



Reservation of Inventory in SAP MM



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Reservation of Inventory in SAP MM

In SAP MM (Materials Management), reservation of inventory refers to the process of setting aside a specific quantity of materials for a particular purpose or use. This can be done to ensure that the materials are available for specific requirements such as production, maintenance, or project activities. Reservations are typically created when you know you will need a certain quantity of materials in the future, and you want to ensure their availability for that purpose.

The reservation process in SAP MM involves creating a formal request to hold a certain quantity of a material in stock for a specific purpose. Once a reservation is made, the reserved quantity is not available for other purposes until the reservation is consumed or canceled.

Here's an overview of the reservation process in SAP MM:

- **Creation of Reservation:** The user responsible for materials planning or procurement creates a reservation in SAP. This can be done using transaction code MB21 (or through other methods depending on the system setup). The reservation typically includes details such as the material number, quantity, plant location, requirement type (e.g., production, maintenance), and any account assignment information if necessary.
- **Stock Deduction:** When a reservation is created, the system deducts the reserved quantity from the available stock for that material in the respective storage location. This ensures that the reserved materials are not consumed for other purposes, preventing potential stockouts for the intended requirement.
- **Reservation Status:** A reservation in SAP can have different statuses, such as "Open," "Partially Delivered," "Fully Delivered," etc., depending on whether the reserved quantity has been used or not.
- **Reservation Consumption:** Once the reserved materials are needed for the specified purpose, they can be withdrawn from inventory. The withdrawal is typically done through goods issue postings (e.g., using transaction code MB1A) or through other processes based on the specific requirement type and business process.

- **Reservation Cancellation:** If the need for the reserved materials changes or is no longer required, the reservation can be canceled to release the reserved quantity back into available stock. This can be done using transaction code MB22.

Reservations play a crucial role in managing inventory and ensuring that critical materials are available for planned activities. They help in better materials planning, reducing stockouts, and streamlining procurement processes.

Reservation stock is the material in the plant or storage location against specific use for example production order, sales order. For this reservation is created which ensure material is available for specific use.

Reservations are system documents that show a requirement for a certain amount of good for production, cost centre and any other need.

Reservations are important in planning/MRP/ATP as the system reserves needed quantities before they are posted. You can create a reservation for the material for a number of reasons.

Reservation can be made for consumption for a cost centre (movement type 201), production order (movement type 261), stock transfer (311), sales order, project, network etc.

Step by step process of Reservation of Inventory

Step - 1

Just check the stock of material by using T-Code: - MMBE


Stock Overview: Basic List

Selection

Material: 100000000000040041 Quota Arrangement Test :- 10
 Material Type: YROH Std. Raw Material Test-01
 Unit of Measure: EA Base Unit of Measure: EA

Stock Overview

.....


Detailed Display

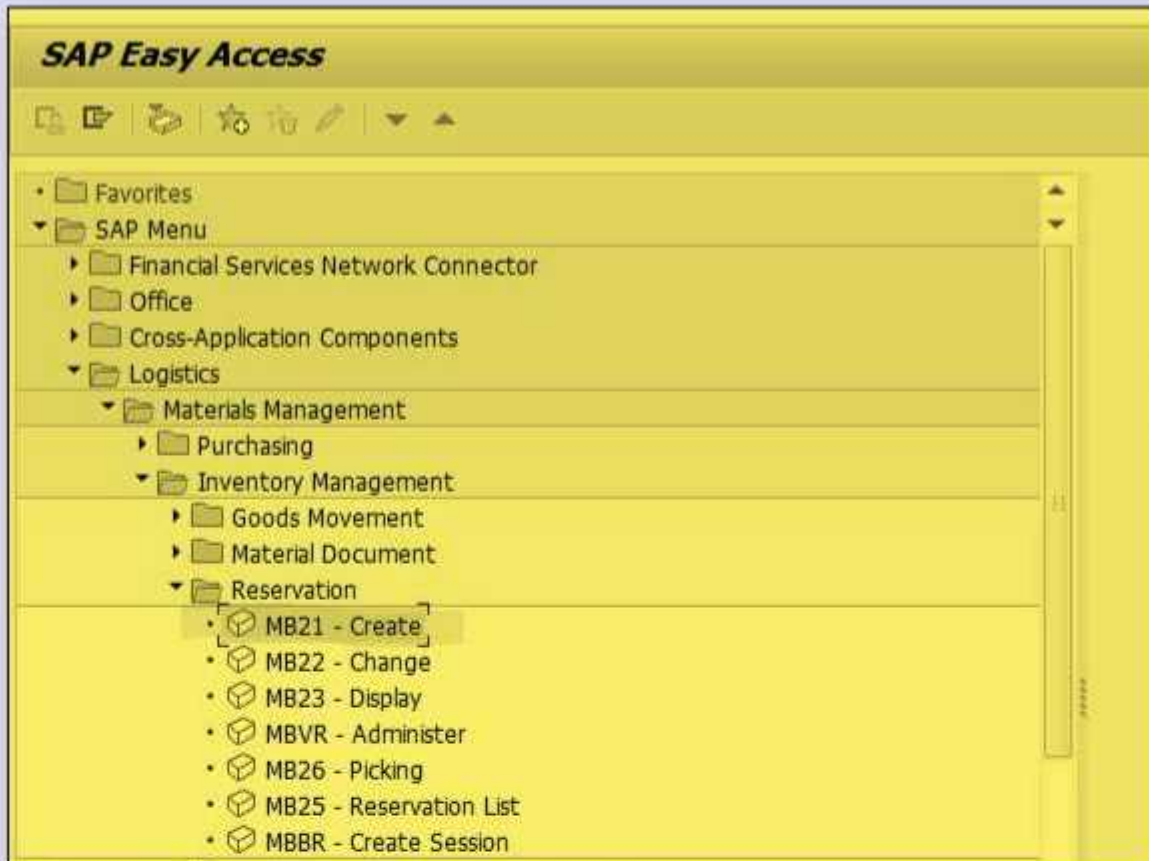
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rd
Full	10.000			
5300 Training Company	10.000			
CPMG Training Plant MM - 01	10.000			
ROH1 Raw Material	10.000			

Step: - 2

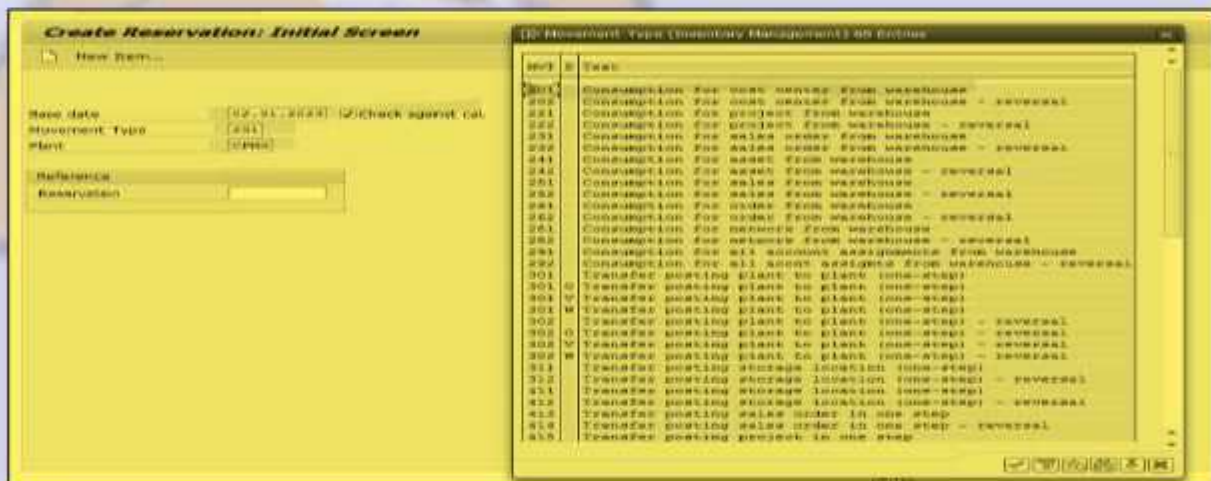
➔ Create a Reservation by using below path.

Path to Create Reservation: -

SAP Menu-> Logistics-> Materials Management-> Inventory Management-> Reservation-> **MB21 - Create**



➔ By double click on this below screen opens.



➔ Press enter below screen opens.

Create Reservation: New Items

 Delete Item(s)

Movement Type GI for cost center
 G/L Account Goods recipient
 Business Area
 Cost Center

Item	Material	Quantity in	UnE	PInt	SLoc	Batch	RU	RP	M
1	1000000000000040041	5	Ea	CPMG	roh1			0	<input checked="" type="checkbox"/>
2				CPMG				0	<input checked="" type="checkbox"/>
3				CPMG				0	<input checked="" type="checkbox"/>
4				CPMG				0	<input checked="" type="checkbox"/>

- ➔ Enter the Material, Quantity & Plant.
- ➔ Cost Centre & Save the document.
- ➔ Document 0000209979 posted
- ➔ Now again check the stock of material by using **MMBE**

Stock Overview: Basic List



Selection
 Material Quota Arrangement Test :- 10
 Material Type Std. Raw Material Test-01
 Unit of Measure Base Unit of Measure

Stock Overview

 Detailed Display

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	R
Full	10,000		5,000	
5300 Training Company	10,000		5,000	
CPMG Training Plant MM - 01	10,000		5,000	
ROH1 Raw Material	10,000		5,000	

- ➔ As per reservation of inventory we have the Reserved stock of above material.

→ Stock will be reserved from the unrestricted stock.

→ As per need we can **Change** the Reservation by using **T-Code: - MB22**

Change Reservation 0000209979 : Collective Processing

Details from Item

Movement Type: 201 GI for cost center
 Goods recipient:

Business Area:
 Cost Center: CC1001 CC 1001

Item	Material	Quantity in	UnE	Plnt	StLoc	Batch	RU	RP	M	Fla	D
1	1000000000000040041	5	EA	CPMG	ROH1		99	255	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

→ As per need we can **View** the Reservation by using **T-Code: - MB23**

Display Reservation 0000209979 : Overview

Details from Item

Movement Type: 201 GI for cost center
 Business Area:
 Cost Center: CC1001 CC 1001

Item	Reqmt Qty	BUn	Material	Plnt	StLoc	RU	Batch	Reqmt Date
	Qty Withdrawn		Material Description			RP	Mvt	Fla Del D/C
1	5	EA	1000000000000040041	CPMG	ROH1	99		02.01.2023
		EA	Quota Arrangement Test :- 10			255	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

→ As per need we can **Check the List Report** of Reservation by using **T-Code: - MB25**

Reservation List Inventory Management

Reservation Data

Material Q

Plant CPMS to

Requirement Date to

User name to

Goods recipient to

Account Assignment

W/o account assgt.

Cost-Center to

Order to

WBS Element to

Network to

Operation/Activity

➔ Enter Plant here & Execute. Below list of reservation opens.

Reservation List Inventory Management

Reservation Rem Abort

Reserv.No.	Item	RcI	Reqdt Date	MvT	D/C	Material	Reqdt Qty	Difference qty	Stk	ReqdtQty	ReqdtPrio.	SCo	Account assignment
209977	1		02.01.2023	201	E	9013	5	5	EA	99	255	E	CC1001
209978	1		02.01.2023	201	E	9098	100	100	EA	99	255	E	CC1002
209979	1		02.01.2023	201	E	100000000000040041	5	5	EA	99	255	E	CC1001

Step: - 3

- ➔ Issue the Reserved Goods by using T-Code: - MIGO
- ➔ Enter the T-Code in command bar. Select Goods Issue & Reservation as below.

Goods Issue Reservation - NEWM86

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R09 Reservation | 0000209979

General

Document Date: 02.01.2023 | Material Slip: []
 Posting Date: 02.01.2023 | Doc.Header Text: []
 3 Collective Slip | GR/GI Slip No.: []

➔ Enter the Reservation Document No & Press enter.

Goods Issue Reservation - NEWM86

Show Overview | Hold | Check | Post | Help

Document Date: 02.01.2023 | Material Slip: []
 Posting Date: 02.01.2023 | Doc.Header Text: []
 3 Collective Slip | GR/GI Slip No.: []

Line	SE	Mat. Short Text	OK	Qty in LHM	E	Mat	Cost Center	Co.	Batch	Valuation	M	D Stock Type	Pr
1		Quota Arrangement Text - 00	Q	3	EA	Raw Material	002003		3210		001	Unrestricted	Tr

Material | Quantity | Where | Reservation | Account Assignment

Reservation: 009979 | Created by: NEWM86
 Request Date: 02.01.2023
 Request Qty: 3 | Withdrawal Qty: 0 | Qty Forecast: 0
 First Issue

☐

➔ System will fetch all the detail from document as above. Check & Post the Document.

→ Material document 10010023 posted

Stock Overview: Basic List

Selection

Material: 100000000000040041 Quota Arrangement: Test :- 10
 Material Type: YROH Std. Raw Material Test-01
 Unit of Measure: EA Base Unit of Measure: EA

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock | Unrestricted use | Qual. inspection | Reserved | Rcpt reservation

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation
Full	5.000			
5300 Training Company	5.000			
CPMG Training Plant MM - 01	5.000			
ROH1 Raw Material	5.000			

→ As we have issued material form reserved stock we have zero reserved stock.



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