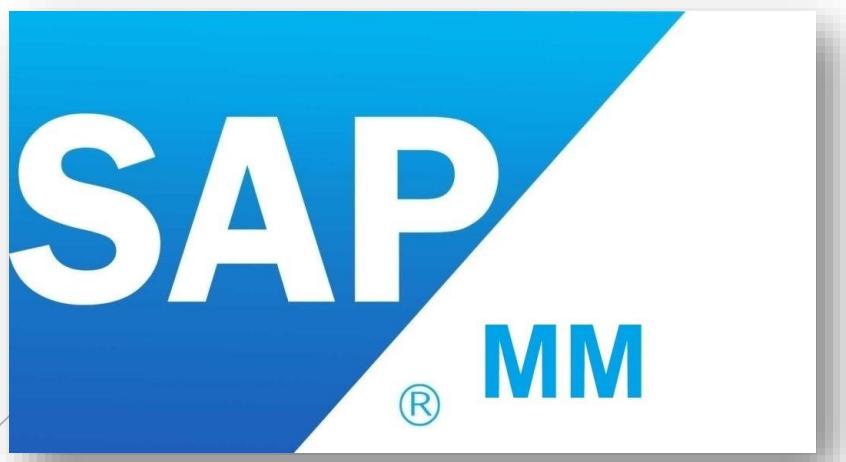


MRP-Material Requirement Planning



Ahmed Shafay
ITI-ERP-Track intake 44



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MRP

Objectives of MRP

Inventory Optimization: MRP aims to keep inventory levels as low as possible while ensuring that materials are available when needed, thus reducing carrying costs.

Production Efficiency: By providing a detailed schedule of when materials are needed, MRP helps plan production runs efficiently, minimizing downtime and maximizing resource utilization.

Customer Satisfaction: Ensuring that products are available for delivery per customer demand helps improve customer satisfaction and service levels.

How MRP Works in SAP MM

Demand Calculation: MRP calculates the demand for materials based on sales orders, production orders, and other requirements.

Procurement and Production Schedules: Based on the calculated demand, MRP generates procurement proposals (like purchase orders and stock transport orders) and production schedules to meet the demand.

Inventory Monitoring: MRP continuously monitors inventory levels, planned production, and actual consumption to adjust procurement and production plans as needed.

Business Benefits

Reduced Stockouts and Overstock: MRP helps avoid stockouts and excess inventory by accurately forecasting demand and scheduling procurement.

Cost Savings: Efficient inventory management and production planning lead to significant cost savings by reducing excess inventory, minimizing storage costs, and optimizing production operations.

Agility: MRP systems provide the agility to respond quickly to market changes, adjust production plans, and manage supply chain disruptions effectively.



Lot size types:

1. Fixed Lot Size

Definition: Orders are placed, or production is scheduled in a pre-defined, constant quantity, regardless of the actual demand.

Advantages: Simplifies planning and ordering, allows for bulk purchasing or production efficiencies, and can lead to lower per-unit costs due to economies of scale.

Disadvantages: It can lead to overstock if the fixed lot size is significantly higher than demand or understock if it's lower than demand. Requires careful setting and regular review of the fixed lot size to align with demand patterns.

2. Fill to Max

Definition: The system orders or produces up to a maximum level specified, filling up the space or budget to the maximum limit based on current inventory levels.

Advantages: It ensures optimal use of storage space or budget, reduces the risk of stockouts by maintaining inventory at a maximum level, and is adaptable to varying demand up to a certain limit.

Disadvantages: This can result in unnecessary inventory accumulation if the max level is set too high or frequent replenishments if set too low, leading to increased handling and ordering costs.

3. Exact Lot

Definition: Production or procurement matches the demand quantity without surplus or deficit.

Advantages: It minimizes inventory holding costs, as there is little to no excess stock, and ensures a lean supply chain.

Disadvantages: This may result in higher production or procurement costs due to a lack of economies of scale, increased ordering frequency, and potential vulnerability to supply chain disruptions or sudden spikes in demand.



Key Differences:

Inventory Management: Fixed lot size and Fill-to-max aim to optimize inventory levels through predefined quantities or limits, potentially leading to surplus stock. Exact Lot focuses on meeting demand precisely, minimizing excess inventory.

Cost Efficiency: Fixed lot size can reduce costs through economies of scale but may lead to overstocking. Fill to Max optimizes usage of space or budget but might incur higher handling costs. Exact Lot minimizes holding costs but could increase ordering and production costs.

Flexibility and Risk: Fixed lot size offers less flexibility in adjusting to demand changes, Fill to Max provides a balanced approach by filling inventory to a predefined max level, and Exact Lot is highly flexible but increases risk in case of demand forecasting errors or supply issues.

➤ MRP can be depending on

- Time Phase-based (in specific month/season)
- Reorder point-based (Stock is reordered at a Specific limit)
- Forecast-based (Depending on the history)

-
- Implement End-to-end Scenario for MRP Procedure. Use a predefined PR type for MRP output.
 - Starting with minimum configuration to be used in Reorder-point MRP with a specific PR-Doc.-Type.

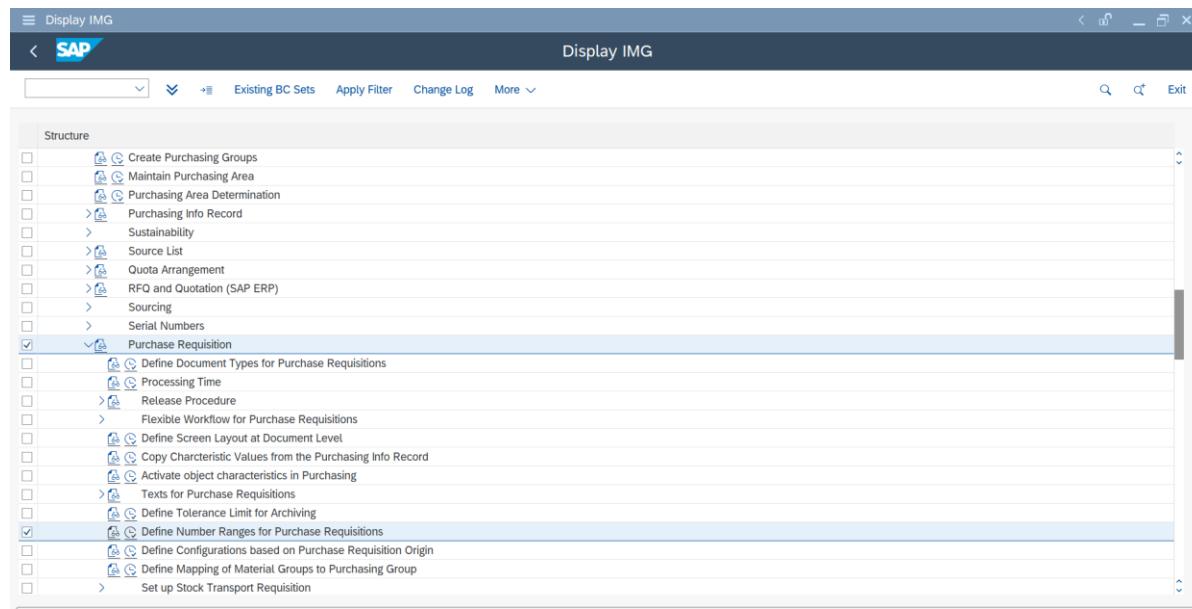
MRP >> PR >> manual/Auto. PO

PR document type Creation for MRP:

Step 1: Define the Number range for a new PR document type.

Navigation:

Materials Management->Purchasing->Purchase Requisition->Define Number Ranges for Purchase Requisitions.

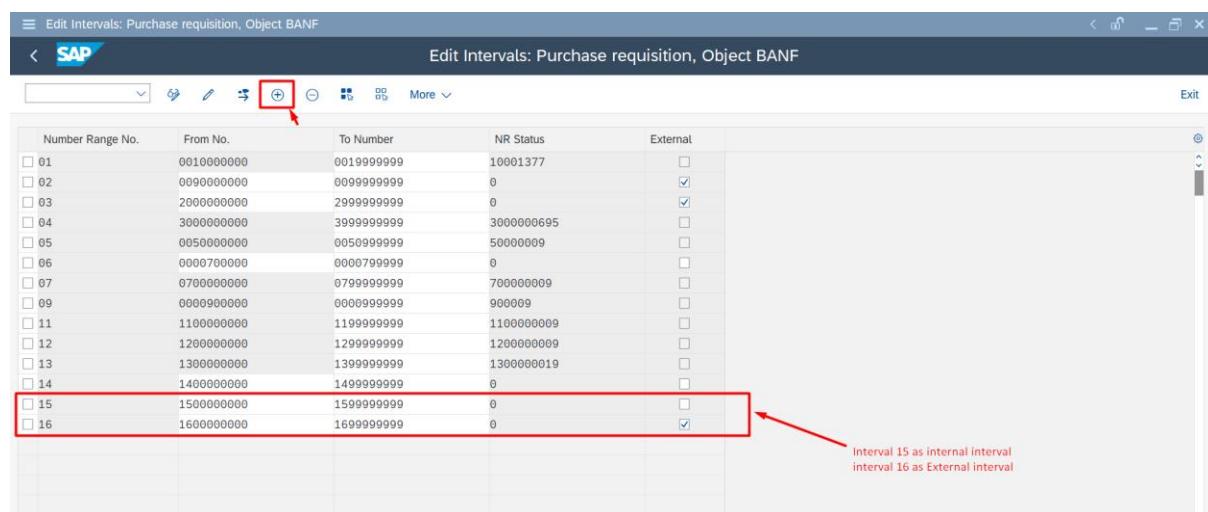


The screenshot shows the SAP Display IMG interface. The left sidebar displays a tree structure of purchasing-related functions. Under 'Purchase Requisition', the 'Define Number Ranges for Purchase Requisitions' option is selected and highlighted with a blue background. The main area of the screen is currently empty, indicating no data is displayed for this specific step.



The screenshot shows the SAP Edit Intervals interface for purchase requisition object BANF. The top bar says 'Edit Intervals: Purchase requisition, Object BANF'. Below it, there are tabs for 'Intervals' (which is selected and highlighted with a red border), 'NR Status', and 'More'. The main area shows a table with columns: Number Range No., From No., To Number, NR Status, and External. The 'External' column contains checkboxes. A red box highlights the '+' button in the toolbar above the table, and another red arrow points to the bottom right corner of the table, where two rows (Interval 15 and Interval 16) are highlighted with a red border.

Create 2 number intervals, one as an internal interval and the other as an External interval.



The screenshot shows the SAP Edit Intervals interface for purchase requisition object BANF. The top bar says 'Edit Intervals: Purchase requisition, Object BANF'. Below it, there are tabs for 'Intervals' (selected), 'NR Status', and 'More'. The main area shows a table with columns: Number Range No., From No., To Number, NR Status, and External. The 'External' column contains checkboxes. A red box highlights the '+' button in the toolbar above the table, and another red arrow points to the bottom right corner of the table, where two rows (Interval 15 and Interval 16) are highlighted with a red border. A red callout box with the text 'Interval 15 as Internal Interval' and 'Interval 16 as External Interval' is positioned near the bottom right of the table.

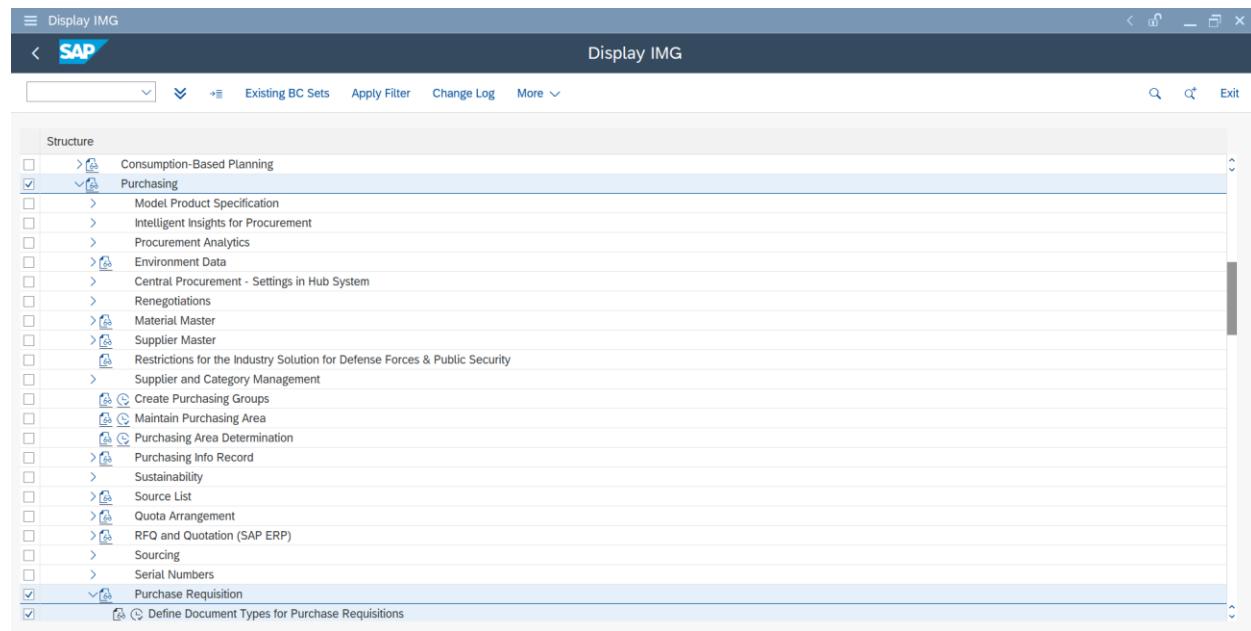
Number Range No.	From No.	To Number	NR Status	External
01	0010000000	0019999999	10001377	<input type="checkbox"/>
02	0090000000	0099999999	0	<input checked="" type="checkbox"/>
03	2000000000	2999999999	0	<input checked="" type="checkbox"/>
04	3000000000	3999999999	3000000695	<input type="checkbox"/>
05	0050000000	0050999999	50000009	<input type="checkbox"/>
06	0000700000	0000799999	0	<input type="checkbox"/>
07	0700000000	0799999999	700000009	<input type="checkbox"/>
09	0000900000	0000999999	900009	<input type="checkbox"/>
11	1100000000	1199999999	1100000009	<input type="checkbox"/>
12	1200000000	1299999999	1200000009	<input type="checkbox"/>
13	1300000000	1399999999	1300000019	<input type="checkbox"/>
14	1400000000	1499999999	0	<input type="checkbox"/>
15	1500000000	1599999999	0	<input type="checkbox"/>
16	1600000000	1699999999	0	<input checked="" type="checkbox"/>

Just check the External Check box to activate the external interval.

The Save.

Step 2: Define the New PR Document type.

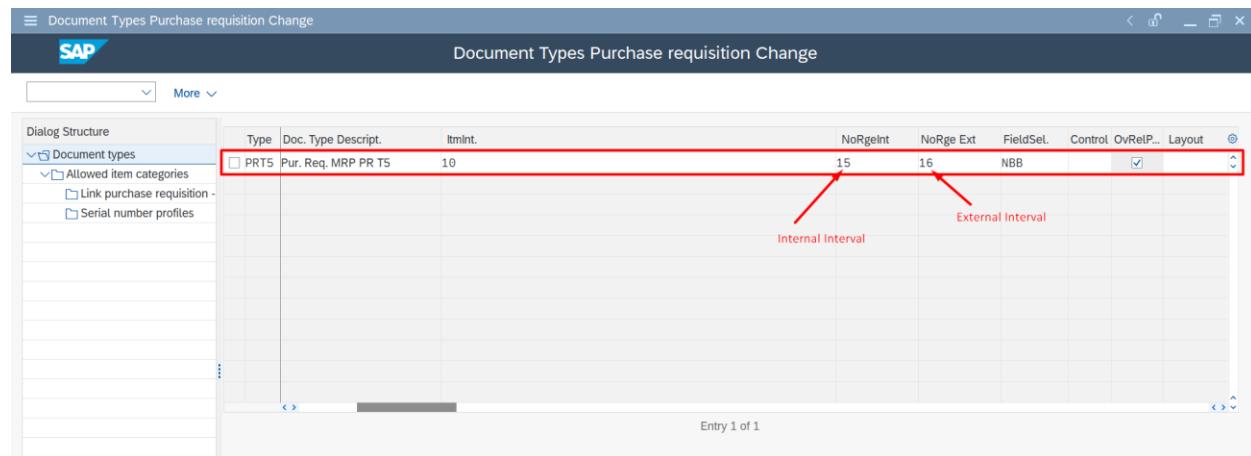
Materials Management->Purchasing->Purchase Requisition->Define Document Types for Purchase Requisitions.



The screenshot shows the SAP Display IMG interface. The left sidebar displays a navigation tree under the 'Structure' heading. The path selected is: Consumption-Based Planning > Purchasing > Purchase Requisition > Define Document Types for Purchase Requisitions. The right side of the screen is a blank workspace.

Copy the Document type from NB.

PRT5



The screenshot shows the SAP Document Types Purchase requisition Change interface. The table has the following columns: Type, Doc. Type Descript., ItmInt., NoRgeInt, NoRgeExt, FieldSel., Control, OvRelP..., and Layout. A row for 'PRT5 Pur. Req. MRP PR T5' is highlighted with a red box. Red arrows point from the text labels 'Internal Interval' and 'External Interval' to the corresponding cells in the table. The 'Control' column for this row contains a checked checkbox.

Type	Doc. Type Descript.	ItmInt.	NoRgeInt	NoRgeExt	FieldSel.	Control	OvRelP...	Layout
PRT5	Pur. Req. MRP PR T5	10	15	16	NBB	<input checked="" type="checkbox"/>		

Document Types Purchase requisition Change

Document Types Purchase requisition Change

Type	Doc. Type Descrip.	ItmInt.	NoRgeInt	NoRge Ext	FieldSel.	Control	OvRelP...	Layout	
FE	STANDARD PR sarah	1	11		SSEE				
FO	Framework Requisn	10	01	02	FOF			SRV	
FR04	sm04 foreign pr	10	14	02	NBB				
H1	Pur. Requisition hal	10	07	02	HALI				
LO04	sm04 local pr	10	13	02	NBB				
MDOC	PR DOC TYPE	10	09	02	ZNBB				
NB	Pur. Requisition	10	01	02	NBB				
NBS	Pur. Requisition NBS	10	01	02	NBB				
PRT5	Pur. Req. MRP T5	10	15	16	NBB				
PRT5	Pur. Req. MRP STR T5	10	15	16	NBB				
RV	Outline Agmnt. Reqn.	10	01	02	RVB	R			
SFOR	SM01 Foreign PR	10	01	02	NBB				

Admissible Item Categories for Document Type PRT5

Admissible Item Categories for Document Type PRT5

ItCat.	Text for Item Cat.
K	Standard
L	Consignment
M	Subcontracting
S	Third-party
U	Stock transfer
E	Enhanced Limits
C	Stock prov by cust.
P	Return.trans.pack.

Change View "Link purchase requisition - document type": Overview

Change View "Link purchase requisition - document type": Overview

Purchasing document = Reference Doc:		Purchase requisition = Curr. D					
DTy.	Description	Itm... Dsc.ItmCat.	Ite... Dsc.ItmCat.	NAA	R/S	Di...	
TSF	Team 5-Foreign PO	Standard	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSF	Team 5-Foreign PO	K Consignment	Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSF	Team 5-Foreign PO	L Subcontracting	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TSF	Team 5-Foreign PO	S Third-party	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSL	Team 5-Local PO	Standard	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSL	Team 5-Local PO	K Consignment	Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSL	Team 5-Local PO	L Subcontracting	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TSS	Team 5-Service PO	S Third-party	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSS	Team 5-Service PO	Standard	Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TSS	Team 5-Service PO	K Consignment	Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

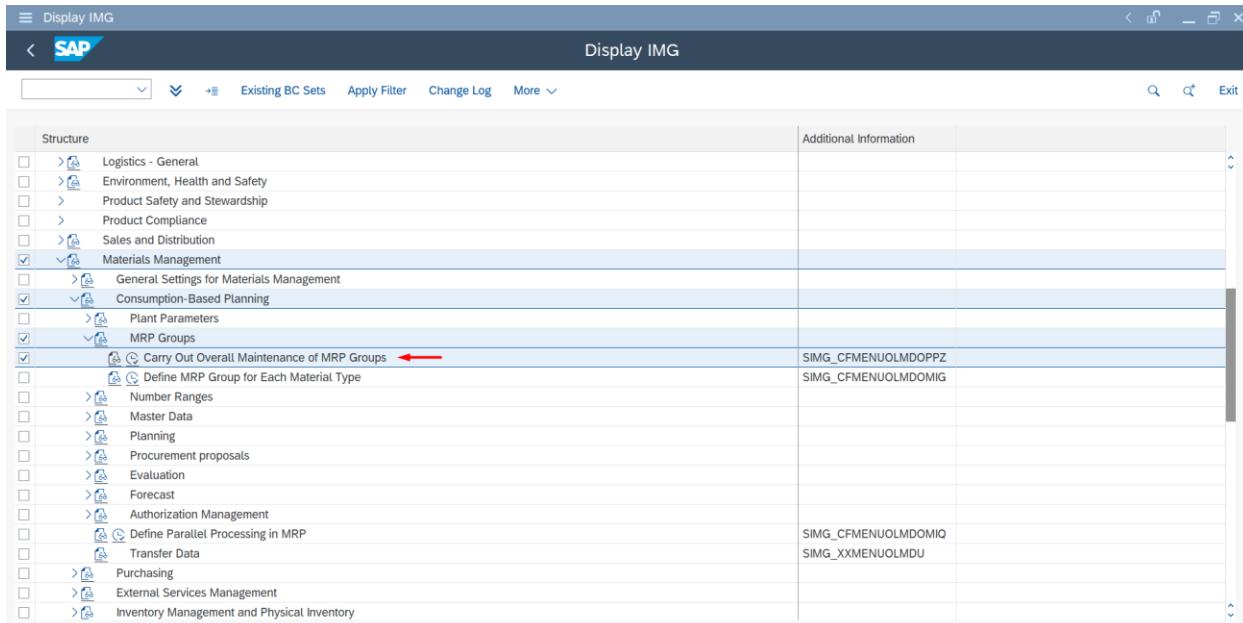


Step 3: Carry out overall maintenance of MRP Groups

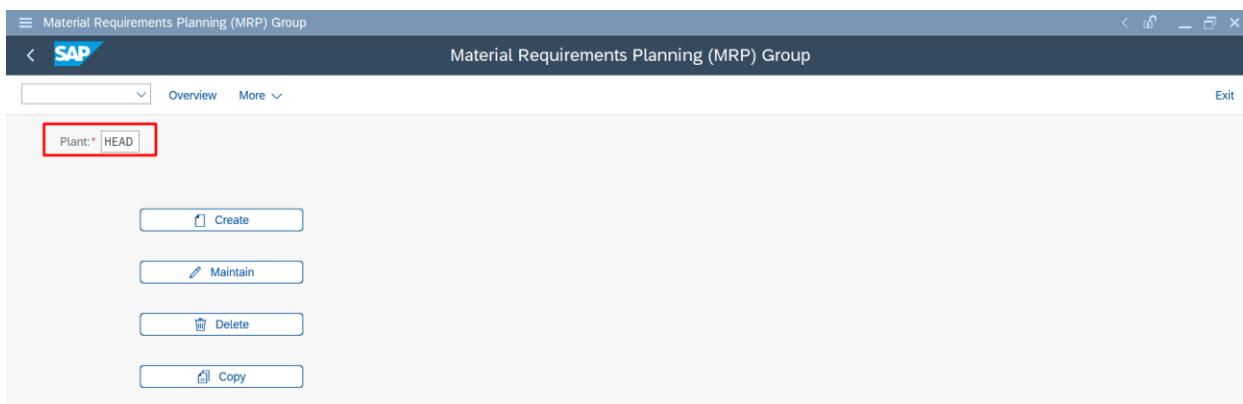
T-code >> OPPZ

Navigation:

Materials Management->Consumption-Based Planning->MRP Groups->Carry Out Overall Maintenance of MRP Groups



The screenshot shows the SAP Display IMG interface. The left pane displays a hierarchical menu structure under 'Structure'. The path selected is: Materials Management > Consumption-Based Planning > MRP Groups > Carry Out Overall Maintenance of MRP Groups. A red arrow points to the last item in this path. The right pane shows 'Additional Information' for each node, including menu IDs like SIMG_CFMENUOLMDOPPZ and SIMG_CFMENUOLMDOMIG.



The screenshot shows the SAP Material Requirements Planning (MRP) Group screen. The top bar indicates the current screen is 'Material Requirements Planning (MRP) Group'. The left sidebar shows a 'Plant:' dropdown set to 'HEAD', which is highlighted with a red border. Below the sidebar are four main action buttons: 'Create', 'Maintain', 'Delete', and 'Copy'.

SAP Material Requirements Planning (MRP) Group

Plant: HEAD

Create, **Maintain**, **Delete**

Maintain MRP Group

Plant: HEAD CAIRO, BENZ company

MRP Group:

Maintain, **Cancel**

MRP Group (1) 9 Entries found

Restrictions

Plant MRP Name

- HEAD 0000 External procurement (blank)
- HEAD 0001 In-hse prod. w/o Indpt reqnts (Initial)
- HEAD 0002 In-house prod. with planned Indpt reqnts
- HEAD 0010 Make to Stock Production
- HEAD 0011 External procurement (PReq Handover)
- HEAD 0040 Production w. consump. with prel.plan
- HEAD 0052 Production without final assembly
- HEAD SM04 sm04 group
- HEAD ZPS1 Various Procurem.Scen. Project Managem.

SAP Maintain MRP Group

Plant: HEAD CAIRO, BENZ company

MRP Group: 0000 External procurement (blank)

External Procurement

Scheduling/ Document Type: Maintained

Planning Run

Maximum. MRP Interval: initial

Horizons

Rescheduling Horizon: initial

Planning Horizon: initial

Planning

Safety Stock: initial

Creation Indicator: initial

Project Plan: Requirements Grouping: Ini

Save Text, **Cancel**

SAP Change View "External Procurement per MRP Group": Overview

Plnt	N MRP ...	Name	DocType SPO	DocType SC	DocType ST	PReq Handover
HEAD	C.0000	External procu. PRT5			PRTS	<input type="checkbox"/>

PR Document Type for Standard PO

PR Document Type For STO

Entry 1 of 1

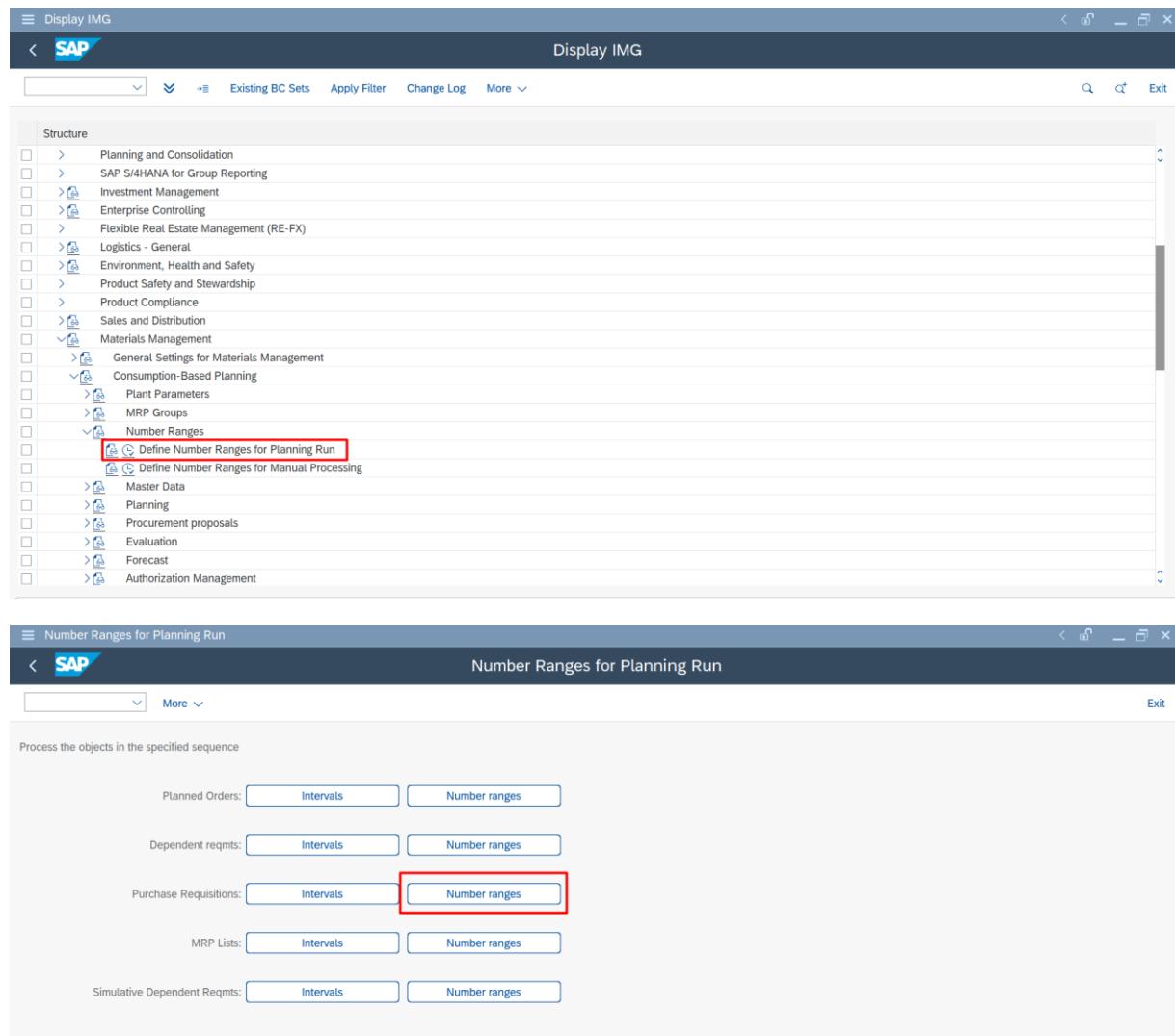


Checked PReq. Handover >> If the box is checked, any purchase requisitions created by MRP will not automatically be converted into purchase orders; instead, they are marked for review.

Checking this box adds an approval step in the procurement process.

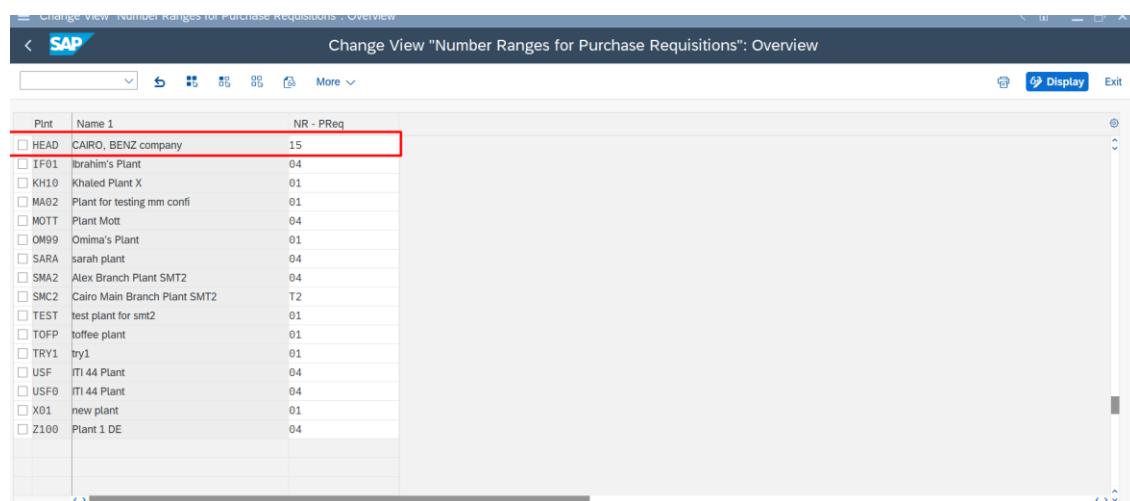
Step 4: Set the number range for PR-MRP

Materials Management->Consumption-Based Planning->Number Ranges->Define Number Ranges for Planning Run.



The screenshot shows two SAP MM-SAP application windows. The top window is titled 'Display IMG' and shows the 'Structure' navigation tree. The path selected is: Planning and Consolidation > SAP S/4HANA for Group Reporting > Investment Management > Enterprise Controlling > Flexible Real Estate Management (RE-FX) > Logistics - General > Environment, Health and Safety > Product Safety and Stewardship > Product Compliance > Sales and Distribution > Materials Management > General Settings for Materials Management > Consumption-Based Planning > Number Ranges > Define Number Ranges for Planning Run. This last item is highlighted with a red box. The bottom window is titled 'Number Ranges for Planning Run' and contains a configuration form with several tabs: Planned Orders, Dependent reqmts, Purchase Requisitions, MRP Lists, and Simulative Dependent Reqmts. The 'Purchase Requisitions' tab has its 'Number ranges' button highlighted with a red box.

This is the interval of the PR-Type that has been created.



The screenshot shows the 'Change View "Number Ranges for Purchase Requisitions": Overview' screen. It displays a table of number ranges assigned to various plants. The first row, which corresponds to the plant 'CAIRO, BENZ company' with the range '15', is highlighted with a red box.

Plant	Name	NR - PReq
HEAD	CAIRO, BENZ company	15
IF01	Ibrahim's Plant	04
KH10	Khaled Plant X	01
MA02	Plant for testing mm confi	01
MOTT	Plant Mott	04
OM99	Omnia's Plant	01
SARA	sarah plant	04
SMA2	Alex Branch Plant SMT2	04
SNC2	Cairo Main Branch Plant SMT2	T2
TEST	test plant for smt2	01
TOFF	toffee plant	01
TRY1	try1	01
USF	ITI 44 Plant	04
USF0	ITI 44 Plant	04
X01	new plant	01
Z100	Plant 1 DE	04

Step 5: Define MRP Controller from PP-Module “Production”

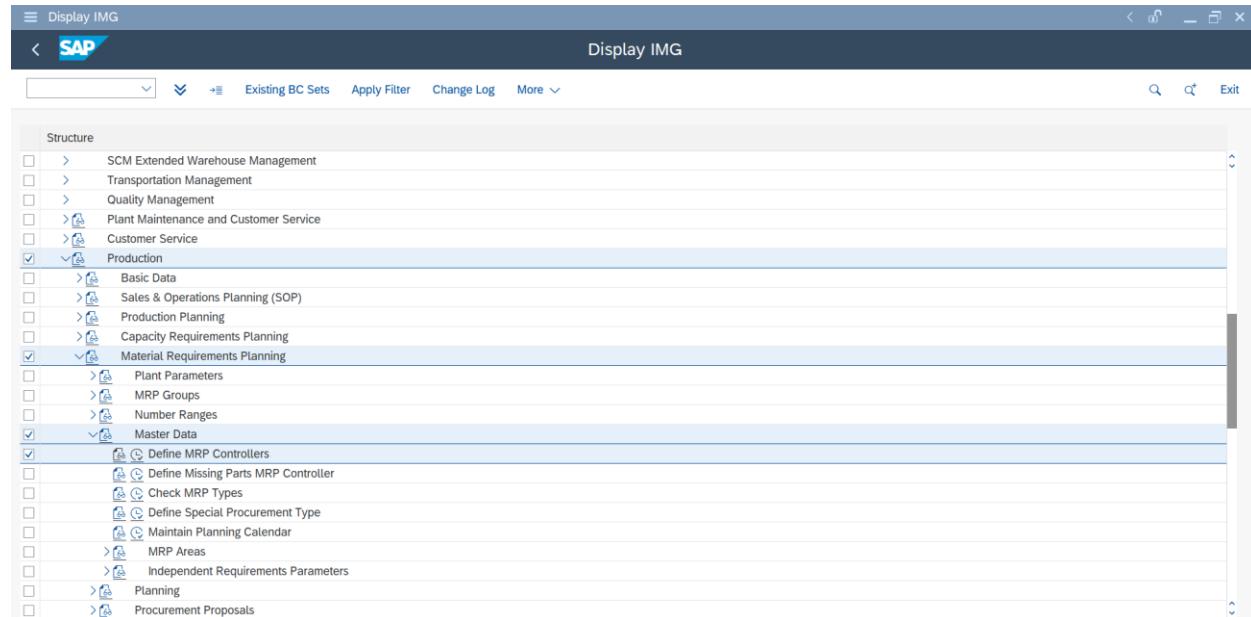
Assign and configure MRP **controllers responsible** for the planning of materials.

T-code: OMD0

Navigation:

SPRO → IMG → Production → MRP → Master Data → Define MRP Controllers

Copied from Plant 1010



The screenshot shows the SAP Display IMG interface. The left sidebar displays a hierarchical navigation structure under 'Structure'. The path taken is: SCM Extended Warehouse Management > Transportation Management > Quality Management > Plant Maintenance and Customer Service > Customer Service > Production > Material Requirements Planning > Master Data > Define MRP Controllers. The 'Define MRP Controllers' node is highlighted with a blue selection bar at the bottom of the list.

New Entries: Overview of Added Entries				
	Name	MRP Cont.	MRP controller name	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	005	MRP Controller 005	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	006	MRP Controller 006	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	007	MRP Controller 007	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	008	MRP Controller 008	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	009	MRP Controller 009	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	010	MRP Controller 010	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	011	MRP Controller 011	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	012	MRP Controller 012	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	013	MRP Controller 013	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	014	MRP Controller 014	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	015	MRP Controller 015	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	016	MRP Controller 016	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	017	MRP Controller 017	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	018	MRP Controller 018	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	019	MRP Controller 019	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	020	MRP Controller 020	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	021	MRP Controller 021	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	022	MRP Controller 022	
<input type="checkbox"/> HEAD	CAIRO, BENZ company	023	MRP Controller 023	



New Entries: Overview of Added Entries

Plnt	Name 1	MRP Cont.	MRP controller name
HEAD	CAIRO, BENZ company	023	MRP Controller 023
HEAD	CAIRO, BENZ company	024	MRP Controller 024
HEAD	CAIRO, BENZ company	025	MRP Controller 025
HEAD	CAIRO, BENZ company	026	MRP Controller 026
HEAD	CAIRO, BENZ company	027	MRP Controller 027
HEAD	CAIRO, BENZ company	028	MRP Controller 028
HEAD	CAIRO, BENZ company	029	MRP Controller 029
HEAD	CAIRO, BENZ company	030	MRP Controller 030
HEAD	CAIRO, BENZ company	F00	Forklift Expert 00
HEAD	CAIRO, BENZ company	F01	Forklift Expert 01
HEAD	CAIRO, BENZ company	F02	Forklift Expert 02
HEAD	CAIRO, BENZ company	P00	Bike Special 00
HEAD	CAIRO, BENZ company	Q00	Quality Expert 00
HEAD	CAIRO, BENZ company	Q06	Quality Expert 06
HEAD	CAIRO, BENZ company	Q07	Quality Expert 07
HEAD	CAIRO, BENZ company	Q08	Quality Expert 08
HEAD	CAIRO, BENZ company	Q09	Quality Expert 09
HEAD	CAIRO, BENZ company	Q10	Quality Expert 10
HEAD	CAIRO, BENZ company	Q11	Quality Expert 11

Entry 19 of 57

New Entries: Overview of Added Entries

Plnt	Name 1	MRP Cont.	MRP controller name
HEAD	CAIRO, BENZ company	011	Quality Expert 11
HEAD	CAIRO, BENZ company	012	Quality Expert 12
HEAD	CAIRO, BENZ company	013	Quality Expert 13
HEAD	CAIRO, BENZ company	014	Quality Expert 14
HEAD	CAIRO, BENZ company	015	Quality Expert 15
HEAD	CAIRO, BENZ company	016	Quality Expert 16
HEAD	CAIRO, BENZ company	017	Quality Expert 17
HEAD	CAIRO, BENZ company	018	Quality Expert 18
HEAD	CAIRO, BENZ company	019	Quality Expert 19
HEAD	CAIRO, BENZ company	020	Quality Expert 20
HEAD	CAIRO, BENZ company	021	Quality Expert 21
HEAD	CAIRO, BENZ company	022	Quality Expert 22
HEAD	CAIRO, BENZ company	023	Quality Expert 23
HEAD	CAIRO, BENZ company	024	Quality Expert 24
HEAD	CAIRO, BENZ company	025	Quality Expert 25
HEAD	CAIRO, BENZ company	026	Quality Expert 26
HEAD	CAIRO, BENZ company	027	Quality Expert 27
HEAD	CAIRO, BENZ company	028	Quality Expert 28
HEAD	CAIRO, BENZ company	029	Quality Expert 29

Entry 37 of 57

New Entries: Overview of Added Entries

Plnt	Name 1	MRP Cont.	MRP controller name
HEAD	CAIRO, BENZ company	Q29	Quality Expert 29
HEAD	CAIRO, BENZ company	Q30	Quality Expert 30
HEAD	CAIRO, BENZ company	Q31	Quality Expert 31

Entry 55 of 57

Copied from Plant 1010.

Step 6: Define the MRP group.

T-Code: OMD8

- For grouping the material “Reporting wise.”

Plnt	MRP Group	Name of MRP Group
<input type="checkbox"/> HEAD	0000	External procurement (blank)
<input type="checkbox"/> HEAD	0001	In-hse prod. w/o indpt reqmts (initial)
<input type="checkbox"/> HEAD	0002	In-house prod. with planned indpt reqmts
<input type="checkbox"/> HEAD	0010	Make-to Stock Production
<input type="checkbox"/> HEAD	0011	External procurement (PReq Handover)
<input type="checkbox"/> HEAD	0040	Production w. consump. with resp. Plan
<input type="checkbox"/> HEAD	0052	Production without final assembly
<input type="checkbox"/> HEAD	SM04	sm04 group
<input type="checkbox"/> HEAD	ZPS1	Various Procurem.Scen. Project Managem.

0000 External procurement (blank): This is typically the default group for materials procured externally, with no special processing in MRP.

0001 In-house prod. w/o inep reqts (initial): For materials produced in-house without considering independent requirements like customer orders during MRP.

0002 In-house production with planned independent requirements: Materials are produced in-house, and MRP considers planned independent requirements (forecasted or customer demand).

0010 Make-to-Stock Production: MRP is run for materials produced for stock; they are manufactured based on forecasts, not specific customer orders.

0011 External procurement (PReq Handover): Materials procured externally but require a purchase requisition handover process before converting to a purchase order.

0040 Production w. consume. With resp. Plan: Production is driven by historical consumption data, and a responsible planner is involved.

0052 Production without final assembly: For scenarios where products are produced up to a certain stage but not finally assembled.

SM04 sm04 group: For subcontracting.

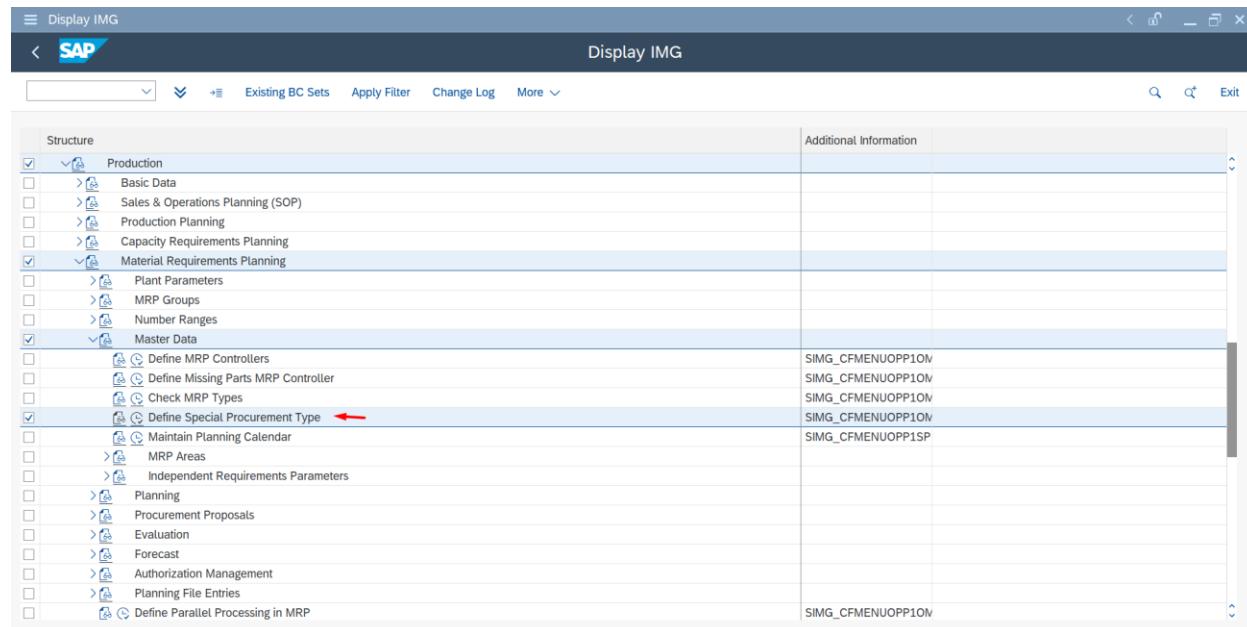
ZPS1 Various Procurem. Scen. Project Managem.: This is a custom group for various procurement scenarios, possibly related to project management.

Step 6: Define Special Procurement Type

MRP Types determine the MRP procedure that is applied to the material.

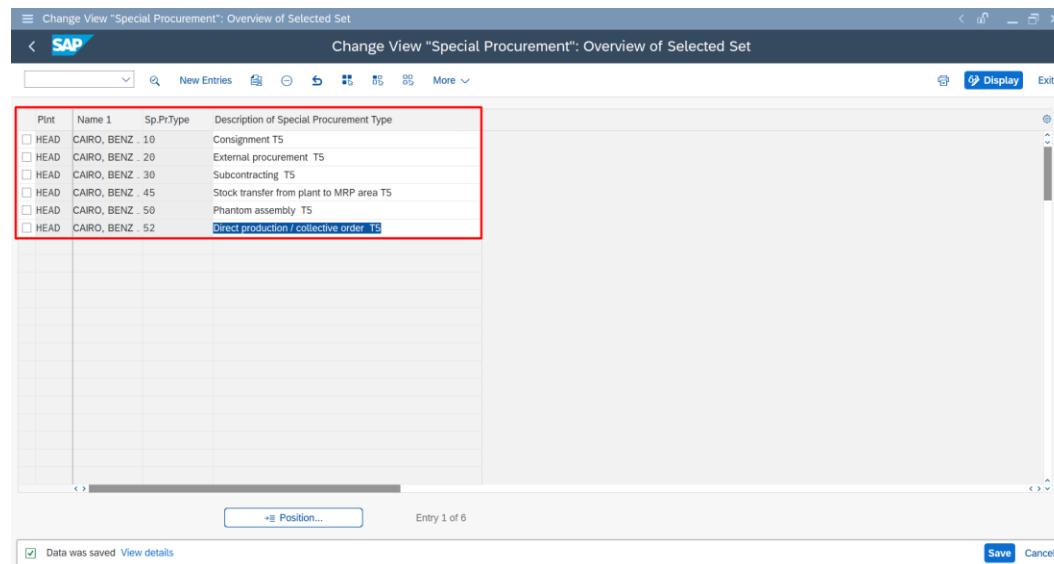
T-code: "OMD9"

Navigation: SPRO → IMG → Production->Material Requirements Planning->Master Data->Define Special Procurement Type



The screenshot shows the SAP Display IMG interface. The left pane displays a hierarchical tree structure under 'Structure'. The 'Define Special Procurement Type' node is highlighted with a red arrow. The right pane shows 'Additional Information' for each node, including menu IDs like SIMG_CFMENUOPP10N.

Node	Additional Information
Production	
Basic Data	
Sales & Operations Planning (SOP)	
Production Planning	
Capacity Requirements Planning	
Material Requirements Planning	
Plant Parameters	
MRP Groups	
Number Ranges	
Master Data	
Define MRP Controllers	SIMG_CFMENUOPP10N
Define Missing Parts MRP Controller	SIMG_CFMENUOPP10N
Check MRP Types	SIMG_CFMENUOPP10N
Define Special Procurement Type (highlighted)	SIMG_CFMENUOPP10N
Maintain Planning Calendar	SIMG_CFMENUOPP1SP
MRP Areas	
Independent Requirements Parameters	
Planning	
Procurement Proposals	
Evaluation	
Forecast	
Authorization Management	
Planning File Entries	
Define Parallel Processing in MRP	SIMG_CFMENUOPP10N



The screenshot shows the 'Change View "Special Procurement": Overview of Selected Set' screen. A red box highlights the first six entries in the table:

Pint	Name	Sp.PrType	Description of Special Procurement Type
HEAD	CAIRO, BENZ .. 10		Consignment TS
HEAD	CAIRO, BENZ .. 20		External procurement TS
HEAD	CAIRO, BENZ .. 30		Subcontracting TS
HEAD	CAIRO, BENZ .. 45		Stock transfer from plant to MRP area TS
HEAD	CAIRO, BENZ .. 50		Phantom assembly TS
HEAD	CAIRO, BENZ .. 52		Direct production / collective order TS

At the bottom, a message says 'Data was saved' with 'View details' link, and buttons for 'Save' and 'Cancel'.



Test Cycle

1st scenario on fixed lot size.

Create material with Fixed Lot size and monitor the stock availability in MMBE:

SAP Display Material MRP-FX LOT TEST4 (Car (Team 5))

General Data

Base Unit of Measure: PC	Piece	MRP Group: 0000
Purchasing Group:	ABC Indicator:	Valid From:
Material Status:		

MRP Procedure

MRP Type: V1	Manual reord.point w. ext.reqs
Reorder Point: 300	Planning Time Fence: 0
Planning Cycle:	MRP Controller: 005

Lot-Size Data

Lot Sizing Procedure: FX	Fixed order quantity
--------------------------	----------------------

SAP Display Material MRP-FX LOT TEST4 (Car (Team 5))

General Data

Material Status:	Valid From:
------------------	-------------

MRP Procedure

MRP Type: V1	Manual reord.point w. ext.reqs
Reorder Point: 300	Planning Time Fence: 0
Planning Cycle:	MRP Controller: 005

Lot-Size Data

Lot Sizing Procedure: FX	Fixed order quantity
Fixed Lot Size: 100	Maximum Stock Level: 0
Assembly Scrap (%): 0.00	Takt Time: 0

MRP Areas

MRP Area Exists: <input type="checkbox"/>	MRP Areas
---	-----------

Display Material MRP-FX LOT TEST4 (Car (Team 5))

Procurement

Procurement Type: <input type="text" value="F"/>	External Procurement
Special Procurement: <input type="checkbox"/>	Batch Entry: <input type="checkbox"/>
Backflush: <input type="checkbox"/>	Production Storage Location: <input type="checkbox"/>
JIT Delivery Schedule: <input type="checkbox"/>	Proposed Supply Area: <input type="checkbox"/>
Co-Product: <input type="checkbox"/>	Stor. Location for Ext. Proc.: <input type="checkbox"/>
Bulk Material: <input type="checkbox"/>	Stock Determination Group: <input type="checkbox"/>

Scheduling

In-House Production: 0 days	Planned Delivery Time: 0 days
Goods Rec. Proc. Time: 0 days	Planning Calendar: <input type="checkbox"/>
Scheduling Margin Key: <input type="checkbox"/>	

Display Material MRP-FX LOT TEST4 (Car (Team 5))

Net Requirements Calculation

Safety Stock: <input type="text" value="10"/>	Service level (%): 0,0
Minimum Safety Stock: 0	Range-of-Coverage Profile: <input type="checkbox"/>
Safety Time: <input type="checkbox"/>	Safety Time: 0 days
Profile for Saf. Time: <input type="checkbox"/>	

No Stock is Available “MMBE”

Stock Overview: Basic List

Selection

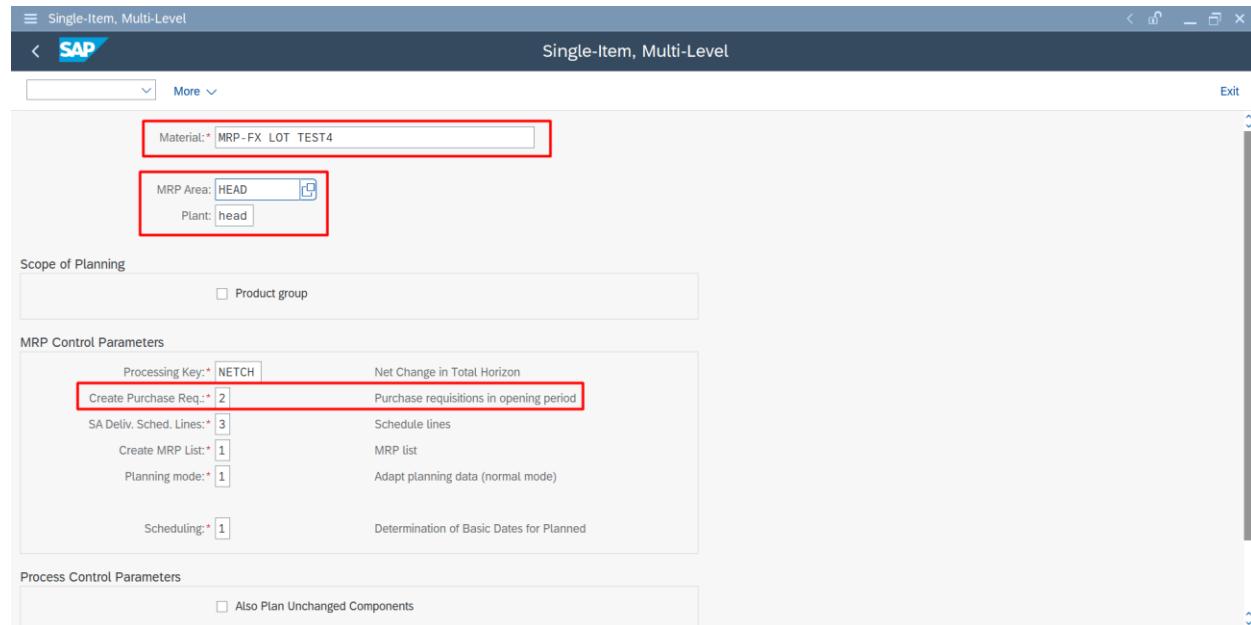
Material: MRP-FX LOT TEST4	External Manufacturer: <input type="checkbox"/>
MRP FX lot test 4	
Material Type: CAR	Car (Team 5)
Unit of Measure: PC	Base Unit of Measure: PC

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Conslt ordered	Stck trans.(plnt)	Transfer (SLoc)	GR Bloc...
Full									
BENZ BENZ company code									

Now we are going to run MRP MD01 (All Products)/MD02 (for 1-Material)

MD02:



Single-Item, Multi-Level

Material: * MRP-FX LOT TEST4

MRP Area: HEAD

Plant: head

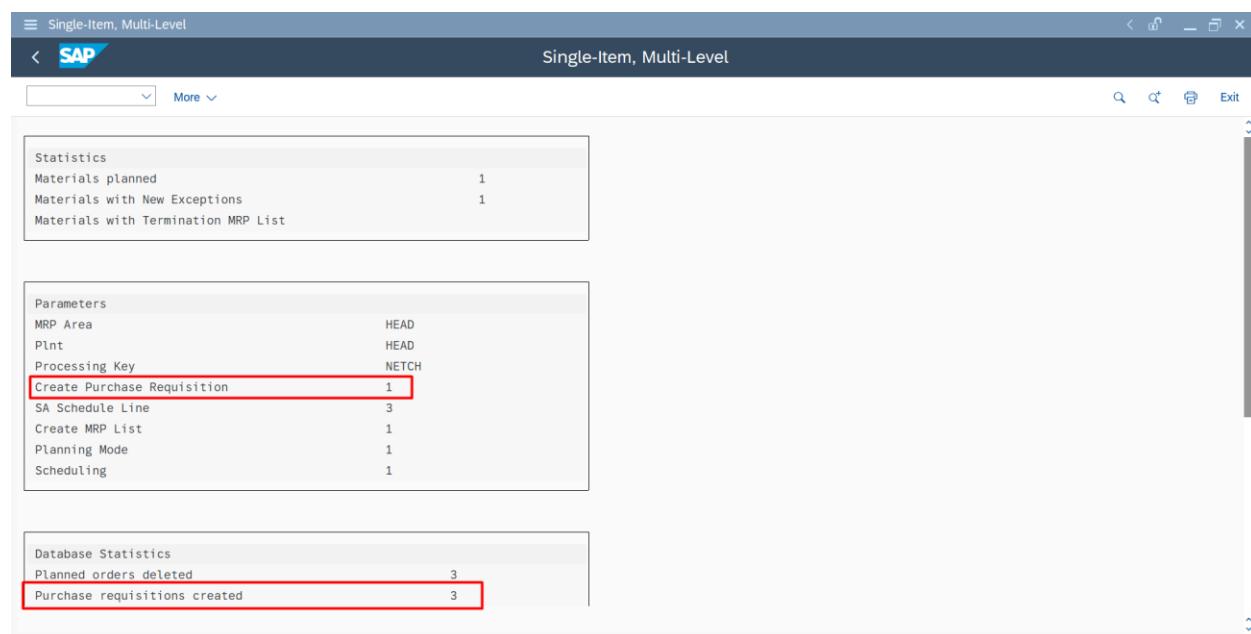
Scope of Planning

MRP Control Parameters

Processing Key: * NETCH	Net Change in Total Horizon
Create Purchase Req: * 2	Purchase requisitions in opening period
SA Deliv. Sched. Lines: * 3	Schedule lines
Create MRP List: * 1	MRP list
Planning mode: * 1	Adapt planning data (normal mode)
Scheduling: * 1	Determination of Basic Dates for Planned

Process Control Parameters

Also Plan Unchanged Components



Single-Item, Multi-Level

Statistics

Materials planned	1
Materials with New Exceptions	1
Materials with Termination MRP List	

Parameters

MRP Area	HEAD
Plnt	HEAD
Processing Key	NETCH
Create Purchase Requisition	1
SA Schedule Line	3
Create MRP List	1
Planning Mode	1
Scheduling	1

Database Statistics

Planned orders deleted	3
Purchase requisitions created	3

A planned order is created because we chose indicator 2/3 in the second field.

Indicator 1 for automatic generation of PR

SAP

Planning Edit Goto Settings System Help

Single-Item, Multi-Level

Material: * MRP-FX LOT TEST4
MRP FX lot test 4

MRP Area: HEAD CAIRO, BENZ company

Plant: HEAD CAIRO, BENZ company

Scope of Planning

Product group

MRP Control Parameters

Processing Key: * NETCH

Create Purchase Req.: * 1 Purchase requisitions

SA Deliv. Sched. Lines: * 3 Schedule lines

Create MRP List: * 1 MRP list

Planning mode: * 1 Adapt planning data (normal mode)

Scheduling: * 1 Determination of Basic Dates for Planned

Creation Indicator for Purchase ...

1 Purchase requisitions

2 Purchase requisitions in open

3 Planned orders

Process Control Parameters

Also Plan Unchanged Components

3 Entries found

Single-Item, Multi-Level

Database Statistics

Planned orders deleted	3
Purchase requisitions created	3

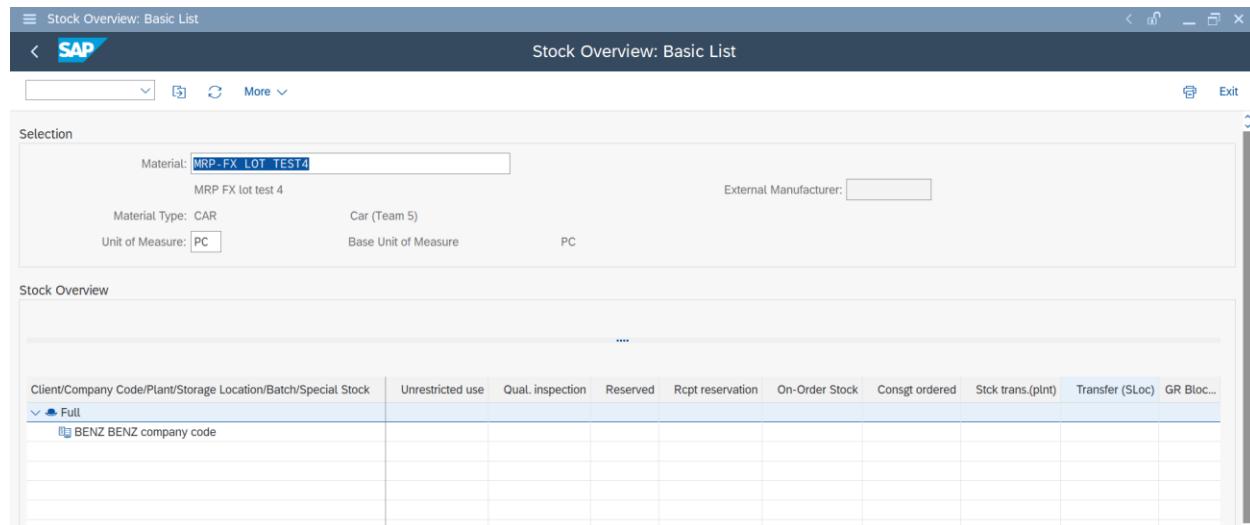
Runtime Statistics

Start of Planning Run	12:33:54
End of Planning Run	12:33:55
Runtime	00:00:01

Ranking List of Materials with Highest CPU Times (in ms)

Material	MRP Area	Plnt			
Runtime	Read	Net Calc.	BOM	LdTimeSched	Update
MRP-FX LOT TEST4	HEAD	HEAD			
275	26	45	0	0	79

MMBE: No changes have been made to the stock.

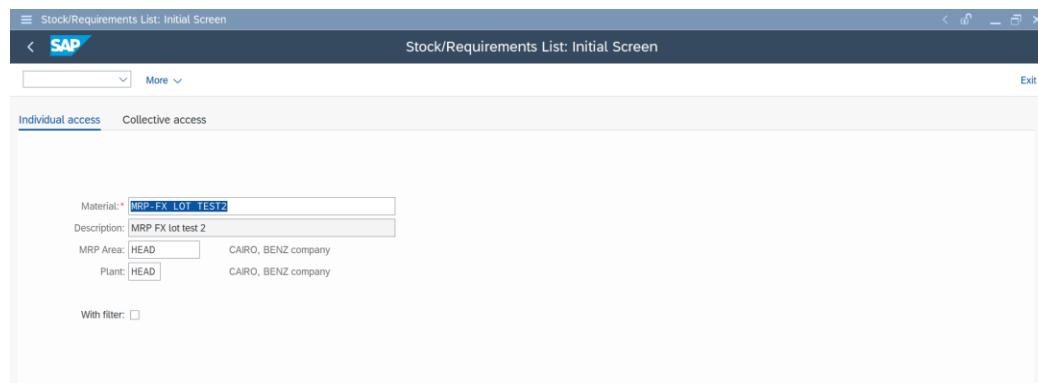


The screenshot shows the SAP Stock Overview: Basic List interface. In the Selection section, the Material is set to MRP-FX LOT TEST4. The Stock Overview table is empty, indicating no changes have been made to the stock.

Now, we need to show the 3-PRs and the quantities that have been requested.

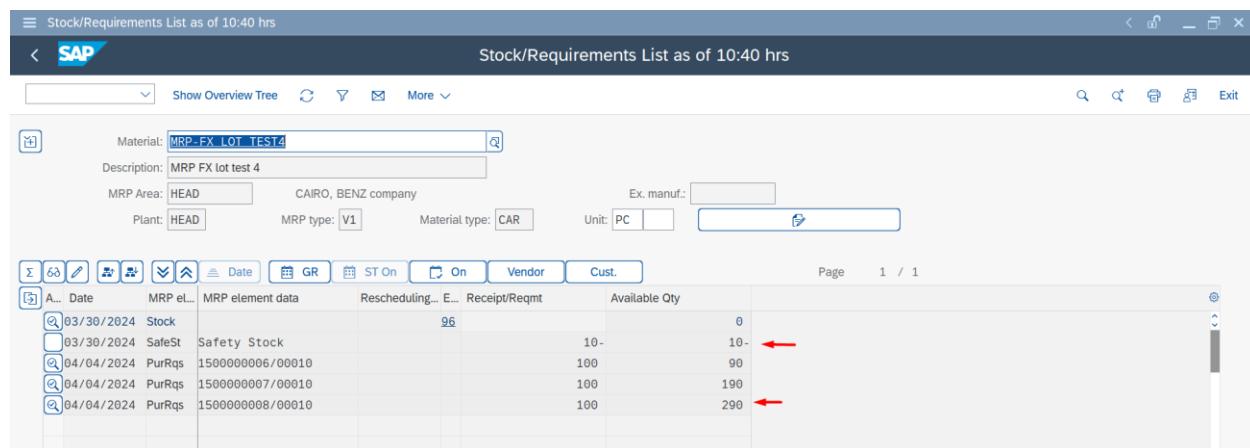
Expected to be $3\text{-PRs} * 100 = 300 - (\text{safety stock} = 10) = 290 \text{ PCs}$.

MD04



The screenshot shows the SAP Stock/Requirements List: Initial Screen. The Material is set to MRP-FX LOT TEST2. The MRP Area and Plant are both set to HEAD, CAIRO, BENZ company. The screen also shows fields for Description, MRP Type, and Unit.

As expected, >> and as noticed, the PRs have been generated from the interval number range 15 as configured in the PR Document PR.

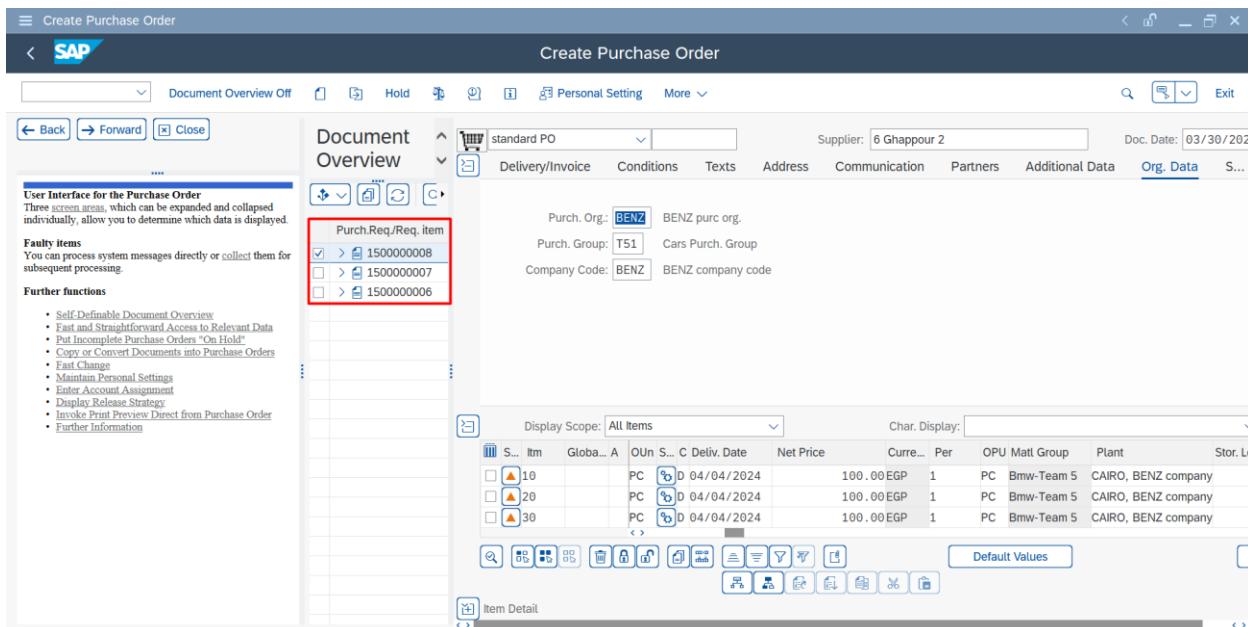


The screenshot shows the SAP Stock/Requirements List as of 10:40 hrs. The Material is set to MRP-FX LOT TEST4. The table below shows the generated Purchase Requisitions (PurRqs) for the period from 03/30/2024 to 04/04/2024. Red arrows point to the Available Qty column, highlighting the values 10, 90, 190, and 290, which correspond to the safety stock and the three planned receipts.

Date	Stock	Safety Stock	PurRqs	Available Qty
03/30/2024	96	10-	100	0
04/04/2024	96	10-	100	90
04/04/2024	96	10-	100	190
04/04/2024	96	10-	100	290

In addition, we can see the 3-PRs with their Document numbers and quantities.

- Now, it's time to make a PO with reference to the 3-PRs as one PO/as 3-POs as each.
- PR > PO. Depending on the business requirements.



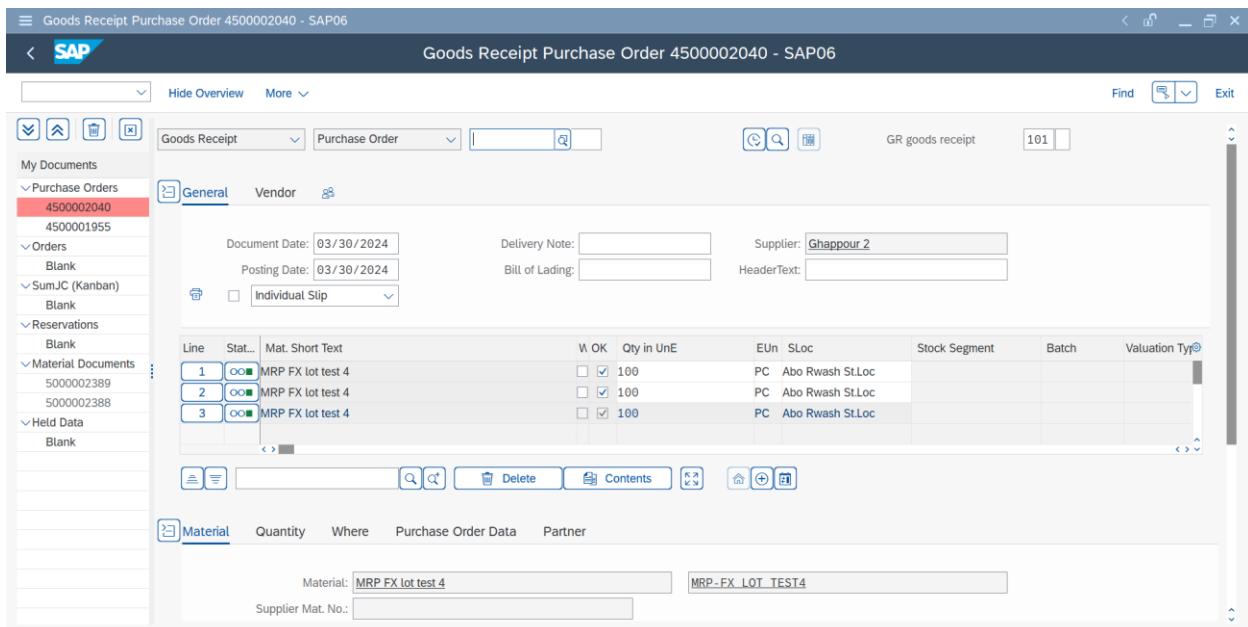
Purch. Req./Req. item

- > 1500000008
- > 1500000007
- > 1500000006

Item	Global A	OU	Un S...	C	Deliv. Date	Net Price	Curre...	Per	OPU	Matt Group	Plant	Stor. Loc
10	PC	10	04/04/2024		100.00 EGP	1	PC	Bmw-Team 5	CAIRO, BENZ company			
20	PC	20	04/04/2024		100.00 EGP	1	PC	Bmw-Team 5	CAIRO, BENZ company			
30	PC	30	04/04/2024		100.00 EGP	1	PC	Bmw-Team 5	CAIRO, BENZ company			

PO Doc. No. 4500002040

Migo >> GR + PO 101



General

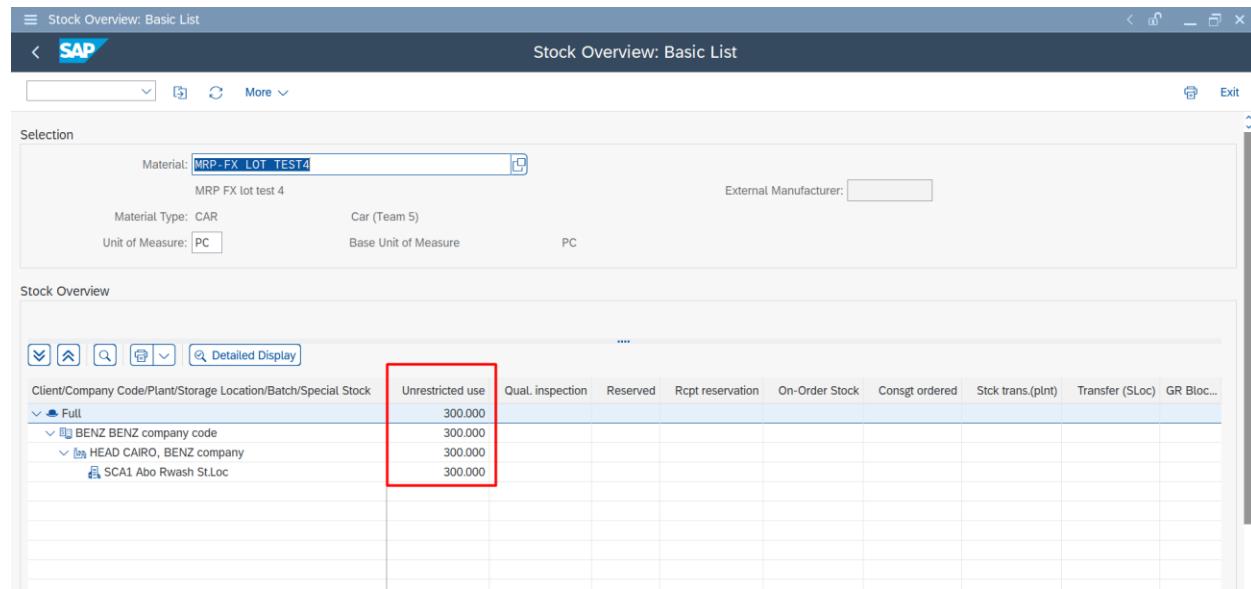
Line	Stat...	Mat. Short Text	W. OK	Qty in UnE	EUN	SLoc	Stock Segment	Batch	Valuation Typ
1	○○○	MRP FX lot test 4	<input type="checkbox"/>	100	PC	Abo Rwash StLoc			
2	○○○	MRP FX lot test 4	<input type="checkbox"/>	100	PC	Abo Rwash StLoc			
3	○○○	MRP FX lot test 4	<input type="checkbox"/>	100	PC	Abo Rwash StLoc			

Material

Material: MRP FX lot test 4

Supplier Mat. No.: MRP-FX_LOT_TEST4

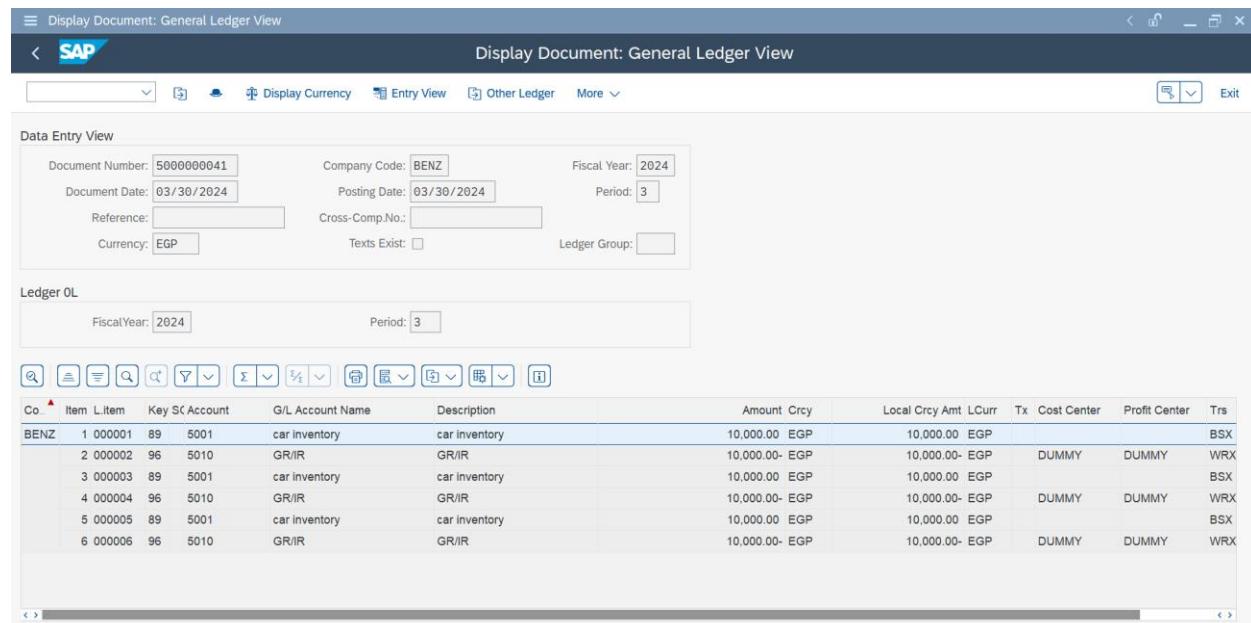
MMBE: Available Stock is updated.



The screenshot shows the SAP Stock Overview: Basic List interface. In the selection area, the material is set to MRP-FX LOT TEST4. The unit of measure is PC. The available stock for this material is 300.000, which is highlighted with a red box. The stock overview table includes columns for Unrestricted use, Qual. inspection, Reserved, Rcpt reservation, On-Order Stock, Consigt ordered, Stck trans.(plnt), Transfer (SLoc), and GR Bloc... The table shows three rows corresponding to the company code BENZ BENZ company code, HEAD CAIRO, BENZ company, and SCA1 Abo Rwash StLoc.

FI-Document is generated.

Entry for each Line Item.



The screenshot shows the SAP Display Document: General Ledger View interface. The document number is 5000000041, and the fiscal year is 2024. The ledger view table lists six transactions for car inventory (G/L Account 5001) with a debit amount of 10,000.00 EGP each. The transactions are categorized by company code BENZ and posting date 03/30/2024.

Co	Item	L.Item	Key SC Account	G/L Account Name	Description	Amount	Crcy	Local Crcy	Amt	LCurr	Tx	Cost Center	Profit Center	Trs
BENZ	1	000001	89	5001	car inventory	10,000.00	EGP	10,000.00	EGP					BSX
	2	000002	96	5010	GR/IR	10,000.00	- EGP	10,000.00	- EGP	DUMMY	DUMMY			WRX
	3	000003	89	5001	car inventory	10,000.00	EGP	10,000.00	EGP					BSX
	4	000004	96	5010	GR/IR	10,000.00	- EGP	10,000.00	- EGP	DUMMY	DUMMY			WRX
	5	000005	89	5001	car inventory	10,000.00	EGP	10,000.00	EGP					BSX
	6	000006	96	5010	GR/IR	10,000.00	- EGP	10,000.00	- EGP	DUMMY	DUMMY			WRX

2nd Scenario with Replenishment up to max stock level (Lot Size)

With max. Stock level 1000 and reorder point 500.

SAP Display Material MRP-REP. TEST (Car (Team 5))

General Data

Base Unit of Measure: PC	Piece	MRP Group: 0000
Purchasing Group:	ABC Indicator:	
Material Status:	Valid From:	

MRP Procedure

MRP Type: V1	Manual reord.point w. ext.reqs
Reorder Point: 500	Planning Time Fence: 0
Planning Cycle:	MRP Controller: 005

Lot-Size Data

Lot Sizing Procedure: HB	Replenish to maximum stock level
--------------------------	----------------------------------

SAP Display Material MRP-REP. TEST (Car (Team 5))

MRP Procedure

MRP Type: V1	Manual reord.point w. ext.reqs
Reorder Point: 500	Planning Time Fence: 0
Planning Cycle:	MRP Controller: 005

Lot-Size Data

Lot Sizing Procedure: HB	Replenish to maximum stock level
Minimum Lot Size: 0	Maximum Lot Size: 0
Assembly Scrap (%): 0.00	Maximum Stock Level: 1,000
Rounding Profile:	Takt Time: 0
	Rounding Value: 0

MRP Areas

MIRP Area Exists: <input type="checkbox"/>	MRP Areas
--	-----------

MMBE >> no available Stock yet.

SAP Stock Overview: Basic List

Selection

Material: MRP-REP. TEST	MRP-REP. TEST (Fill to Max.)	External Manufacturer:
Material Type: CAR	Car (Team 5)	
Unit of Measure: PC	Base Unit of Measure	PC

Stock Overview

	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consign ordered	Stick trans.(print)	Transfer (SLoc)	GR Bloc...
Full	BENZ BENZ company code								



MD02 >> MRP Run on one material.

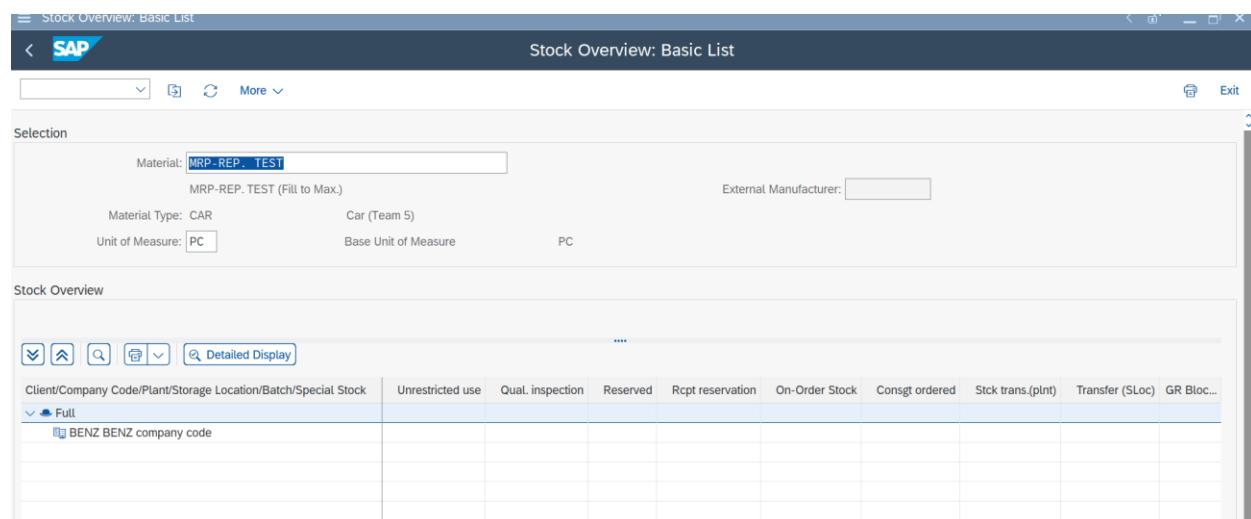
The Expected result is that one PR will be generated as fill to max, with quantity 950 as the max. Once the stock level is zero, the stock level is 1000, including the safety stock.



The screenshot shows the SAP MM-SAP interface for a single-item multi-level MRP run. The top navigation bar indicates "Single-Item, Multi-Level". The main area displays various statistics and parameters used for the run:

- Statistics:**
 - Materials planned: 1
 - Materials with New Exceptions: 1
 - Materials with Termination MRP List
- Parameters:**
 - MRP Area: HEAD
 - PInt: HEAD
 - Processing Key: NETCH
 - Create Purchase Requisition:** 1 (highlighted with a red box)
 - SA Schedule Line: 3
 - Create MRP List: 1
 - Planning Mode: 1
 - Scheduling: 1
- Database Statistics:**
 - Purchase requisitions created: 1

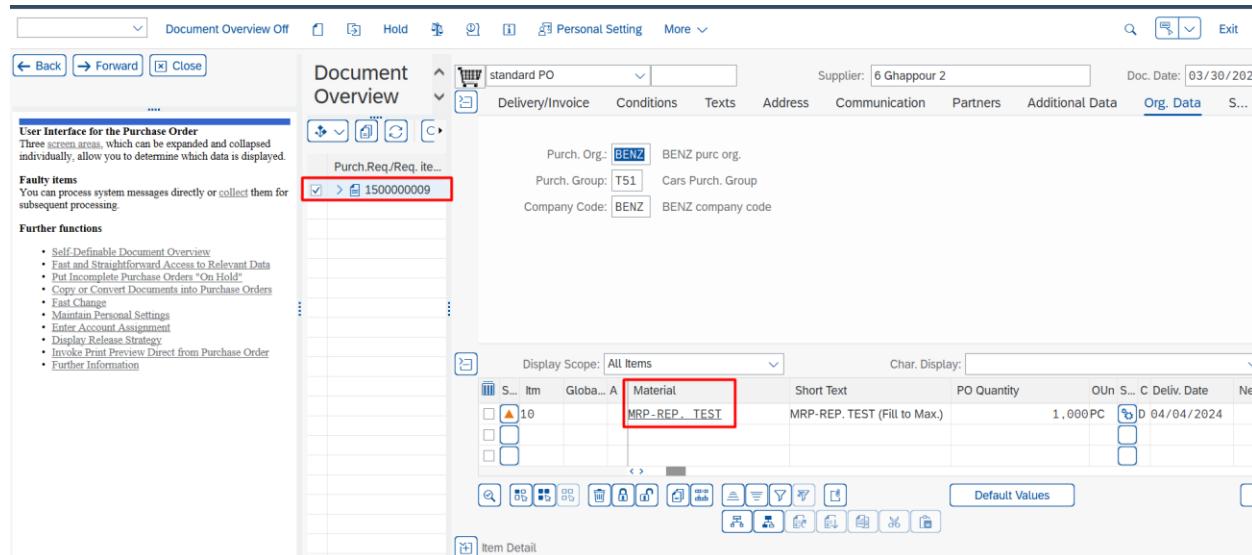
MMBE >> no stock update yet.



The screenshot shows the SAP Stock Overview: Basic List screen. The top navigation bar indicates "Stock Overview: Basic List". The selection criteria for the material "MRP-REP..TEST" are displayed, including material type (CAR), unit of measure (PC), and base unit of measure (PC). The "Stock Overview" section shows the current stock status for this material. A red box highlights the "Detailed Display" button at the top of the overview table.

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consgt ordered	Stck trans.(pInt)	Transfer (SLoc)	GR Bloc...
Full									
BENZ BENZ company code									

ME21N >> PR to PO



User Interface for the Purchase Order
Three screen areas, which can be expanded and collapsed individually, allow you to determine which data is displayed.

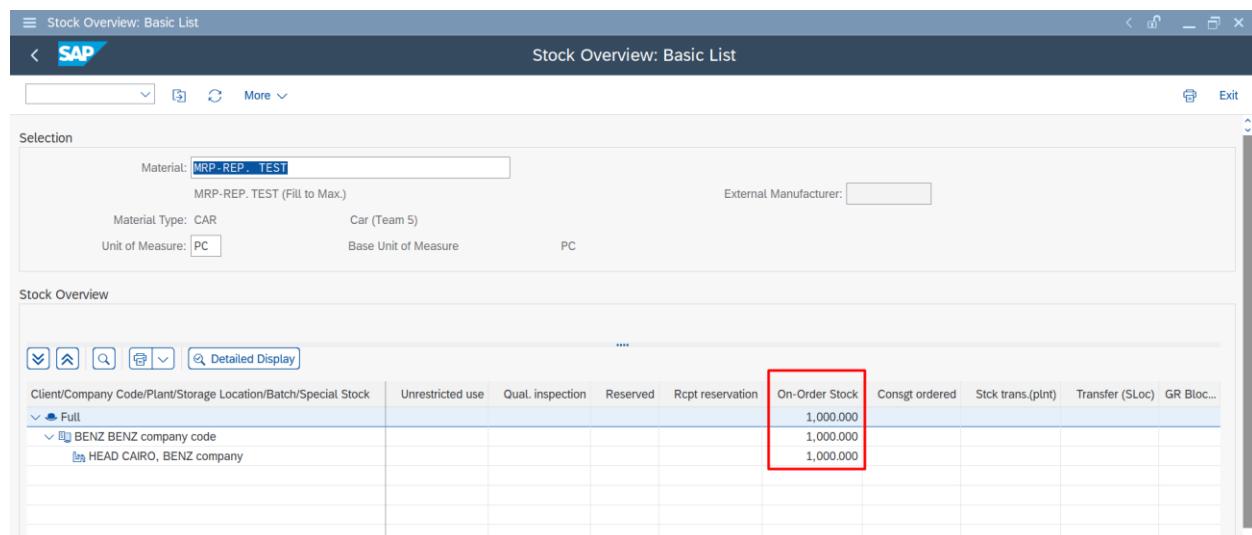
Faulty Items
You can process system messages directly or collect them for subsequent processing.

Further functions

- Self-Definable Document Overview
- Fast and Straightforward Access to Relevant Data
- Put Incomplete Purchase Orders "On Hold"
- Copy or Convert Documents into Purchase Orders
- Fast Change
- Maintain Personal Settings
- Enter Account Assignment
- Display Release Strategy
- Invoke Print Preview Direct from Purchase Order
- Further Information

PO Doc. No. 4500002042

MMBE has a stock update as a result of the PO doc.



Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consgt ordered	Stck trans.(pint)	Transfer (SLoc)	GR Bloc...
Full					1,000.000				
BENZ BENZ company code					1,000.000				
HEAD CAIRO, BENZ company					1,000.000				

Migo >> GR +PO 101 >> Doc. No. 5000002439

Goods Receipt Purchase Order 4500002042 - SAP06

Document Date:	03/30/2024	Delivery Note:		Supplier:	Ghappour 2
Posting Date:	03/30/2024	Bill of Lading:		HeaderText:	
		<input type="checkbox"/> Individual Slip			
Line	Mat. Short Text	W. OK	Qty in UnE	EUn SLoc	Stock Segment
1	MRP-REP. TEST (Fill to Max.)	<input type="checkbox"/>	1,000	PC Abo Rwash StLoc	Batch
Valuation Type M... 101					
<input type="button" value="Delete"/> <input type="button" value="Contents"/> <input type="button" value="Print"/> <input type="button" value="Print All"/> <input type="button" value="Print Preview"/>					
Material Quantity Where Purchase Order Data Partner Movement Type: 101 Stock type: Unrestricted-Use Plant: CAIRO, BENZ company HEAD <input type="button" value="Print"/> Storage Location: Abo Rwash StLoc SCA1					

Stock is updated from “on-order stock” to “Unrestricted Stock.”

Stock Overview: Basic List

Material:	MRP-REP. TEST	MRP-REP. TEST (Fill to Max.)	External Manufacturer:
Material Type:	CAR	Car (Team 5)	
Unit of Measure:	PC	Base Unit of Measure	PC
Stock Overview			
<input type="button" value="Detailed Display"/> <input type="button" value="Print"/> <input type="button" value="Print All"/> <input type="button" value="Print Preview"/>			
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved
Full	1,000,000		
BENZ BENZ company code	1,000,000	Rcpt reservation	On-Order Stock
HEAD CAIRO, BENZ company	1,000,000		
SCA1 Abo Rwash StLoc	1,000,000		

FI-Doc. Is generated.

Display Document: General Ledger View

Document Number:	5000000042	Company Code:	BENZ	Fiscal Year:	2024																																							
Document Date:	03/30/2024	Posting Date:	03/30/2024	Period:	3																																							
Reference:		Cross-Comp.No.:		Texts Exist:	<input type="checkbox"/>																																							
Currency:	EGP	Ledger Group:																																										
Data Entry View																																												
Document Number: 5000000042 Company Code: BENZ Fiscal Year: 2024 Document Date: 03/30/2024 Posting Date: 03/30/2024 Period: 3 Reference: Cross-Comp.No.: Texts Exist: <input type="checkbox"/> Currency: EGP Ledger Group:																																												
Ledger OL																																												
Fiscal Year: 2024 Period: 3																																												
<input type="button" value="Print"/> <input type="button" value="Print All"/> <input type="button" value="Print Preview"/>																																												
<table border="1"> <thead> <tr> <th>Co</th> <th>Item</th> <th>L.Item</th> <th>Key SC Account</th> <th>G/L Account Name</th> <th>Description</th> <th>Amount Crcy</th> <th>Local Crcy Amt</th> <th>LCurr</th> <th>Tx</th> <th>Cost Center</th> <th>Profit Center</th> <th>Trs</th> </tr> </thead> <tbody> <tr> <td>BENZ</td> <td>1</td> <td>000001</td> <td>89</td> <td>5001</td> <td>car inventory</td> <td>10,000.00 EGP</td> <td>10,000.00</td> <td>EGP</td> <td></td> <td></td> <td></td> <td>BSX</td> </tr> <tr> <td></td> <td>2</td> <td>000002</td> <td>96</td> <td>5010</td> <td>GR/IR</td> <td>10,000.00- EGP</td> <td>10,000.00-</td> <td>EGP</td> <td>DUMMY</td> <td>DUMMY</td> <td></td> <td>WRX</td> </tr> </tbody> </table>						Co	Item	L.Item	Key SC Account	G/L Account Name	Description	Amount Crcy	Local Crcy Amt	LCurr	Tx	Cost Center	Profit Center	Trs	BENZ	1	000001	89	5001	car inventory	10,000.00 EGP	10,000.00	EGP				BSX		2	000002	96	5010	GR/IR	10,000.00- EGP	10,000.00-	EGP	DUMMY	DUMMY		WRX
Co	Item	L.Item	Key SC Account	G/L Account Name	Description	Amount Crcy	Local Crcy Amt	LCurr	Tx	Cost Center	Profit Center	Trs																																
BENZ	1	000001	89	5001	car inventory	10,000.00 EGP	10,000.00	EGP				BSX																																
	2	000002	96	5010	GR/IR	10,000.00- EGP	10,000.00-	EGP	DUMMY	DUMMY		WRX																																

We will try to run it again after a Goods Issue >> Doc. No. 4900000050

Display Document: General Ledger View

Ledger OL

Co	Item	L.Item	Key SC Account	G/L Account Name	Description	Amount Crcy	Local Crcy Amt	LCurr	Tx	Cost Center	Profit Center	Trs
BENZ	1	000001	99	5001	car inventory	6.000,00- EGP	6.000,00	EGP				BSX
	2	000002	81	5011	consumption car	6.000,00 EGP	6.000,00	EGP	DUMMY	DUMMY		GBB

Stock Update

Stock Overview: Basic List

Selection

Material:	MRP-REP.. TEST	External Manufacturer:
Material Type:	CAR	Car (Team 5)
Unit of Measure:	PC	Base Unit of Measure

Stock Overview

Client/Company Code/Storage Location/Batch/Special Stock	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consgt ordered	Stck trans.(plnt)	Transfer (SLoc)	GR Bloc...
Full	400,000								
BENZ BENZ company code	400,000								
HEAD CAIRO, BENZ company	400,000								
SCA1 Abo Rwash StLoc	400,000								

Now, we will run the MRP form MD02 >> The Expected result is an automatically generated PR with 600 – 50 (safety stock) to fill up to a maximum of 1000 of stock.

Stock/Requirements List as of 12:08 hrs

Material: MRP-REP.. TEST

Description: MRP-REP. TEST (Fill to Max.)

MRP Area: HEAD CAIRO, BENZ company

Plant: HEAD MRP type: V1 Material type: CAR Unit: PC

A... Date	MRP el...	MRP element data	Rescheduling... E...	Receipt/Reqmt	Available Qty
03/30/2024	Stock				400
03/30/2024	SafeSt	Safety Stock			350
04/04/2024	PurRqs	1500000010/00010			600
					950

Then we can continue the same cycle as PO with reference to PR, then GR + PO.



3rd Scenario: Lot to Lot size “Exact Lot Size”

Create Material with lot size procedure “EX”:

Make initial stock (GR +Other + 561) with quantity “263.” Then, we will run the MRP on this material:

MIGO >> Doc. No. 4900007936

Stock Overview: “MMBE”

- Now, the stock is under the Reorder Point.
- The Expected result from the MRP run from “MD02” is creating 1-PR with the Quantity = 300 (Reorder point) – 263 (Current Stock) “including the Safety stock”
- 300(reorder stock) -253 (Current Stock) - 10 (safety stock) = 37 pc.



MRP Run: "MD02"

We can simulate the result of the MRP if we need to check the result before the MRP runs by checking the checkbox simulation mode >> Enter.

Single-Item, Multi-Level

Plant: HEAD

Scope of Planning

MRP Control Parameters

Processing Key:	NETCH	Net Change in Total Horizon
Create Purchase Req.:	1	Purchase requisitions in opening period
SA Deliv. Sched. Lines:	3	Schedule lines
Create MRP List:	1	MRP list
Planning mode:	1	Adapt planning data (normal mode)

Scheduling: * 1 Determination of Basic Dates for Planned

Process Control Parameters

<input type="checkbox"/> Also Plan Unchanged Components
<input type="checkbox"/> Display Results Prior to Saving
<input checked="" type="checkbox"/> Display material list
<input checked="" type="checkbox"/> Simulation mode

Planning Result: Material List

Material: MRP-EX LOT TEST MRP EX lot test

MRP Area: HEAD CAIRO, BENZ company

Plant: HEAD CAIRO, BENZ company

Selected Results

Valid from date	Material	MRP Area	Material Description	MRPCn	N	1	2	3	4	5	6	7	8	StckDS	1st RDS	2nd R	Plant ...	BUn	Safe... Reord...	MTyp	PT	SP	A...	MR...	M...	Cde
<input checked="" type="checkbox"/>	MRP-EX LOT TEST	HEAD	MRP EX lot test	005		<input checked="" type="checkbox"/>	1							999.9	999.9	999.9	263	PC	10	300CAR	F	0000	V1	999		

The simulation's result is as expected. >> We can save the result as an actual run or run again without simulation.

Planning Result: Individual Lines

Material: MRP-EX LOT TEST MRP EX lot test

MRP Area: HEAD CAIRO, BENZ company

Plant: HEAD MRP Type: V1 Material type: CAR Base Unit: PC

A...	Date	MRP e...	MRP element data	Rescheduling...	E...	Rec./reqd qt...	Avail. Quantity	E...	Delay
<input checked="" type="checkbox"/>	03/31/2024	Stock					263		0
<input checked="" type="checkbox"/>	03/31/2024	SafeSt	Safety Stock				253		0
<input checked="" type="checkbox"/>	04/04/2024	PurRqs	1500000013/00010	01	10-	37	290		0

MD02 >> MRP Run.

Single-Item, Multi-Level

Statistics

Materials planned	1
Materials with New Exceptions	1
Materials with Termination MRP List	

Parameters

MRP Area	HEAD
Plnt	HEAD
Processing Key	NETCH
Create Purchase Requisition	1
SA Schedule Line	3
Create MRP List	1
Planning Mode	1
Scheduling	1

Database Statistics

Purchase requisitions created	1
-------------------------------	---

Single-Item, Multi-Level

Planning Mode

Scheduling	1
------------	---

Database Statistics

Purchase requisitions created	1
-------------------------------	---

Runtime Statistics

Start of Planning Run	06:21:04
End of Planning Run	06:21:05
Runtime	00:00:01

Ranking List of Materials with Highest CPU Times (in ms)

Material	MRP Area	Plnt			
Runtime	Read	Net Calc.	BOM	LdTimeSched	Update
MRP-EX LOT TEST	HEAD	HEAD			
280	18	40	0	0	73

MD04 >> MRP List

Stock/Requirements List as of 04:21 hrs

Stock/Requirements List as of 04:21 hrs

Material: MRP-EX LOT TEST

Description: MRP EX lot test

MRP Area: HEAD

Plant: HEAD

MRP type: V1

Material type: CAR

Unit: PC

Date: 03/31/2024 Stock

03/31/2024 SafeSt Safety Stock 10- 253

04/04/2024 PurRqs 150000014/00010 37 290

Then, we can run the same cycle as the previous cycles.