



Automated Non-Ordered Material PO Generation during Goods Receipt



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Automated Non-Ordered Material PO Generation during Goods Receipt:

Typically, our operational procedure adheres to the Procure to Pay cycle for material procurement, encompassing various types such as Raw Materials, Spare Parts, and Consumables. Nevertheless, specific situations may arise wherein the need for certain materials becomes urgent, leaving no leeway for prior Purchase Order (PO) generation before Goods Receipt. These circumstances could be driven by critical operational requirements.

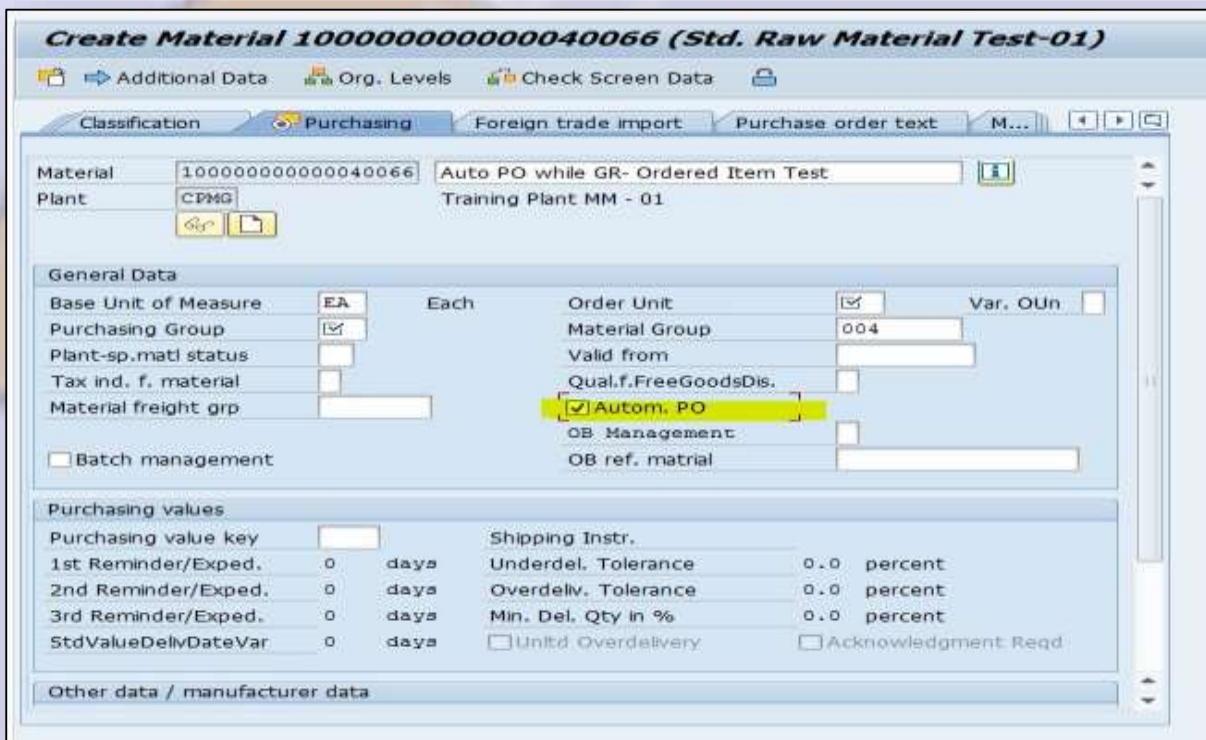
To address these exigencies, SAP incorporates predefined configurations designed for managing such urgent scenarios. In these instances, when we undertake the Goods Receipt process for pre-ordered materials associated with an existing PO, an additional provision exists for the inclusion of non-ordered materials during the Goods Receipt.

Outlined below is the procedural breakdown of the Automatic Purchase Order (Auto PO) mechanism applicable during Goods Receipt for Non-Ordered Materials:

Step 1:

Initiate the process by creating a Standard Material utilizing the designated Transaction Code: MM01.

1]Ordering Material in Purchase Order



The screenshot displays the SAP MM01 'Create Material' transaction in the 'Purchasing' view. The material number is 100000000000040066, and the plant is CPMG. The 'Autom. PO' checkbox is checked and highlighted in yellow. Other fields include 'Base Unit of Measure' (EA), 'Order Unit' (checked), 'Material Group' (004), and 'Valid from'.

General Data	
Base Unit of Measure	EA Each
Purchasing Group	<input checked="" type="checkbox"/> Order Unit
Plant-sp.matl status	Material Group 004
Tax ind. f. material	Valid from
Material freight grp	Qual.f.FreeGoodsDis.
<input type="checkbox"/> Batch management	<input checked="" type="checkbox"/> Autom. PO
	OB Management
	OB ref. matrial

Purchasing values	
Purchasing value key	Shipping Instr.
1st Reminder/Exped. 0 days	Underdel. Tolerance 0.0 percent
2nd Reminder/Exped. 0 days	Overdelv. Tolerance 0.0 percent
3rd Reminder/Exped. 0 days	Min. Del. Qty in % 0.0 percent
StdValueDelivDateVar 0 days	<input type="checkbox"/> Unltd Overdelivery
	<input type="checkbox"/> Acknowledgment Reqd.

➔ While creating Material master only one Pre-requisite is Tick mark Autom. PO in Purchasing View

➔ Material 10000000000040066 created.

2] Non-Ordering Material in Purchase Order

Create Material 10000000000040067 (Std. Raw Material Test-01)

Additional Data | Org. Levels | Check Screen Data

Classification | **Purchasing** | Foreign trade import | Purchase order text | M...

Material: 10000000000040067 **Auto PO while GR- Non Ordered Item in PO**

Plant: CPMG Training Plant MM - 01

General Data

Base Unit of Measure	EA	Each	Order Unit	KG	Var. OUn
Purchasing Group	CPO		Material Group	004	
Plant-sp.matl status			Valid from		
Tax ind. f. material			Qual.f.FreeGoodsDis.		
Material freight grp			✓ Autom. PO		
<input type="checkbox"/> Batch management			OB Management		
			OB ref. matrial		

Purchasing values

Purchasing value key		Shipping Instr.	
1st Reminder/Exped.	0 days	Underdel. Tolerance	0.0 percent
2nd Reminder/Exped.	0 days	Overdeliv. Tolerance	0.0 percent
3rd Reminder/Exped.	0 days	Min. Del. Qty in %	0.0 percent
StdValueDelivDateVar	0 days	<input type="checkbox"/> Unltd Overdelivery	<input type="checkbox"/> Acknowledgment Reqd

Other data / manufacturer data

➔ While creating Material master only one **Pre-requisite** is Tick mark **Autom. PO** in **Purchasing View**

➔ Material 10000000000040067 created

Step 2:

The subsequent prerequisite entails activating the "Automatic Purchase Order" feature within the Vendor Master. This is achieved by selecting the designated checkbox as

illustrated below:

Display Vendor: Purchasing data

Vendor 1st Vendor for Vendor Master - 01

Purchasing Org. Praticce_MM_MS

Conditions

Order currency Indian Rupee

Terms of paymnt

Incoterms

Minimum order value

Schema Group, Vendor rd procedure vendor

Pricing Date Control No Control

Order optim.rest.

Sales data

Salesperson

Telephone

Acc. with vendor

Control data

<input checked="" type="checkbox"/> GR-Based Inv. Verif.	ABC indicator <input type="checkbox"/>	<input type="checkbox"/> RMA Required
<input checked="" type="checkbox"/> AutoEvalGRSetmt Del.	ModeOfTrnsprt-Border <input type="checkbox"/>	
<input checked="" type="checkbox"/> AutoEvalGRSetmt Ret.	Office of entry <input type="text"/>	
<input type="checkbox"/> Acknowledgment Reqd	Sort criterion <input type="text"/>	By VSR sequence number
<input checked="" type="checkbox"/> Automatic purchase order	PROACT control prof. <input type="text"/>	
<input type="checkbox"/> Subsequent settlement	<input type="checkbox"/> Revaluation allowed	
<input type="checkbox"/> Subseq. sett. index	<input type="checkbox"/> Grant discount in kind	

Step: -3

- ➔ Create Standard PO by using T-Code: -ME21N for ordered material i.e 10000000000040066

Create Purchase Order

Document Overview On | Hold | Park | Print Preview | Messages | Personal Setting | Save As Template | Load from Template

Vendor: 400002912 Test Vendor for Ve... Doc. date: 23.12.2022

Purch. Org.: CP00 Practice_MM_MS
 Purch. Group: CP0 CPNG Pur. Grp
 Company Code: 5300 Training Company

S. Itm	A. I	Material	Short Text	PO Quantity	O. C Deliv. Date	List Price	Curr. Per	O. Mat Group	Pl
10		105000000005040066	Auto PO while GR-Ordered Item Test	10KG	26.12.2022	50.02NR	1	KG 004	CP

Material group: 004 BUIB-Relevant Revision Level:

Vendor mat. no. EAN/UPC

- ➔ Check & Save PO
- ➔ Std.Pur.Doc. Test-1 created under the number 4500027754

Step: -4

- ➔ Do the Goods Receipt by using T-Code: - MIGO
- ➔ After entering PO no, it will fetch the data from of ordered material only for Goods Receipt.

Goods Receipt Purchase Order - NEWMM86

Show Overview | Hold | Check | Post | Help

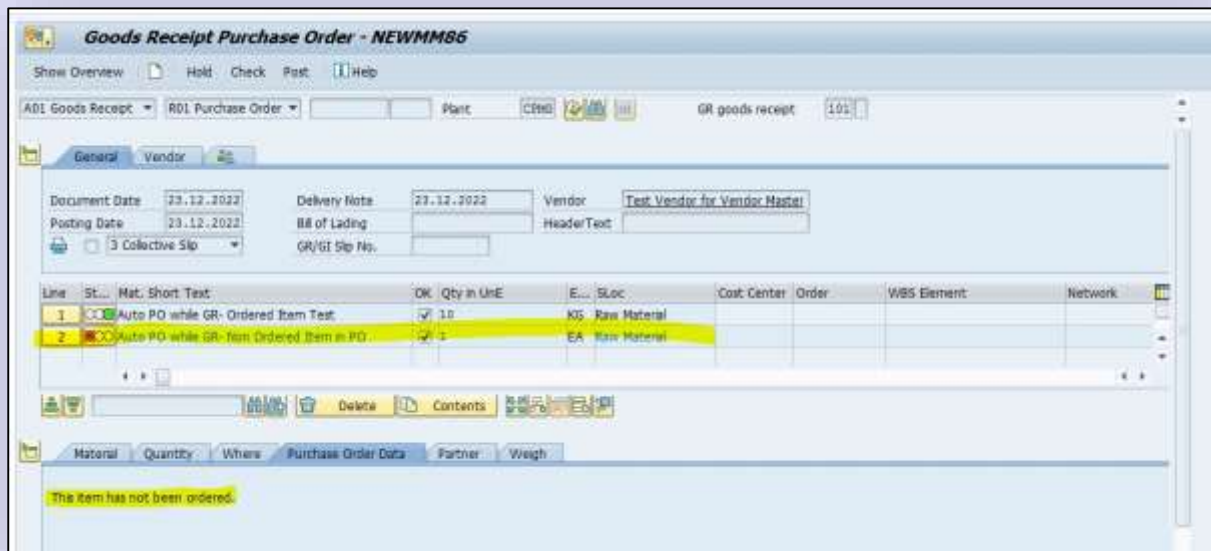
All: Goods Receipt: R01 Purchase Order: Past OR goods receipt: 101

Document Date: 23.12.2022 Delivery Note: 23.12.2022 Vendor: Test Vendor for Vendor Mater...
 Posting Date: 23.12.2022 Bill of Lading: HeaderText:
 Collective Slip SR/SL Slip No.

Line	St	Mat	Short Text	OK: Qty in line	E. Slac	Batch	Valuation	Stk Type	Plc	S. Cate
1		105000000005040066	Auto PO while GR-Ordered Item Test	10	KG Raw Material			L01 - Unrestricted	Training Pl.	

Purchase Order: 4500027754 | Item Category: Standard

For add Non-Ordered material in Goods Receipt click on **Non-Ordered Item** under **Item Overview** as shown above.



→ When we add **Non-Ordered material** in **Goods receipt** system is **not allowing** to do GR & Showing error like **This item has been not ordered**.

Step: -5

→ For this error we do some configuration in system as below

First Configuration

1] Activating the Auto PO for 101 Movement

Path to Activate Auto PO for Movement: -

SPRO->IMG-> Materials Management-> Inventory Management and Physical Inventory-> Goods Receipt-> **Create Purchase Order Automatically**

Change View "Automatic creation of purchase orders at goods receipt":

M...	Movement Type Text	Automatic PO
101	GR goods receipt	<input checked="" type="checkbox"/>
102	Reversal of GR	<input type="checkbox"/>
103	GR into blocked stck	<input type="checkbox"/>
104	Rev. GR to blocked	<input type="checkbox"/>
105	GR from blocked stck	<input type="checkbox"/>

Just Tick the Automatic PO for 101 Movement & Save.

Second Configuration

2] Assign Standard Purchasing Organization to Plant

Path to Assign Standard Purchasing Organization to Plant: -

SPRO-> IMG-> Enterprise Structure-> Assignment-> Materials Management-> Assign standard purchasing organization to plant

Change View "Default Purchasing Organization": Overview

Plnt	POrg	Plant description
CPMG	CP00	Training Plant MM - 01
CPP1	1000	manu travels
CPR	1000	MALLIK ENGINEERING PVT LTD



?

Just check & Assign if not. Save

Step: -6

➔ Check the stock of Non-Ordered Material in system by using TCode: -MMBE






Stock Overview: Basic List

Selection

Material Auto PO while GR- Non Ordered Item in PO
 Material Type YROH Std. Raw Material Test-01
 Unit of Measure Base Unit of Measure EA

Stock Overview

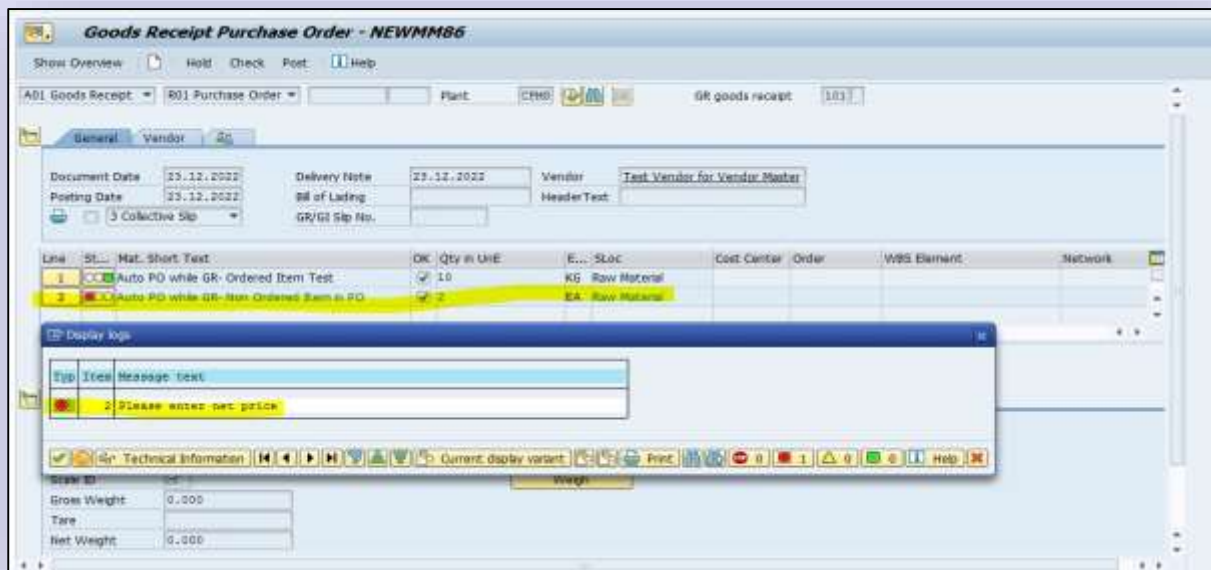





 Detailed Display

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation
<ul style="list-style-type: none"> Full <ul style="list-style-type: none"> 5300 Training Company 				

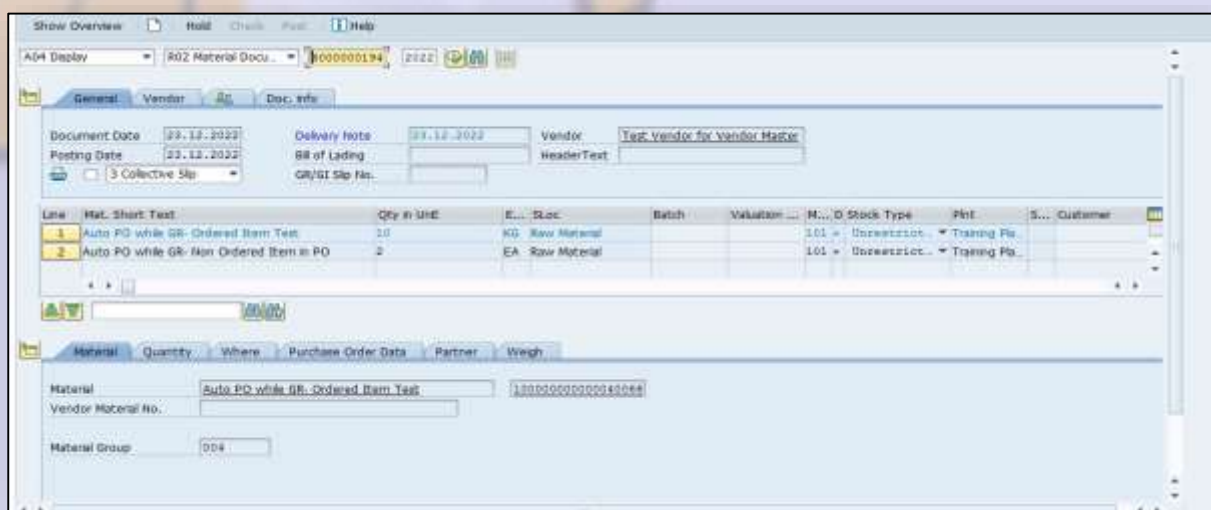
We have no stock as well as no any PO for this material.



- ➔ Do the Goods Receipt by using T-Code: -MIGO
- ➔ Add the Non-Ordered Material as above shown while doing Goods Receipt.



- ➔ After entering all the details of Non-Ordered Material. System gives an error as above to enter Price.
- ➔ As we are procuring this material **first time** we need to Create PIR.
- ➔ For this error we need to **Create Purchase Info record** of Non-Ordered Material.
- ➔ Purchasing info record 6126 CP00 CPMG created
- ➔ After Creating PIR system will allow to post the Material Document.



➔ Now check the Stock of Non-Ordered Item by using T-Code: -MMBE

Stock Overview: Basic List

Selection

Material: 100000000000040067 Auto PO while GR- Non Ordered Item in PO

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

Full	2.000	
5300 Training Company	2.000	
CPMG Training Plant MM - 01	2.000	
ROH1 Raw Material	2.000	

➔ Now it's showing stock of **Non-Ordered Material** as per **Goods Receipt**.



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