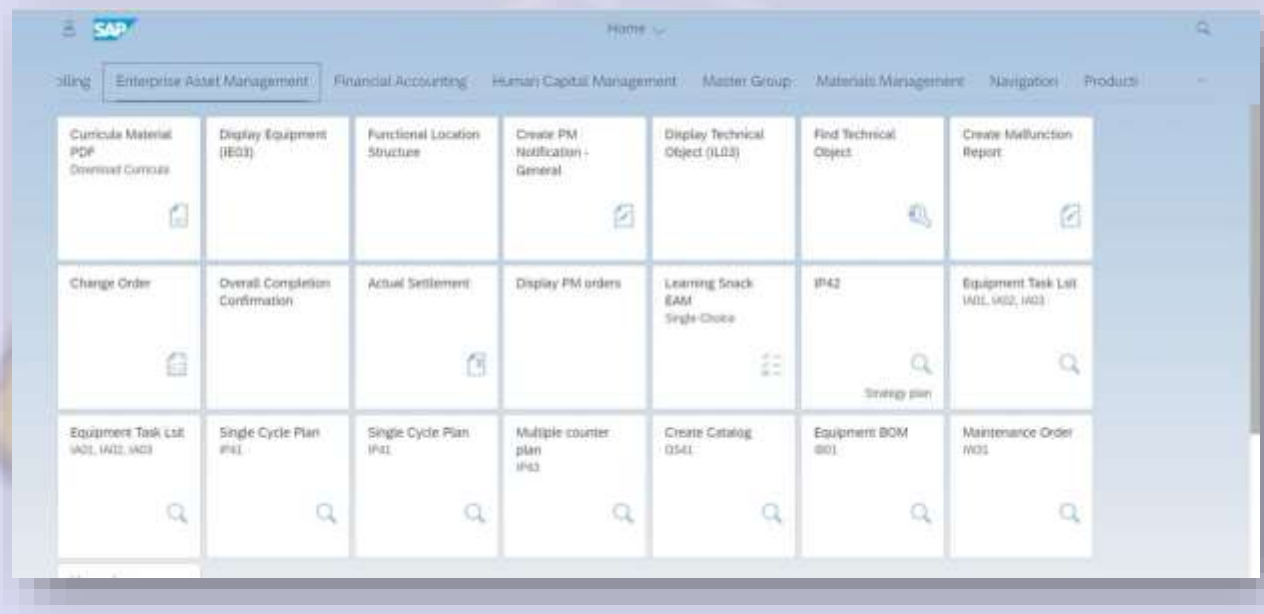
### Definition:

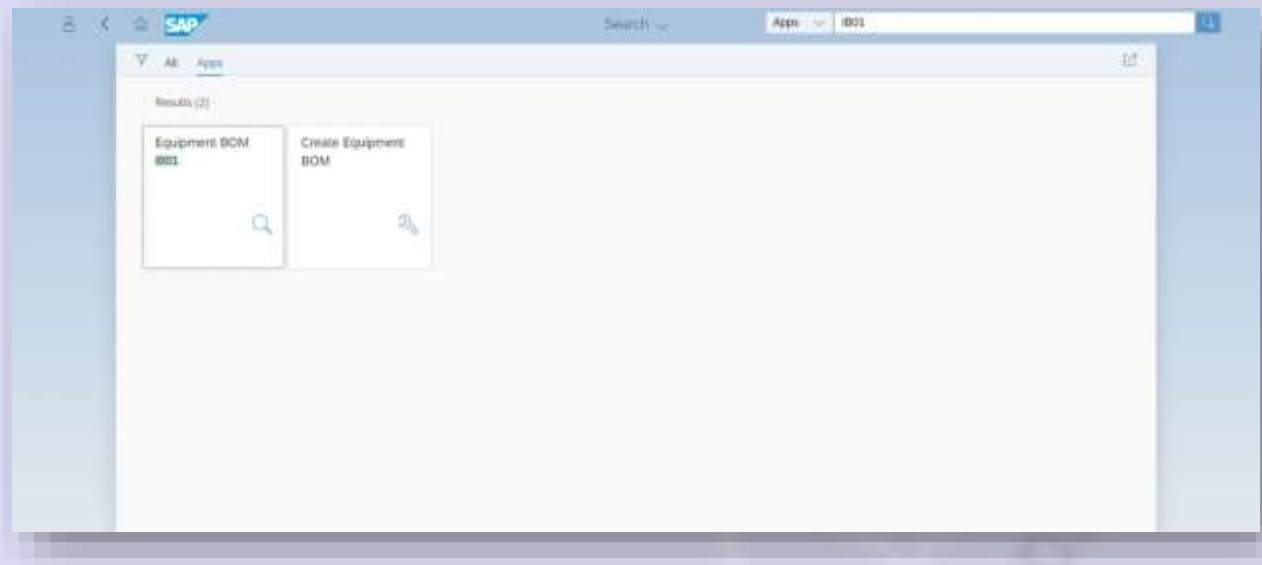
The Equipment Bill of Material in the SAP PM module is a vital component of Master Data within the SAP PM module. It serves the purpose of cataloguing information about spare parts associated with specific technical objects, such as Equipment. This information plays a crucial role in maintenance processes, aiding maintenance planners in locating the necessary spare parts for replacements. With this system in place, planners are relieved of the task of manually searching for spare parts within the complete material master during maintenance order processing.

As a consultant, it is highly recommended to create Equipment Bills of Material.

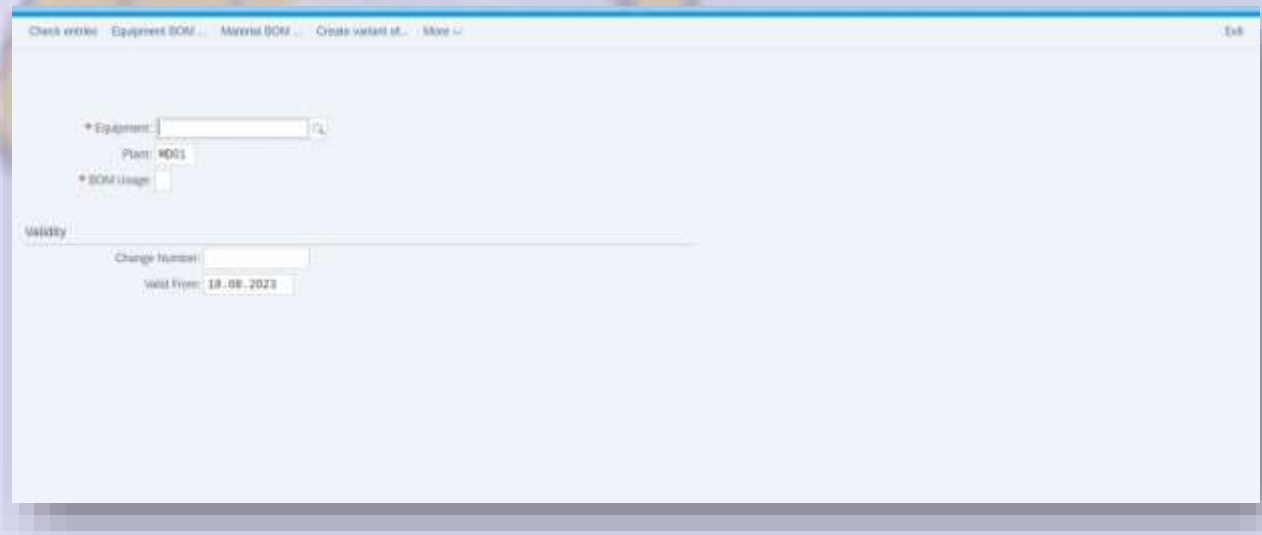
### How to Create an Equipment Bill of Material in SAP PM:

**Step 1:** Access the SAP FIORI Launchpad and execute transaction code IB01 to create an Equipment Bill of Material.





**Step 2:** Create Equipment BOM initial screen will appear. Here you must enter the equipment with reference to which you want to create the bill of material.



Create equipment BOM: initial screen

Maintenance Plant (1)

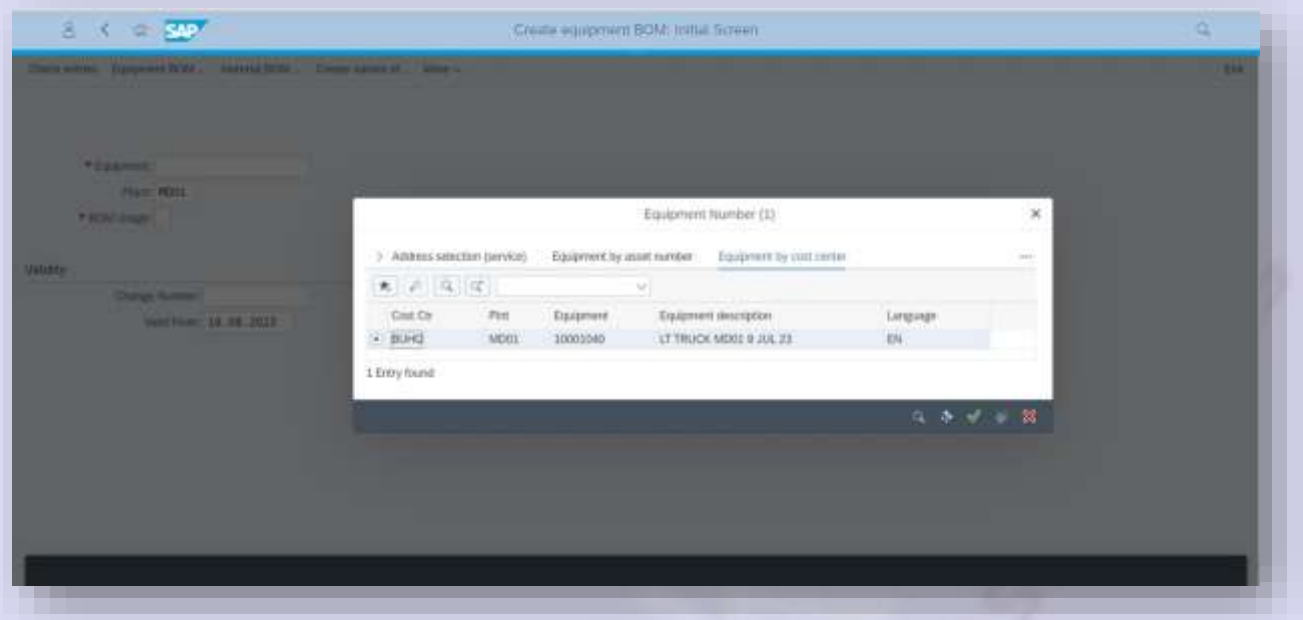
Restrictions

Search Term 2: MU00

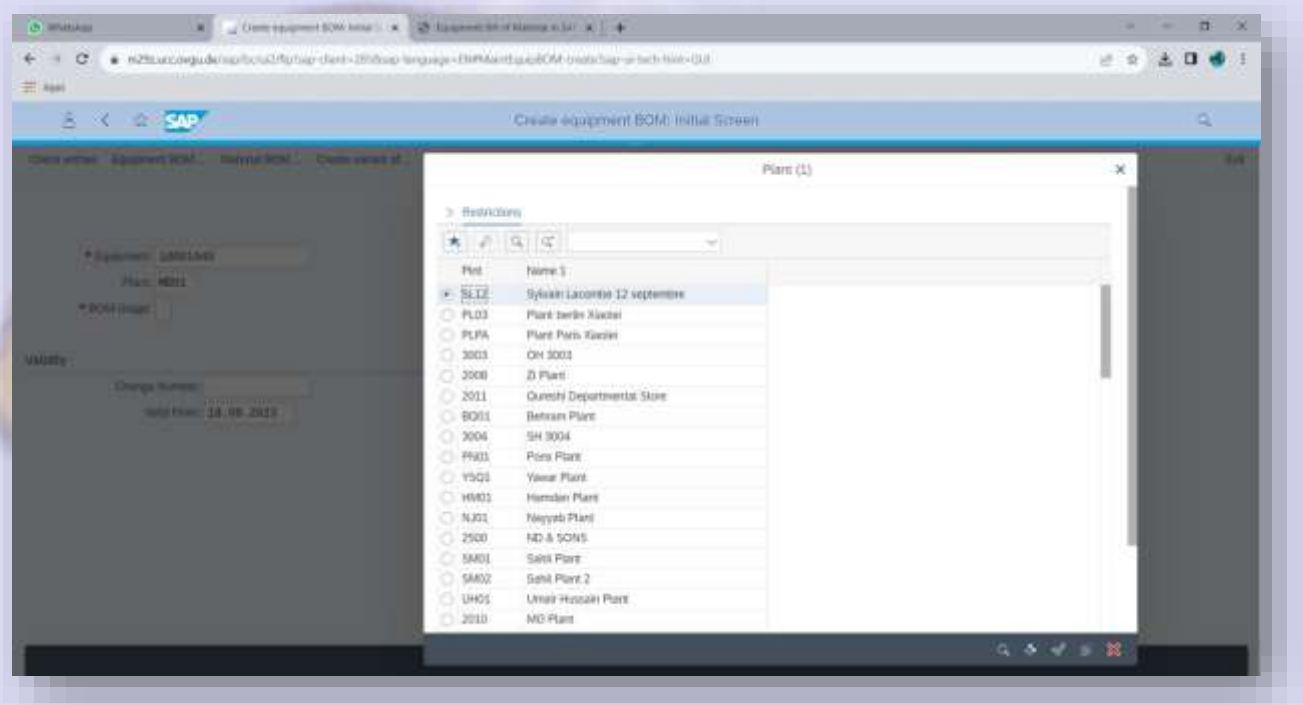
Search Term 1: MOHAMED PLANT

Plant	Search Term 2	Search Term 1	Plant Code	City
<input checked="" type="radio"/> MU00		MOHAMED PLANT	22200	Waldorf
<input type="radio"/> MH03		MAHEEN	33000	Wiesbaden
<input type="radio"/> MU00		00	33126	Mann
<input type="radio"/> MI11		011	33126	Mann
<input type="radio"/> MI11			22222	REGPA
<input type="radio"/> MU00	MU00	00	85740	Genting
<input type="radio"/> NA02				
<input type="radio"/> NA02				
<input type="radio"/> ND01		HAMBURG	22299	Hamburg
<input type="radio"/> NI03		NIMH	22200	Waldorf
<input type="radio"/> NI01		NIWAB	45000	Frankfurt
<input type="radio"/> ONAR		ONAR	23000	Waldorf
<input type="radio"/> PA00		GBI	75000	Paris
<input type="radio"/> PL03				
<input type="radio"/> PLPA				
<input type="radio"/> PI01		POCHS	54000	Frankfurt
<input type="radio"/> QU01		QUSA	84501	Waldorf



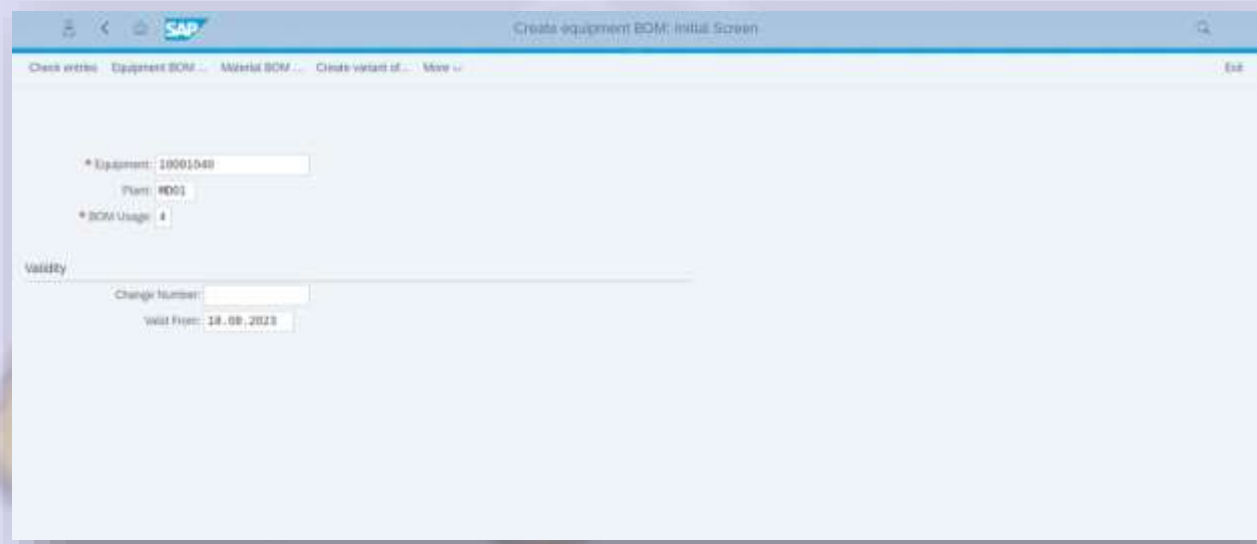
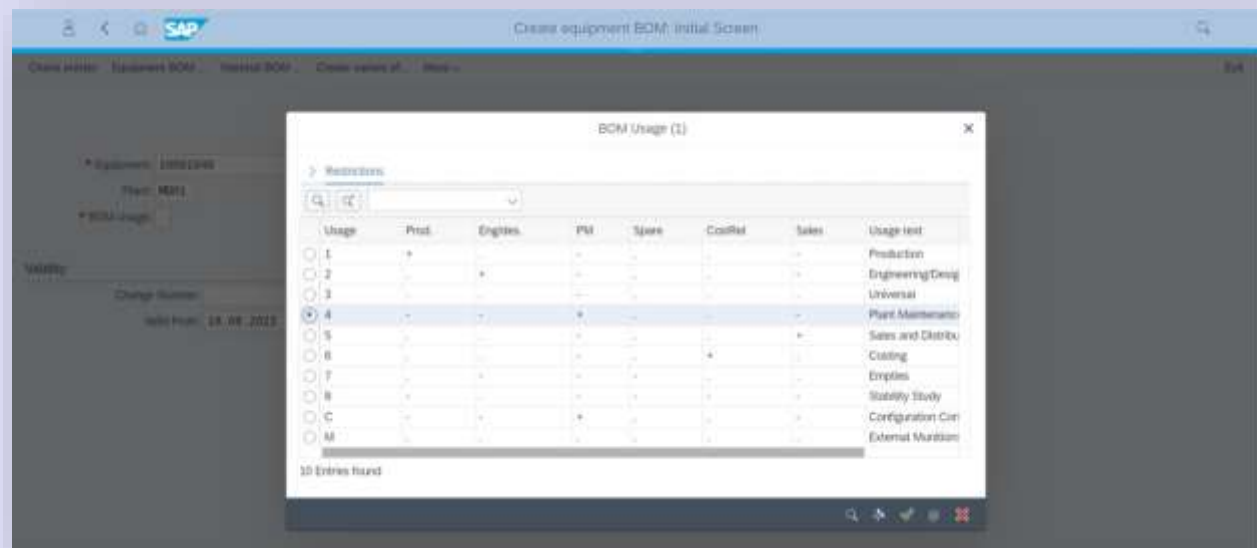


**Step 3:** Select the plant to which equipment belongs to or where equipment is physically installed.

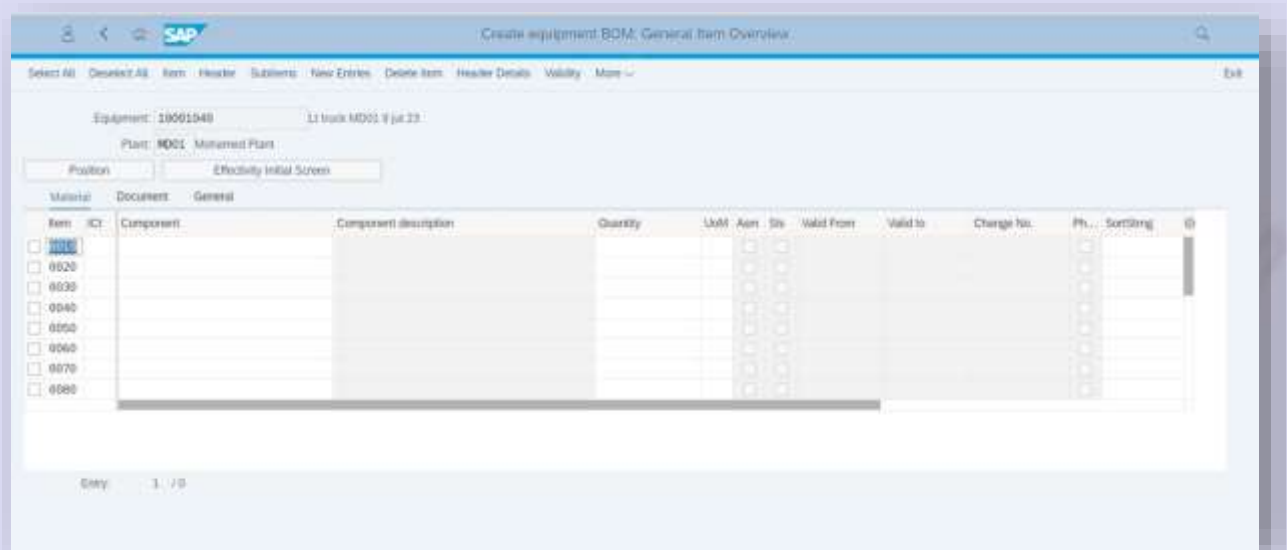


**Step 4:** Select the BOM usage 4 – Plant Maintenance. Here you will get total 8 entries because bill of material is used in other modules also. Like Production Planning, Material

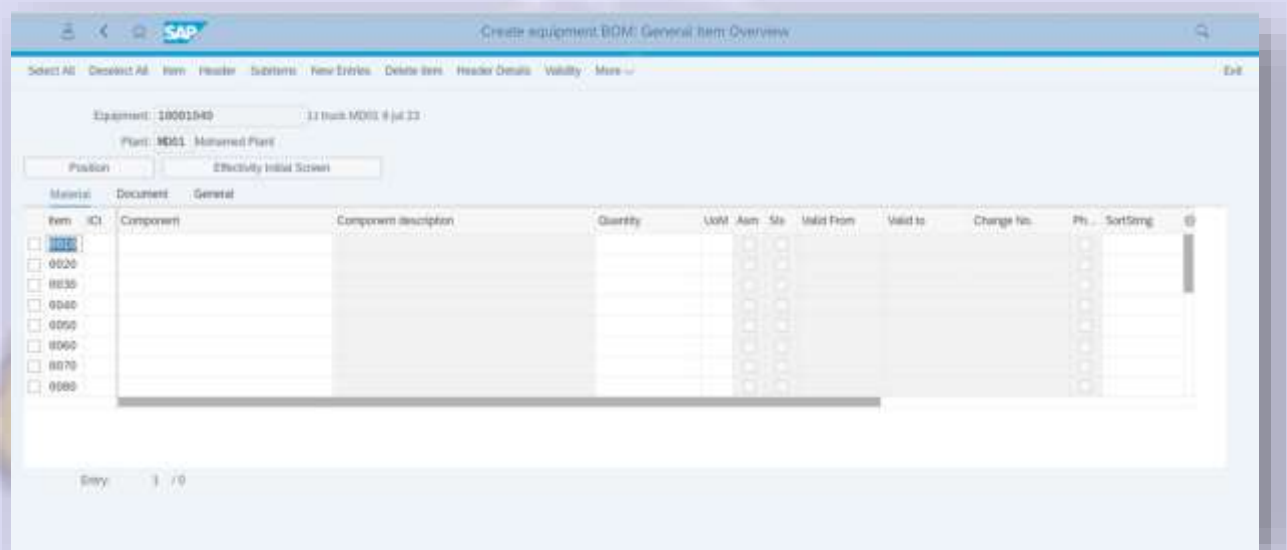
Management, Sales Distribution. You will be able to use this Equipment BOM in maintenance processing only if you select BOM usage as 4.



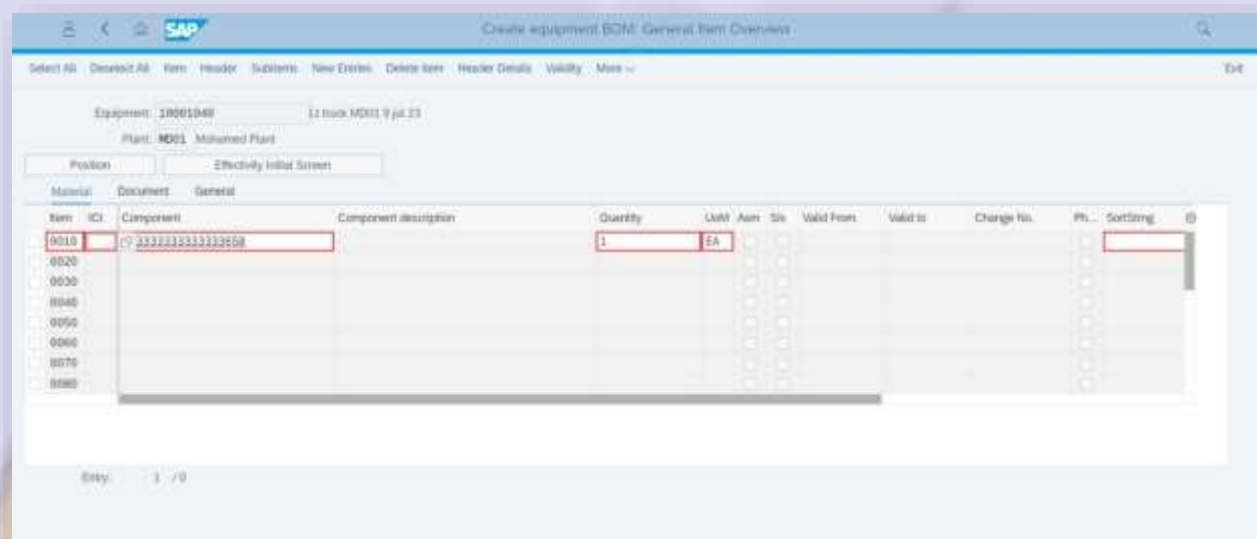
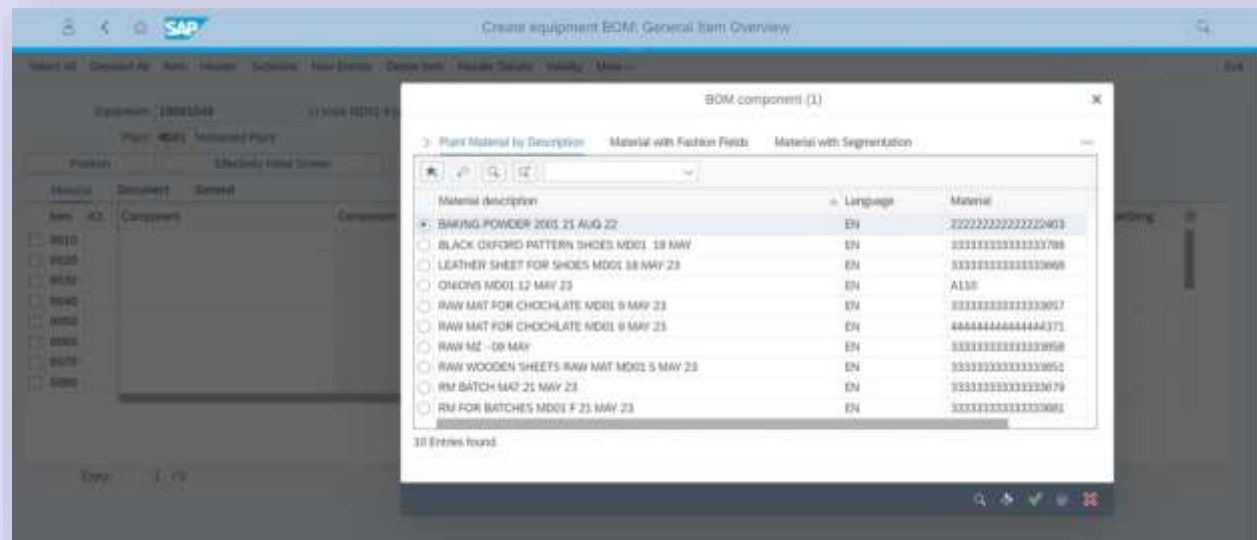
**Step 5:** Press enter to continue. Now the general item overview screen will appear.



**Step 6:** Here you can assign all the spare parts of the equipment with quantity.

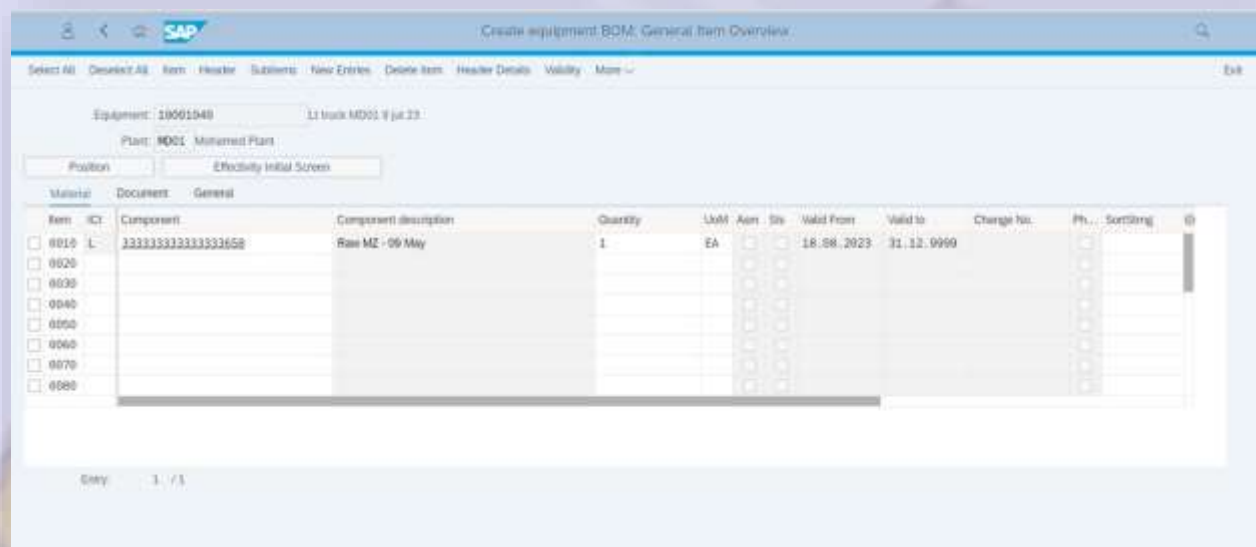
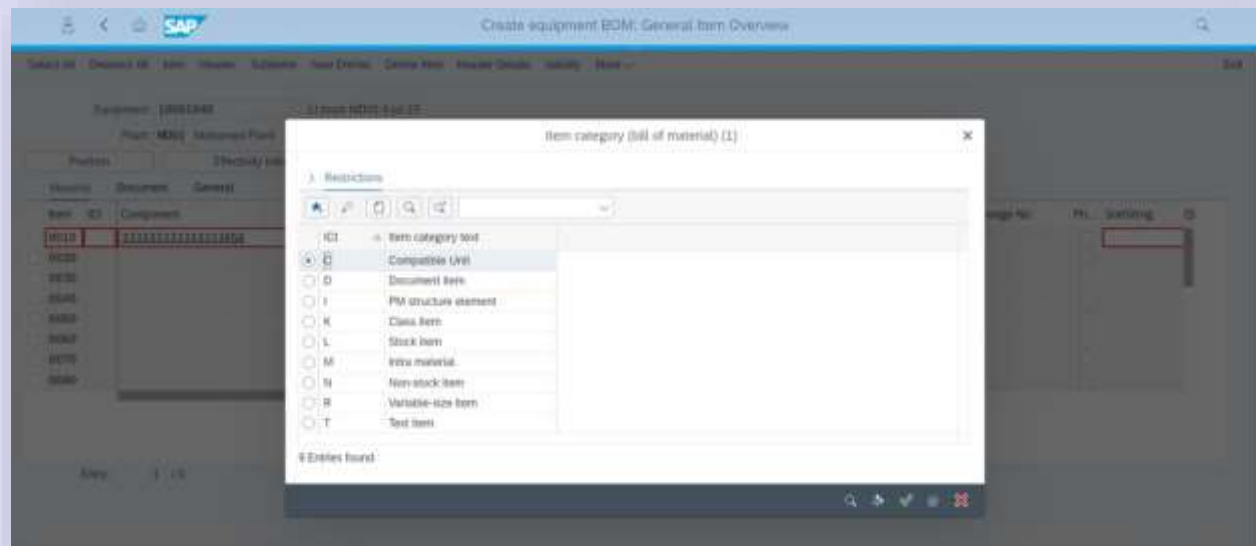


**Step 7:** In the material tab. Select the desired material and enter the quantity.

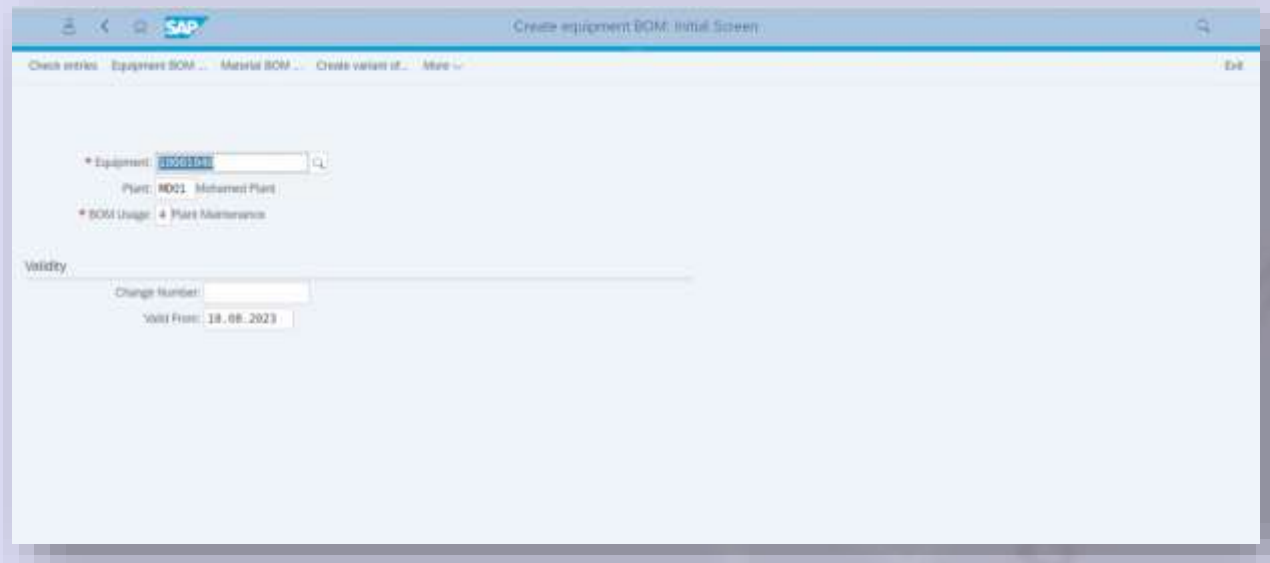


**Step 8:** Select the item category very carefully. There are two item categories are applicable here. L and N. L means Stock item, which in turn means that material is always available in warehouse for use. In the maintenance order a reservation will be created for this material. However, N means that material non-stock material, which means that a purchase requisition will be triggered from the maintenance order if this material required for maintenance.

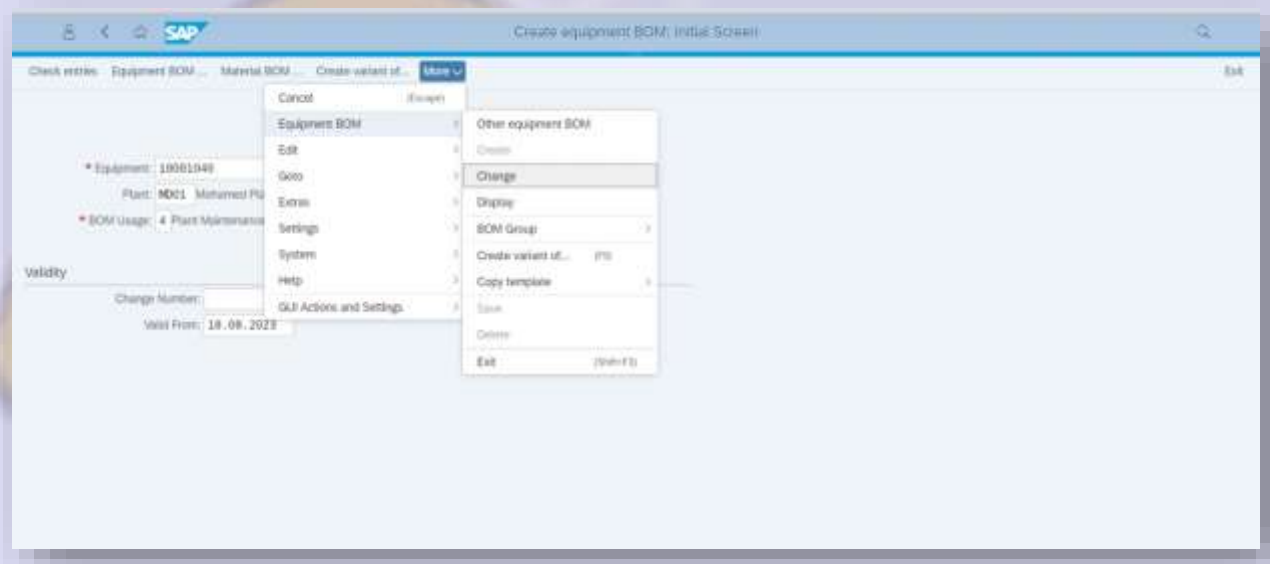




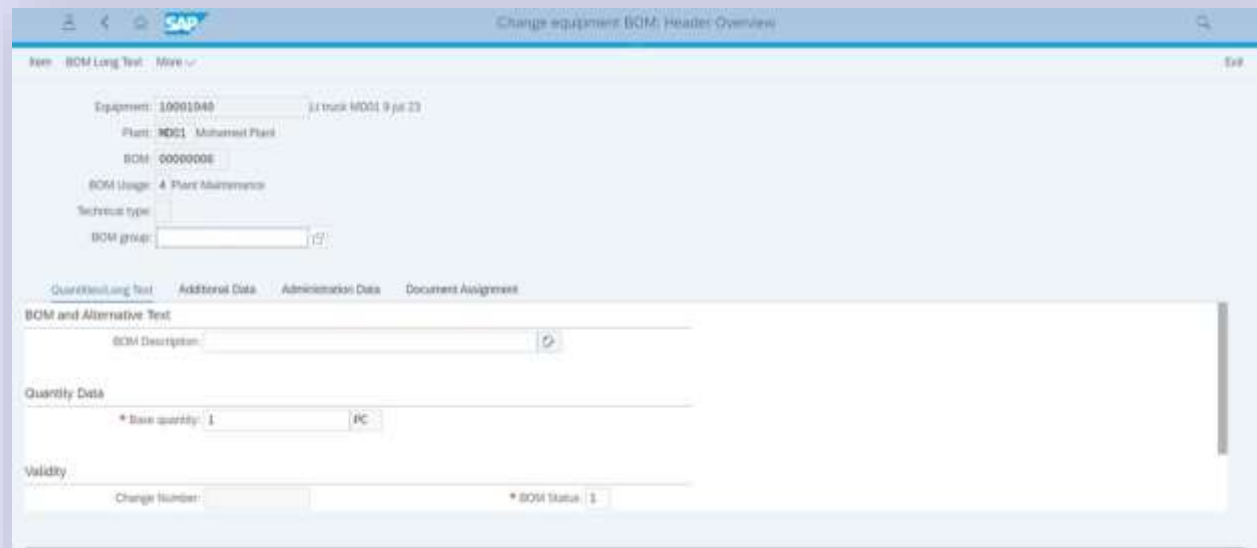
**Step 9:** Afterwards click on SAVE button. Once it is saved. It is ready for use in maintenance order.



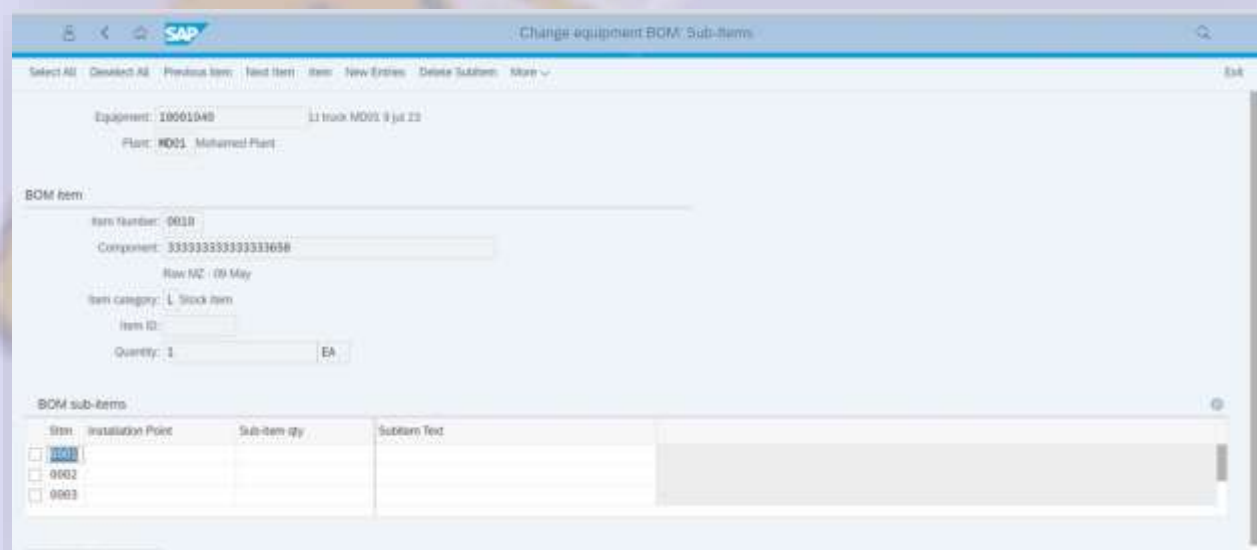
**Step 10:** Now IB02, change equipment BOM.



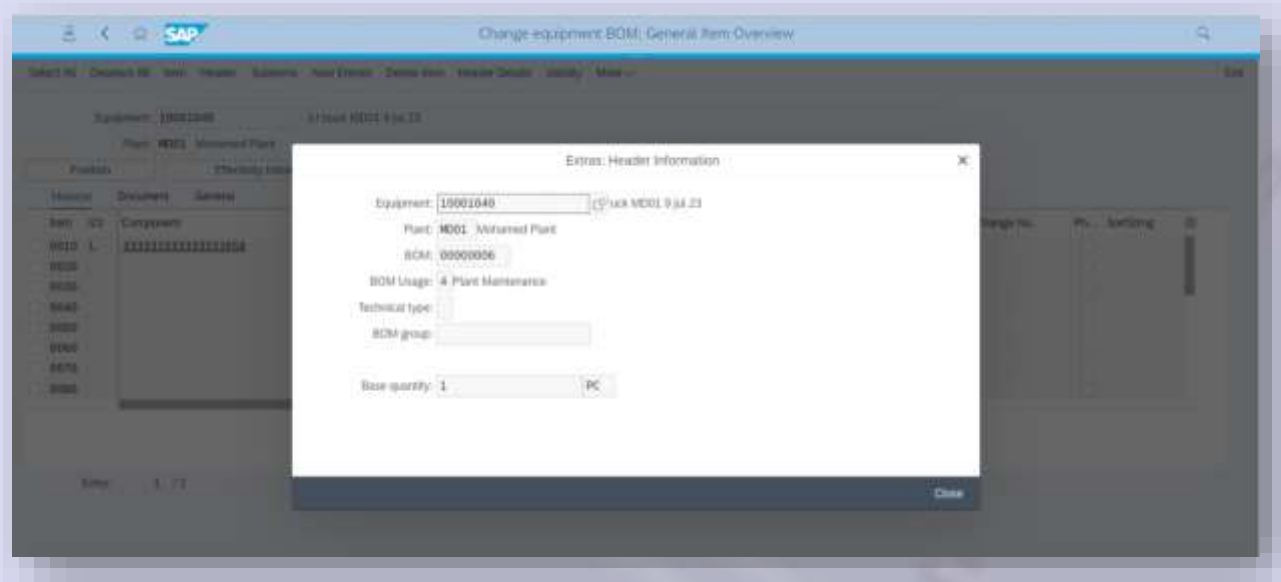




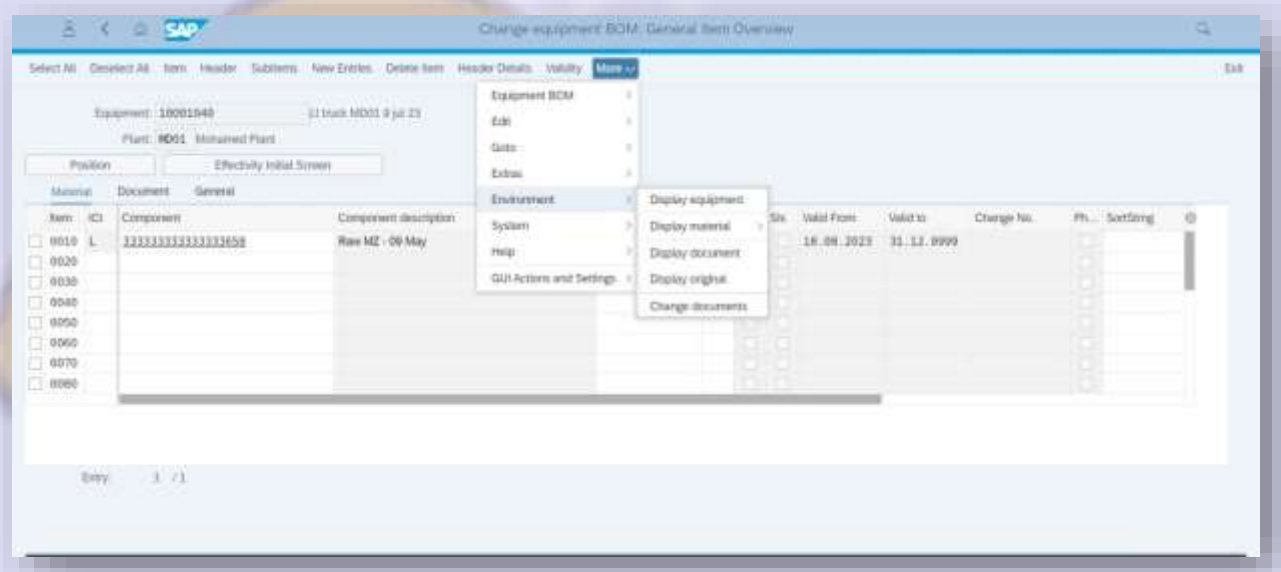
### Step 13: Check sub item overview

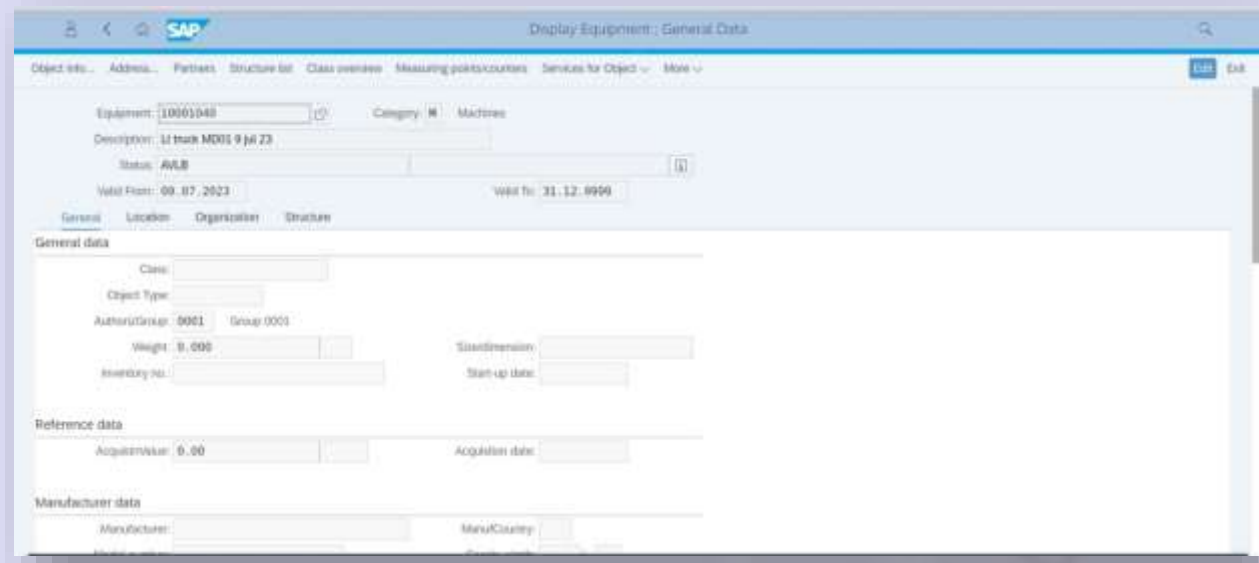


### Step 14: Check header details

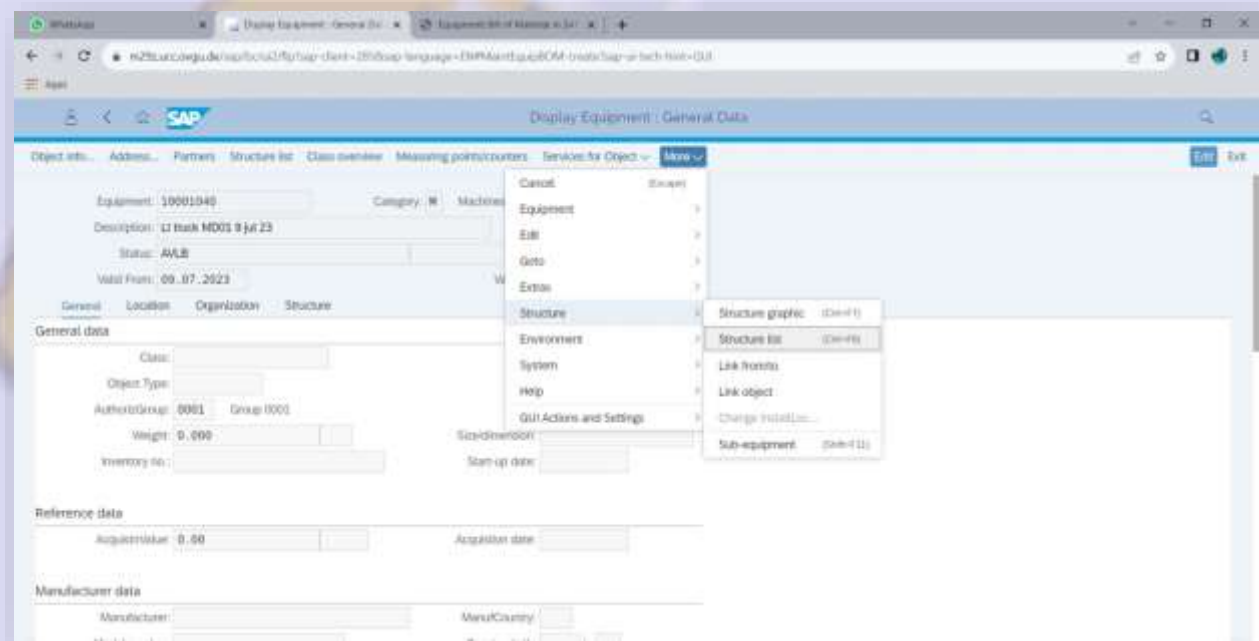


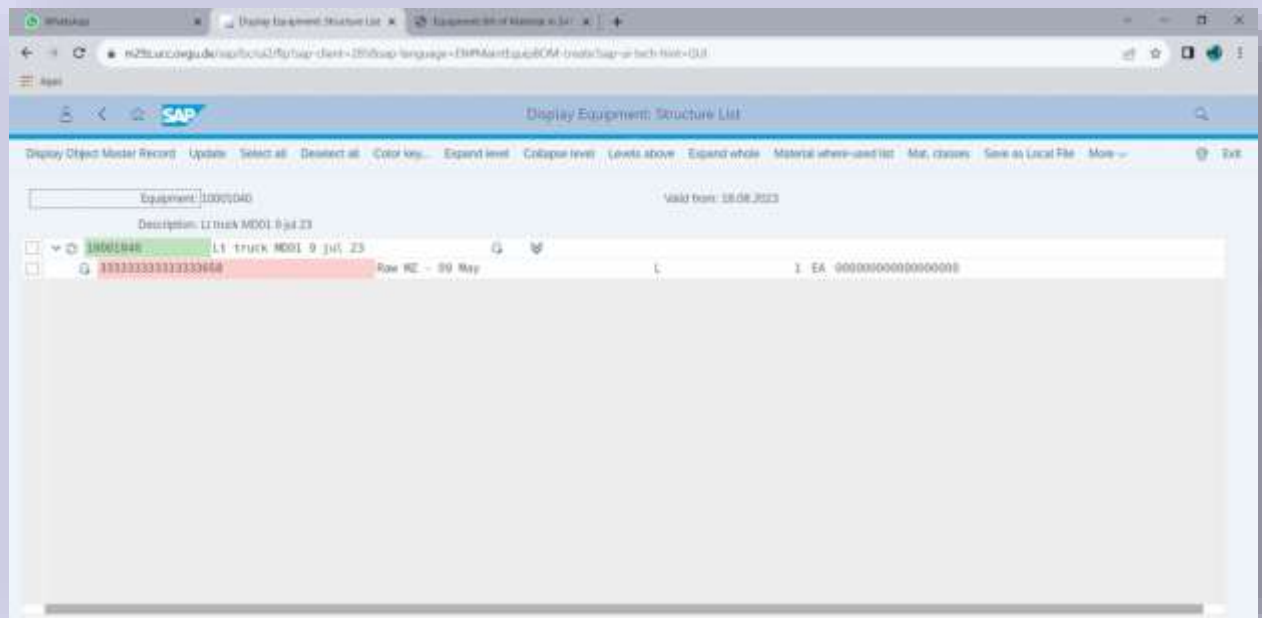
### Step 15: Display Equipment





**Step 16:** Go to structure list & view structure with BOM





The screenshot shows the SAP 'Display Equipment Structure List' interface. At the top, the browser address bar contains the URL: `s225xatc0wglu0sapfou02fyrhap-clm-2016ap-language-D1PMAntd4u0EM-trucklap-p-1ch-104-031`. The SAP header includes the title 'Display Equipment Structure List' and a search icon. Below the header, a menu bar offers options: 'Display Object Master Record', 'Update', 'Select all', 'Deselect all', 'Color key...', 'Expand level', 'Collapse level', 'Levels above', 'Expand whole', 'Material when used list', 'Mat. classes', 'Save as Local File', and 'More...'. The main content area shows 'Equipment: 10000040' and 'Valid from: 18.08.2023'. The description is 'LT truck M001 9 Jul 23'. A table below lists components:

Material	Description	Unit	Quantity	Material	Description	Unit	Quantity
18001848	L1 truck M001 9 Jul 23						
3333333333333333	Row NE - 99 May	L	1	EA	0000000000000000		



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