

SAP MM/WM Configuration Pack

Warehouse Management

Published by Team of SAP
Consultants at SAPTOPJOBS

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1. Define Warehouse Number

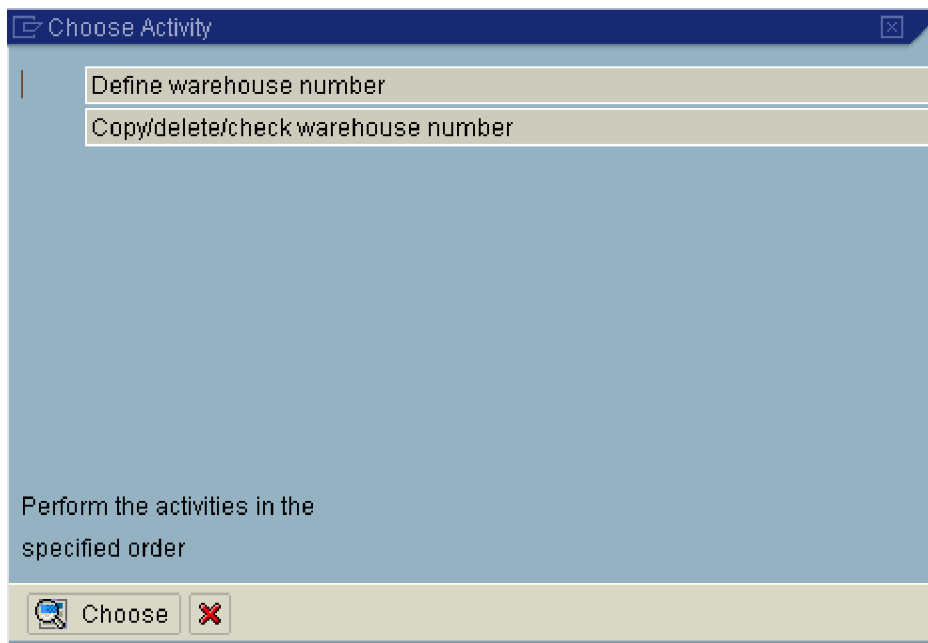
BACKGROUND

This configuration setting enables us to define the Warehouse number. Warehouse number uniquely identifies the warehouse in the plant.

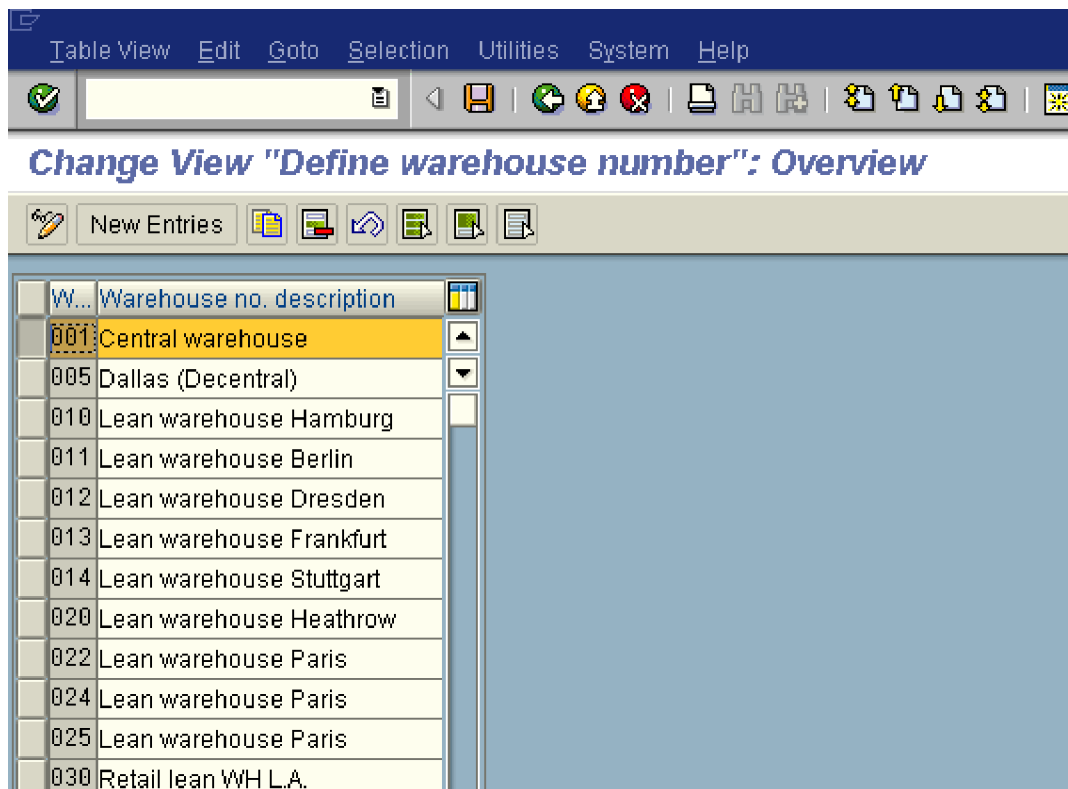
INSTRUCTIONS

Follow the Menu Path: IMG → Enterprise Structure → Definition → Logistics Execution → Define, Copy, Delete, Check Warehouse number

1. Click 

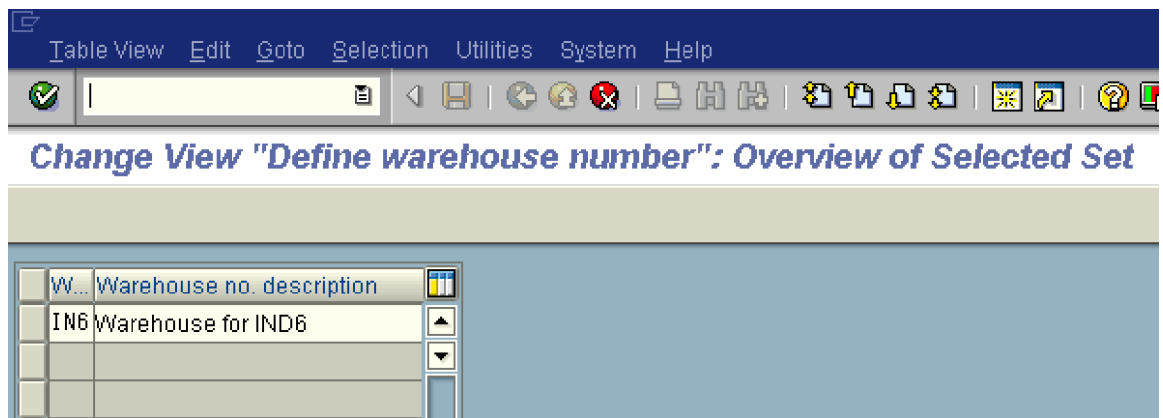


2. Double click Define warehouse number



3. Select the row

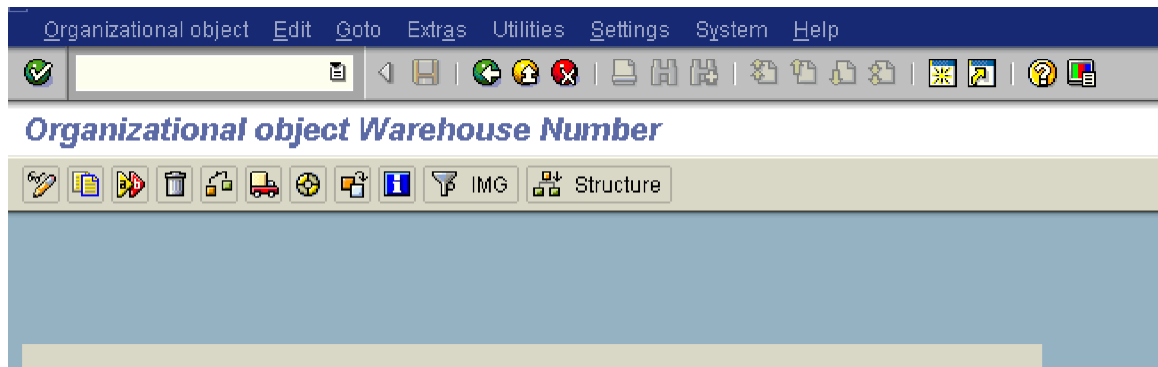
4. Click 



5. Click 

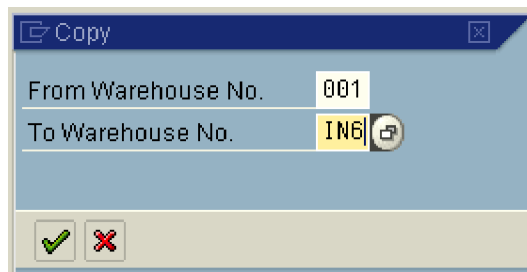
6. Click 

7. double click



8. Click 

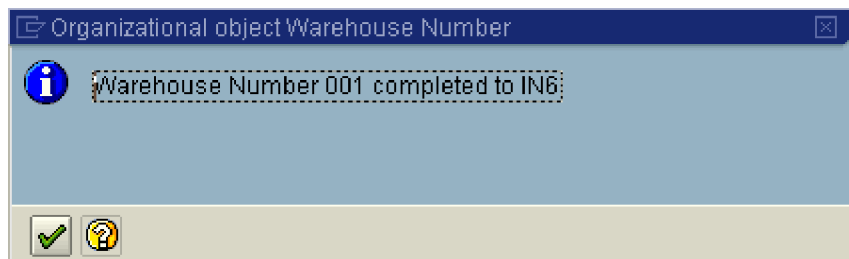
9. Enter from and To warehouse number as shown below.



10. Click 

11. Click Yes

12. Message will appear after completion of copying



13. Click 

14. Click 

Effect of this configuration

Warehouse number defined here is used throughout the warehouse management module

2. Assign Warehouse Number to Plant/Storage Location

BACKGROUND

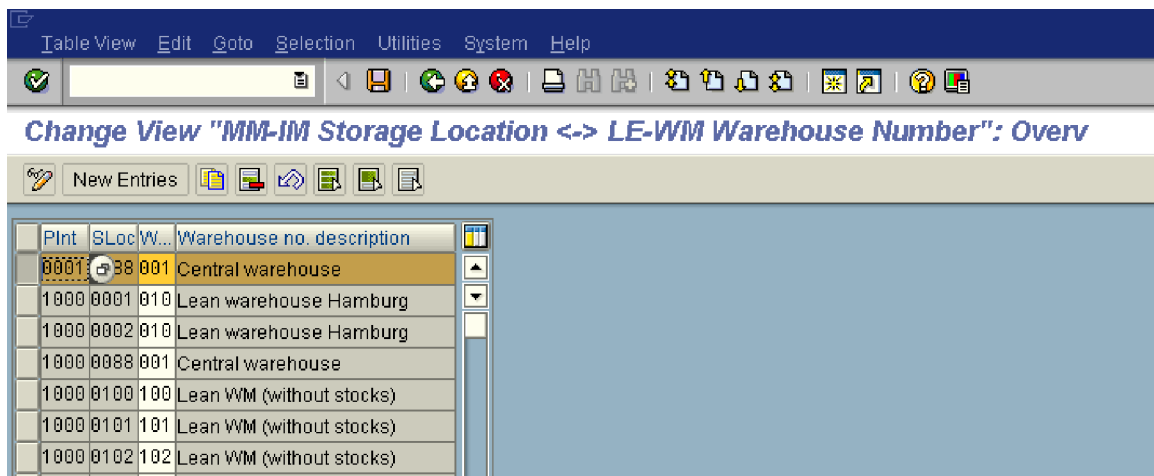
This configuration setting enables to assign the warehouse number to Plant and storage location.

Each warehouse has to be assigned to plant and storage location. More than one storage location can be assigned to a warehouse number.

INSTRUCTIONS

Follow the Menu Path: IMG → Enterprise Structure → Assignment → Logistics Execution → Assign Warehouse number to Plant/Storage location

1. Click 

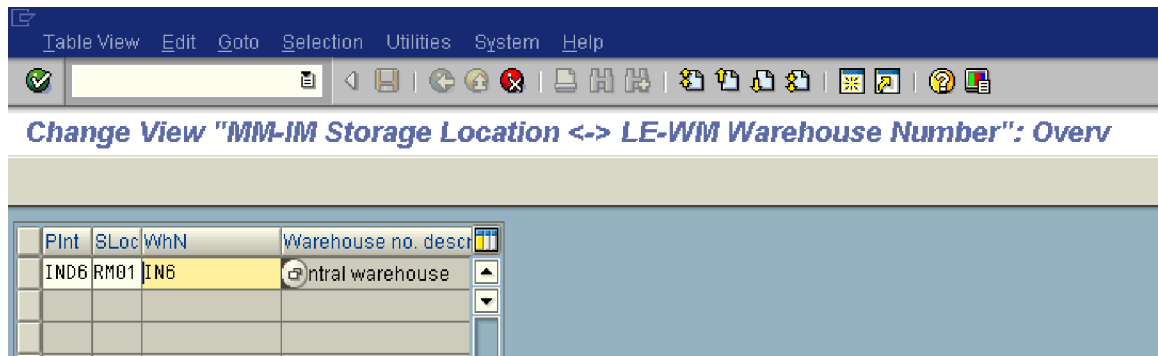


The screenshot shows the SAP IMG configuration screen titled "Change View 'MM-IM Storage Location <-> LE-WM Warehouse Number': Overview". The table below lists the configuration entries.

Plant	Storage Location	Warehouse no.	Warehouse description
0001	0001	001	Central warehouse
1000	0001	010	Lean warehouse Hamburg
1000	0002	010	Lean warehouse Hamburg
1000	0088	001	Central warehouse
1000	0100	100	Lean WM (without stocks)
1000	0101	101	Lean WM (without stocks)
1000	0102	102	Lean WM (without stocks)

1. Click 

2. Maintain the entries as shown below



3. Click 

4. Click 

5. Click 

Effect of this configuration

Plant IND6 and storage location RM01 are assigned to this warehouse number.

3. Define control parameter for warehouse

BACKGROUND

This configuration setting enables to define the control parameter for warehouse number.

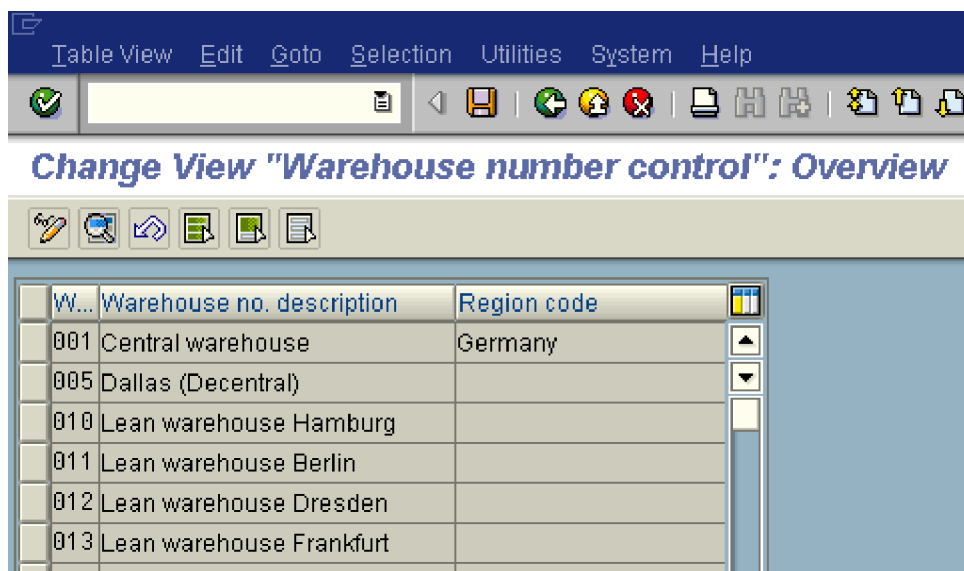
Control parameter governs


- Default Unit Of Measure for Weight and Volume
- Blocking of bin for simultaneous access
- Message control

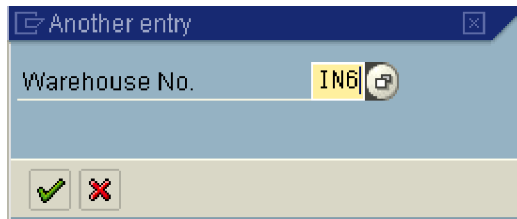
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Define control parameter for warehouse Number

1. Click 





2. Click  at the bottom
3. Enter warehouse number as IN6



Another entry

Warehouse No.

☐ ☐

4. click 
5. Select the row by clicking grey box in the left
6. Click 

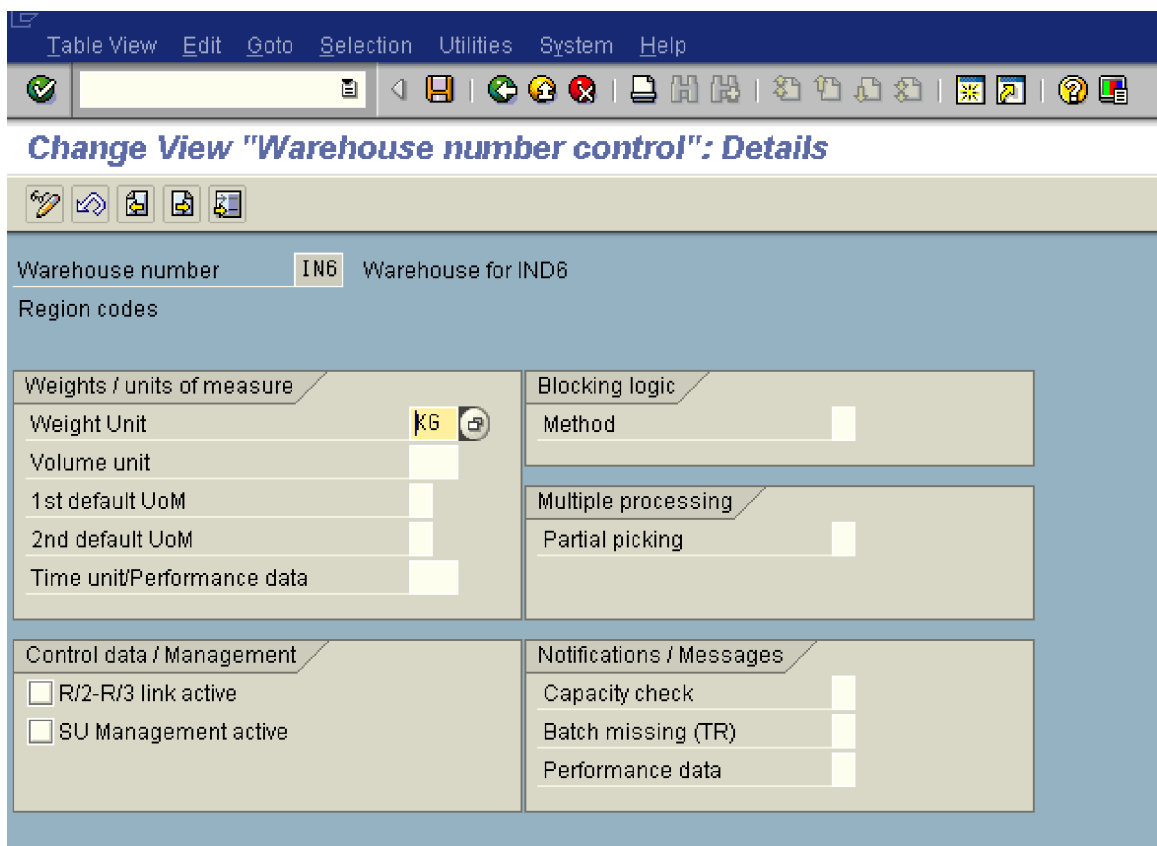


Table View Edit Goto Selection Utilities System Help

Change View "Warehouse number control": Details

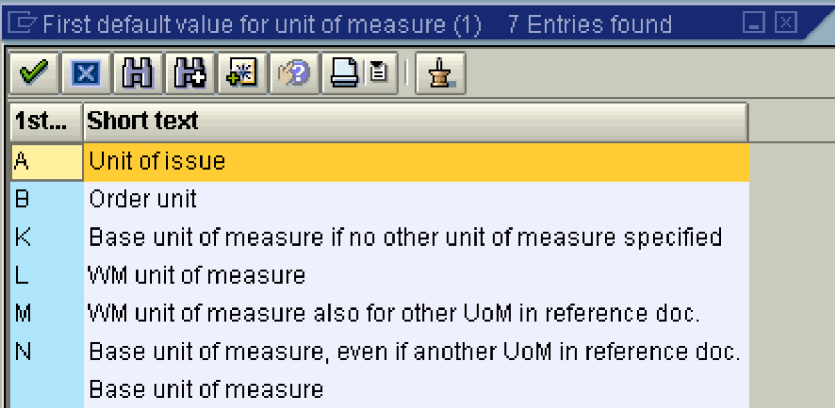
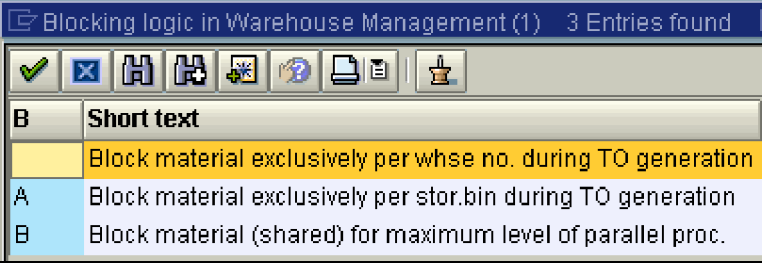
Warehouse number Warehouse for IND6

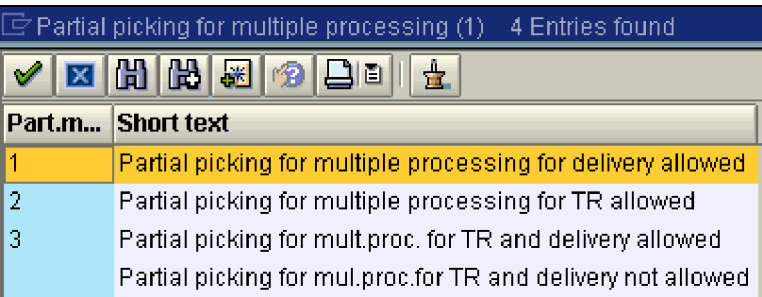
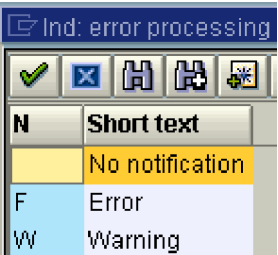
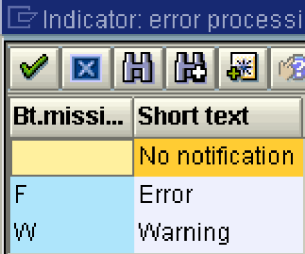
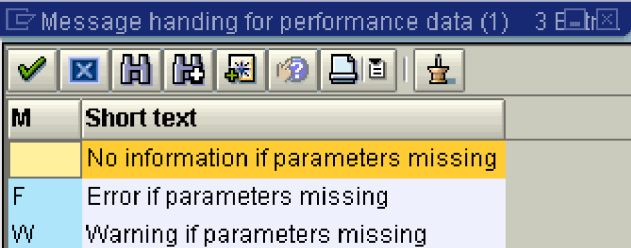
Region codes

Weights / units of measure Weight Unit <input type="text" value="KG"/> Volume unit <input type="text"/> 1st default UoM <input type="text"/> 2nd default UoM <input type="text"/> Time unit/Performance data <input type="text"/>	Blocking logic Method <input type="text"/> Multiple processing Partial picking <input type="text"/>
Control data / Management <input type="checkbox"/> R/2-R/3 link active <input type="checkbox"/> SU Management active	Notifications / Messages Capacity check <input type="text"/> Batch missing (TR) <input type="text"/> Performance data <input type="text"/>

7. Maintain the field as explained below

Field Name	Field description and Value
Weight Unit	Weight will be managed in this UOM

	maintained here in the warehouse.
Volume unit	Volume will be managed in this UOM maintained here in the warehouse.
1st default UoM	<p>First alternate UOM to be used as a default in the warehouse. Following are the possible entries.</p> 
2nd default UoM	Second alternate UOM to be used as a default in the warehouse.
<input type="checkbox"/> SU Management active	Tick in this check box indicates storage unit is active. Storage unit is the logical grouping of one or more material.
Blocking logic Method	<p>Permission to multiple users to access the same material and same bin at any given time. Possible entries are</p> 
Multiple processing Partial picking	Control to handle Material shortage for quantities to pick during Transfer Order generation by multiple users. Possible entries are

	
Capacity check	<p>During stock placement, capacity check of storage bin carried out by the system. This field indicates the message control in case of capacity shortage. Possible entries are</p> 
Batch missing (TR)	<p>System message control for missing batch number during transfer requirement creation. Possible entries are</p>  <p>Note: - Batches can be determined during posting transaction also.</p>
Performance data	<p>Message control to handle the missing parameters during TO.</p> 

8. Click 

Effect of this configuration

Warehouse number control parameters are picked up from the configuration done here.

4. Define Number Ranges

BACKGROUND

This configuration setting enables to define the number range.

In WM number ranges are required for

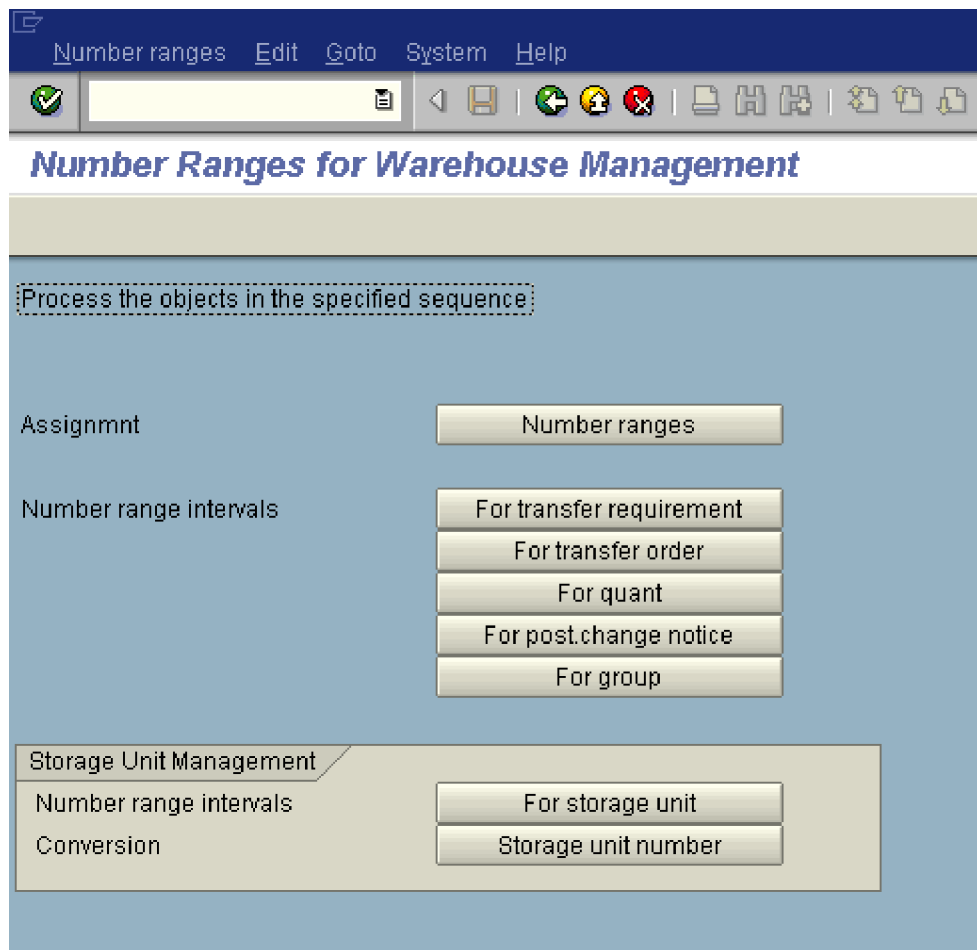
- Transfer Requirement
- Transfer Order
- Quant
- Posting change
- Group
- Storage Unit

Each number range is warehouse specific. Let us look at the number range for Transfer order for understanding.

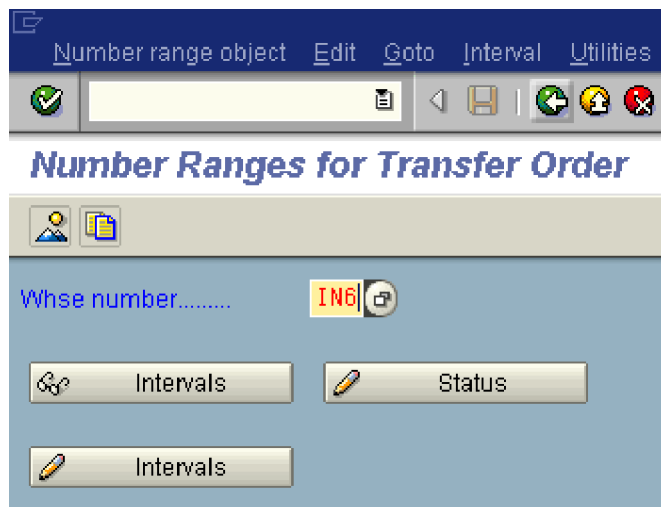
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Define Number Ranges

1. Click 




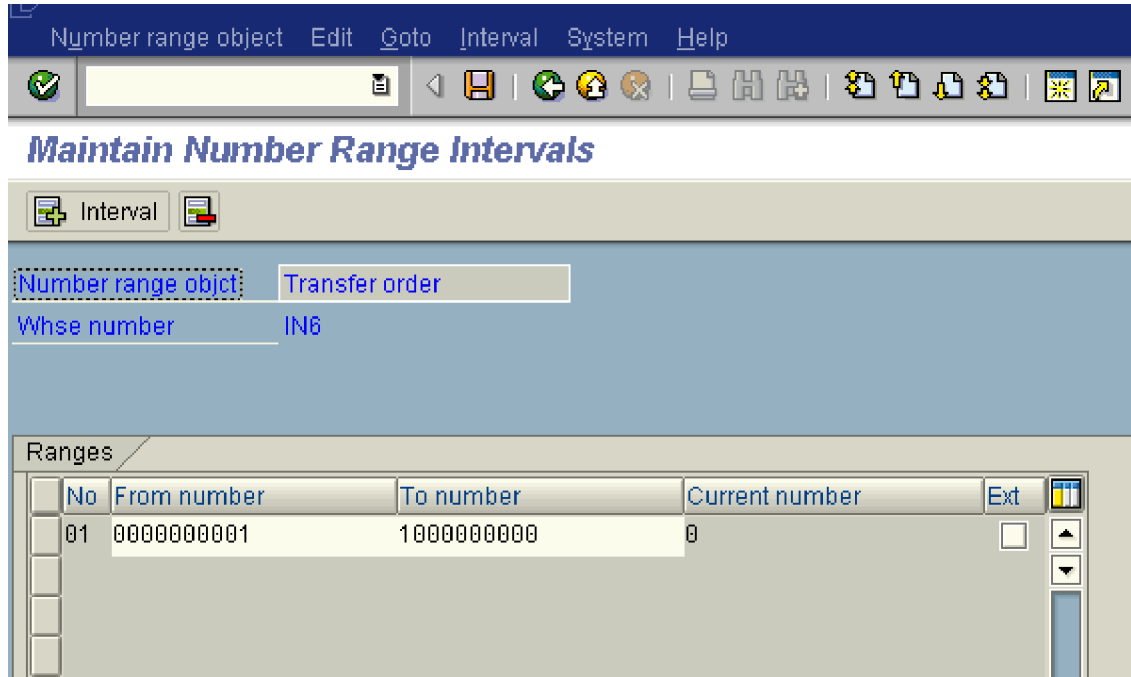
2. Click 



3. Enter Warehouse number. E.g. IN6 in this case

4. Click  Intervals to change the interval

Note: - Number ranges can be copied by clicking  in this screen.



Maintain Number Range Intervals

Interval

Number range object: Transfer order

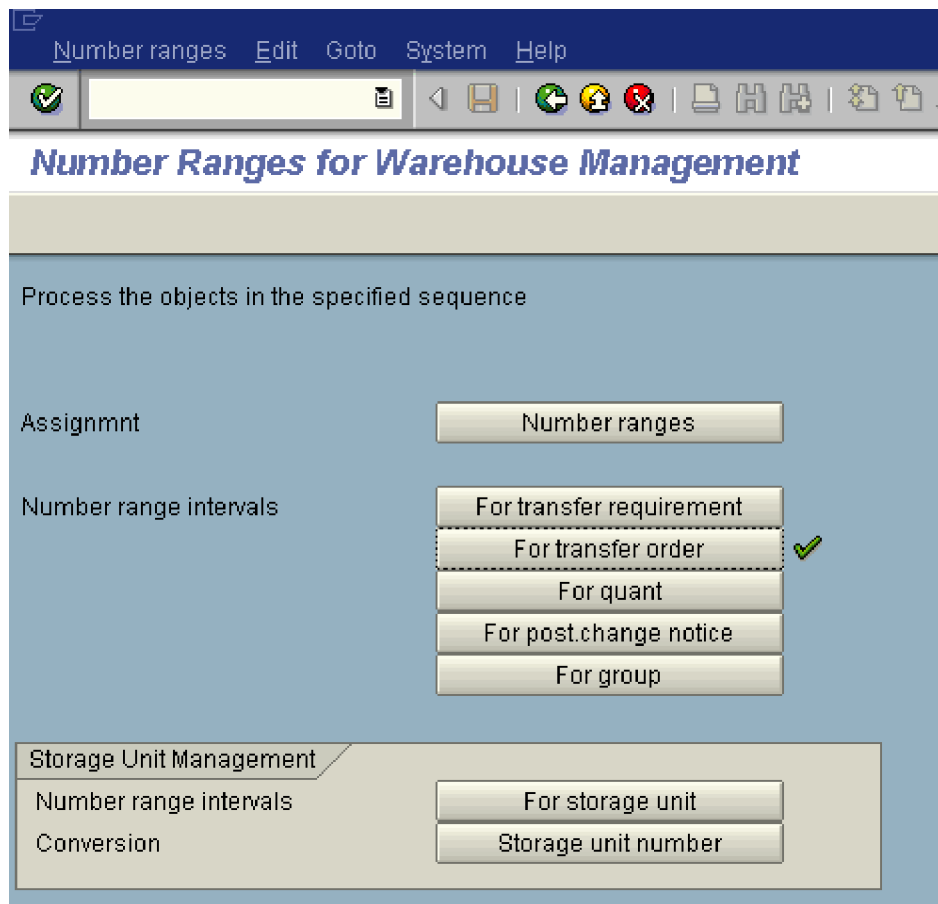
Whse number: IN6

No	From number	To number	Current number	Ext
01	0000000001	1000000000	0	

Note: - New number ranges can be added by clicking



5. Click  two times



Now, let us look at how to assign the number ranges.

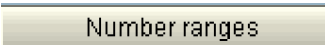
6. Click 

Table View Edit Goto Selection Utilities System Help

Change View "Number Ranges for Whse Management": Overview

WhN	NR-quant	NR-TO	NR-TR	NR-PstChg	NR Group	NR-SU	PT	Warehouse no.description
001	01	01	01	01	01	01	2	Central warehouse
005								Dallas (Decentral)
010		01			01			Lean warehouse Hamburg
011		01			01			Lean warehouse Berlin
012		01			01			Lean warehouse Dresden
013		01			01			Lean warehouse Frankfurt
014		01			01			Lean warehouse Stuttgart
020		01			01			Lean warehouse Heathrow
022		01			01			Lean warehouse Paris
024		01			01			Lean warehouse Paris
025		01			01			Lean warehouse Paris
030		01			01			Retail lean WH L.A.
033	01	01	01	01	01	01	2	Retail WH Oakland
035		01			01			Lean WM (without stocks)
036								
037	01	01	01	01	01	01	2	Retail WH Oakland
038		01			01			Lean warehouse Paris



Position... Entry 1 of 102

7. Click  Position...

8. Enter warehouse number

Another entry

Warehouse No.

9. Click 

10. Maintain the number range as shown below

Table View Edit Goto Selection Utilities System Help

Change View "Number Ranges for Whse Management": Overview

WhN	NR-quant	NR-TO	NR-TR	NR-PstChg	NR Group	NR-SU	PT	Warehouse no.description
IN6	01	01	01	01	01	01	2	Warehouse for IND6
VS1	01	01	01	01	01	01	2	Central warehouse VSMV

Note: - Number range 01 is assigned to each transaction process.

11. Click 

12. Click 

5. Define Storage type

BACKGROUND

This configuration setting enables to define the Storage Type.

Storage type indicates the type of storage to be used within a warehouse. Storage type can be

- Vertical storage
- Rack storage
- Open storage

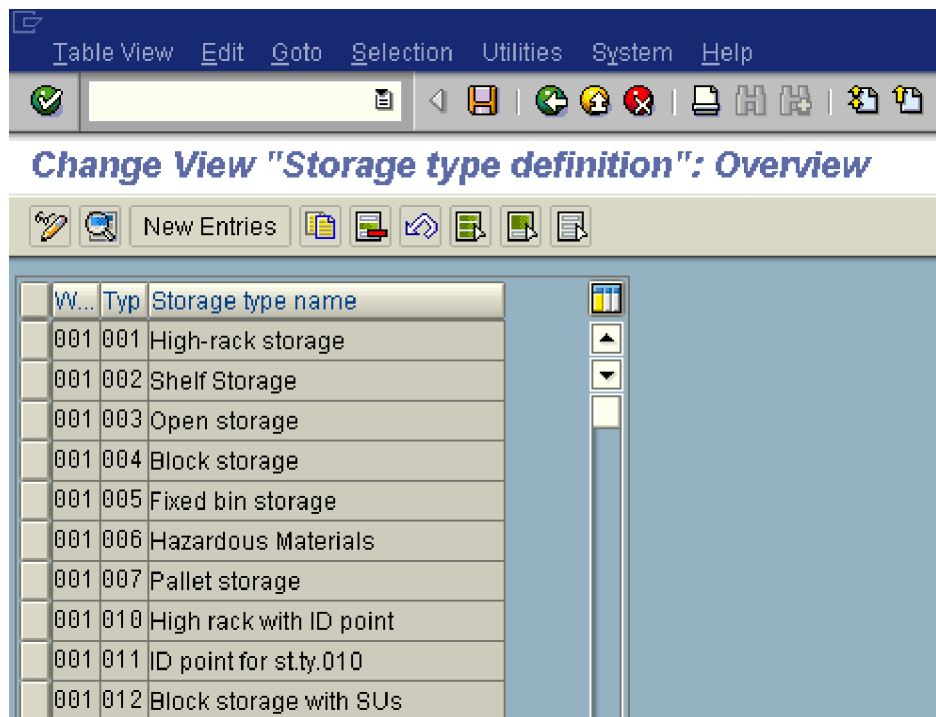
Storage type does not have any address like storage location; inside the storage type inventory is placed in storage bin.

Note: - Storage type with number greater than 900 series are SAP standard used for communicating with Inventory Management.

INSTRUCTIONS

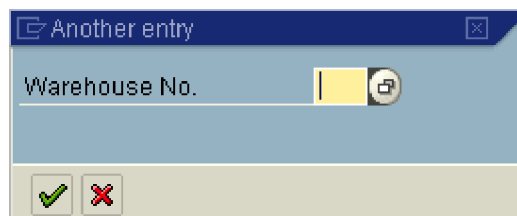
Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Define Storage Types

1. Click 



2. Click  **Position...**

3. Enter warehouse number



4. Click 


Table View Edit Goto Selection Utilities System Help

Change View "Storage type definition": Overview

New Entries

W...	Typ	Storage type name
IN6 001		High-rack storage
IN6 002		Shelf Storage
IN6 003		Open storage
IN6 004		Block storage
IN6 005		Fixed bin storage
IN6 006		Hazardous Materials
IN6 007		Pallet storage
IN6 010		High rack with ID point
IN6 011		ID point for st.ty.010
IN6 012		Block storage with SUs
IN6 013		Pick point for st.ty.012
IN6 020		Tank pallet
IN6 035		Packed Materials
IN6 100		Production supply
IN6 150		Kanban
IN6 200		Intermed.zone 2-step pck.
IN6 901		GR Area for Production
IN6 902		GR Area External Rcpts
IN6 904		Returns
IN6 910		GI Area General
IN6 911		GI Area for Cost Center
IN6 912		GI Area Customer Order
IN6 913		GI Area - Fixed Assets

Position... Entry 2,605 of 2,672

Press  to look at more in the next page

	IN6 914	GI Area Production Orders
	IN6 915	Fixed Bin Picking Area
	IN6 916	Shipping Area Deliveries
	IN6 917	Quality Assurance
	IN6 920	Stock Transfers (Plant)
	IN6 921	Stock Transfers (StLoc)
	IN6 922	Posting Change Area
	IN6 925	Stock Transfers (StLoc)
	IN6 980	R/3 --> R/2 cumulative
	IN6 998	Init. entry of stock bal.
	IN6 999	Differences

5. By default values are copied --correct

6. Double click any required row. E.g. first row here in this case.

IN6 001	High-rack storage
---------	-------------------

Table View Edit Goto Selection Utilities System Help

Change View "Storage type definition": Details

New Entries

Whse number IN6 Warehouse for IND6 ☐ SU mgmt active

Storage type 001 High-rack storage ☐ Stor.type is ID pnt

☐ Stor.type is pck pnt

Stock placement control

Putaway strategy L

☒ Stock plcmt requires confirmation Capacity check method ☐ Act.capac.

Dst bin ch. during confirm ☐ ☒ SUT check active

Mixed storage ☐ ☐ Storage sec. check active

Addn to stock ☐ Block upon stock plcmt ☐

☐ Retain overdeliveries Assigned ID point stor. type ☐

Mail control ☐ ☐ User exit act.

Stock removal control

Stck removal strategy F

☒ Stock rmvl requires confirmation ☐ Propose post. change at storage bin

☐ Allow negative stock Block upon stock rmvl ☐

☒ Full stk rmvl reqmt act. Assigned pick point stor. ty. ☐

☒ Return stock to same storage bin Return storage type ☐

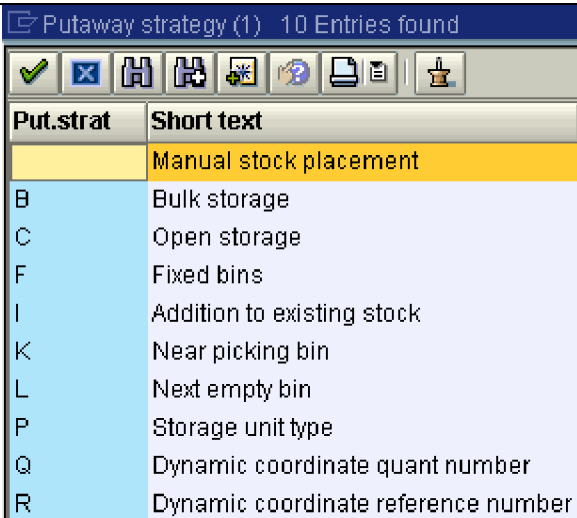
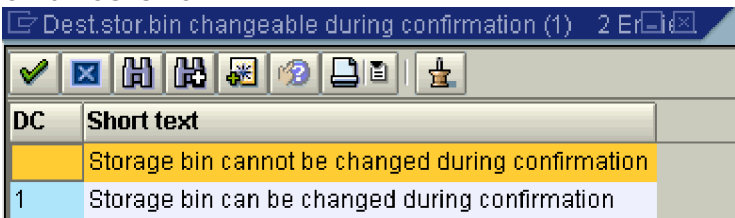
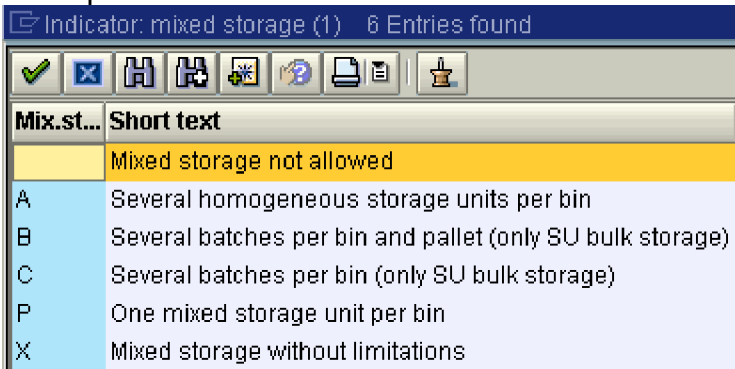
☐ Execute zero stock check ☐ User exit active

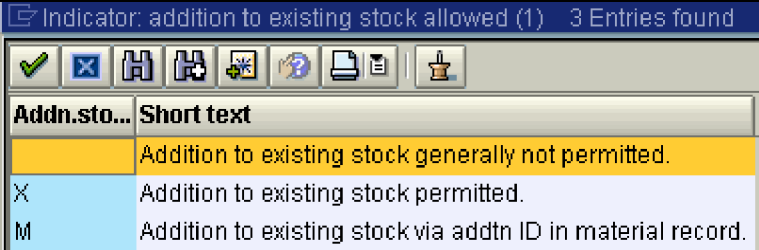
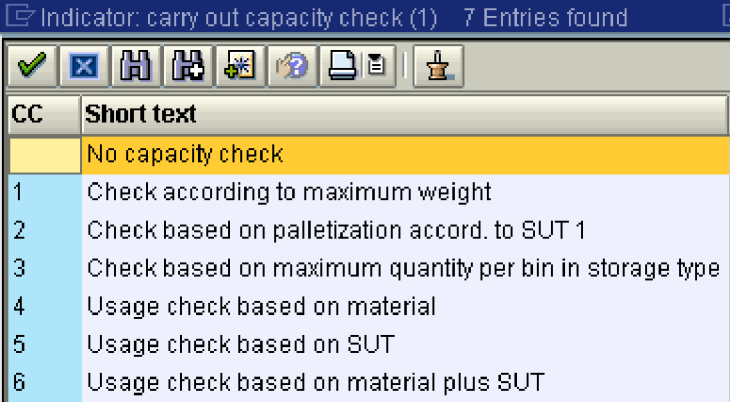
☐ Round off qty

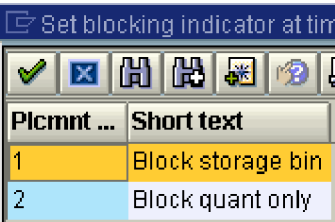
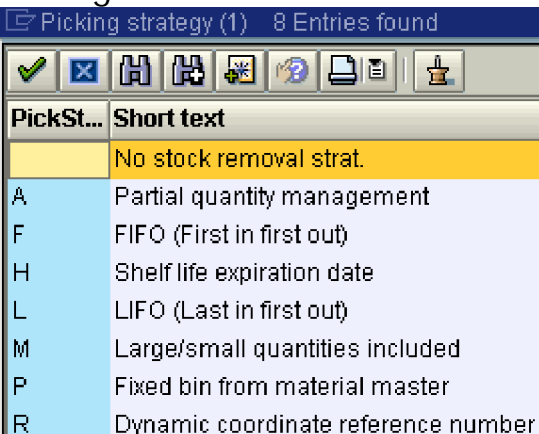
HU picking control ☐

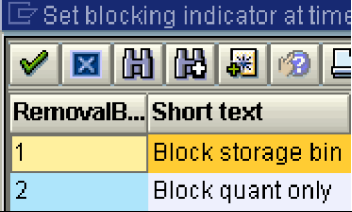
7. Maintain the field as explained below

Field Name	Field description and value
Putaway strategy	Procedure to search the suitable bin within the storage type automatically by the system during placing the material. Possible entries are

	 <p>Putaway strategy (1) 10 Entries found</p> <table><thead><tr><th>Put.strat</th><th>Short text</th></tr></thead><tbody><tr><td></td><td>Manual stock placement</td></tr><tr><td>B</td><td>Bulk storage</td></tr><tr><td>C</td><td>Open storage</td></tr><tr><td>F</td><td>Fixed bins</td></tr><tr><td>I</td><td>Addition to existing stock</td></tr><tr><td>K</td><td>Near picking bin</td></tr><tr><td>L</td><td>Next empty bin</td></tr><tr><td>P</td><td>Storage unit type</td></tr><tr><td>Q</td><td>Dynamic coordinate quant number</td></tr><tr><td>R</td><td>Dynamic coordinate reference number</td></tr></tbody></table>	Put.strat	Short text		Manual stock placement	B	Bulk storage	C	Open storage	F	Fixed bins	I	Addition to existing stock	K	Near picking bin	L	Next empty bin	P	Storage unit type	Q	Dynamic coordinate quant number	R	Dynamic coordinate reference number
Put.strat	Short text																						
	Manual stock placement																						
B	Bulk storage																						
C	Open storage																						
F	Fixed bins																						
I	Addition to existing stock																						
K	Near picking bin																						
L	Next empty bin																						
P	Storage unit type																						
Q	Dynamic coordinate quant number																						
R	Dynamic coordinate reference number																						
<input checked="" type="checkbox"/> Stock plcmnt requires confirmation	When placing the stock in this storage type, Transfer Order must be confirmed.																						
Dst bin ch. during confirm	Changeability of destination bin while confirming the transfer order. Possible entries are  <p>Dest.stor.bin changeable during confirmation (1) 2 Entries found</p> <table><thead><tr><th>DC</th><th>Short text</th></tr></thead><tbody><tr><td></td><td>Storage bin cannot be changed during confirmation</td></tr><tr><td>1</td><td>Storage bin can be changed during confirmation</td></tr></tbody></table>	DC	Short text		Storage bin cannot be changed during confirmation	1	Storage bin can be changed during confirmation																
DC	Short text																						
	Storage bin cannot be changed during confirmation																						
1	Storage bin can be changed during confirmation																						
Mixed storage	Several quants can be stored in a bin of this storage type. Quants are the lowest units in the warehouse. For each material, batch and bin quants exists. Possible entries are  <p>Indicator: mixed storage (1) 6 Entries found</p> <table><thead><tr><th>Mix.st...</th><th>Short text</th></tr></thead><tbody><tr><td></td><td>Mixed storage not allowed</td></tr><tr><td>A</td><td>Several homogeneous storage units per bin</td></tr><tr><td>B</td><td>Several batches per bin and pallet (only SU bulk storage)</td></tr><tr><td>C</td><td>Several batches per bin (only SU bulk storage)</td></tr><tr><td>P</td><td>One mixed storage unit per bin</td></tr><tr><td>X</td><td>Mixed storage without limitations</td></tr></tbody></table>	Mix.st...	Short text		Mixed storage not allowed	A	Several homogeneous storage units per bin	B	Several batches per bin and pallet (only SU bulk storage)	C	Several batches per bin (only SU bulk storage)	P	One mixed storage unit per bin	X	Mixed storage without limitations								
Mix.st...	Short text																						
	Mixed storage not allowed																						
A	Several homogeneous storage units per bin																						
B	Several batches per bin and pallet (only SU bulk storage)																						
C	Several batches per bin (only SU bulk storage)																						
P	One mixed storage unit per bin																						
X	Mixed storage without limitations																						
Addn to stock	This indicates the mixing of stock (batch and material combination) in a bin of specific storage type. Possible entries are																						

	
<input type="checkbox"/> Retain overdeliveries	This indicator allows the over delivery quantity either to be retained at the receiving storage area or to be returned to the source storage area.
Capacity check method	<p>Indicates the capacity checking method for storage bin in this storage type. Possible entries are</p> 
<input type="checkbox"/> Act.capac.	Tick in this check box activates the capacity check. In strategies B, I and F It has no effect, automatically capacity check is performed in those strategies.
<input checked="" type="checkbox"/> SUT check active	<p>Tick in this check box activates the storage unit type requirement in this storage type. It is a kind of grouping of similar storage equipments like pallet and basket. If auto TO is required do not tick this check box.</p> <p>If it is ticked, before creating the TO, storage unit details has to be maintained in the TR to create TO.</p>
<input checked="" type="checkbox"/> Storage sec. check active	Tick in this check box will include the storage section for the stock placement.
Block upon stock plcmnt	Quants and storage bin can be blocked

	<p>during stock placement. Possible entries are</p> 
<input type="checkbox"/> User exit act.	To activate user exit. To have own stock placement strategy at storage type level.
Picking strategy	<p>Strategy to remove the stock from the storage bin. Possible entries are</p> 
<input checked="" type="checkbox"/> Stock rmvl requires confirmation	Tick in this check box requires mandatory confirmation of transfer orders during stock removal.
<input type="checkbox"/> Allow negative stock	Tick in this check box will allow the negative stock in the storage type.
<input checked="" type="checkbox"/> Full stk rmvl reqmt act.	If this check box is ticked, in the respective storage type bin, entire stock must be removed irrespective of the required quantity.
<input checked="" type="checkbox"/> Return stock to same storage bin	If any excess stock is removed, it can be placed back into the same storage bin.
<input type="checkbox"/> Execute zero stock check	If this check box is ticked, zero stock check is performed by the system. Once it is performed, it will be used only for stock placement.
<input type="checkbox"/> Round off qty	If this check box is ticked, it will allow to round off the picking quantities during transfer order. Material master record

	must contain the rounding off value for a storage type. It is useful with strategy M.
Block upon stock rmvl	<p>Control on block during stock removal. Possible entries are</p> 

Click 

Click 

Effect of this configuration

While performing the stock placement and stock removal at the appropriate storage type, system will perform according to the configurations maintained here.

6. Define Storage Sections

BACKGROUND

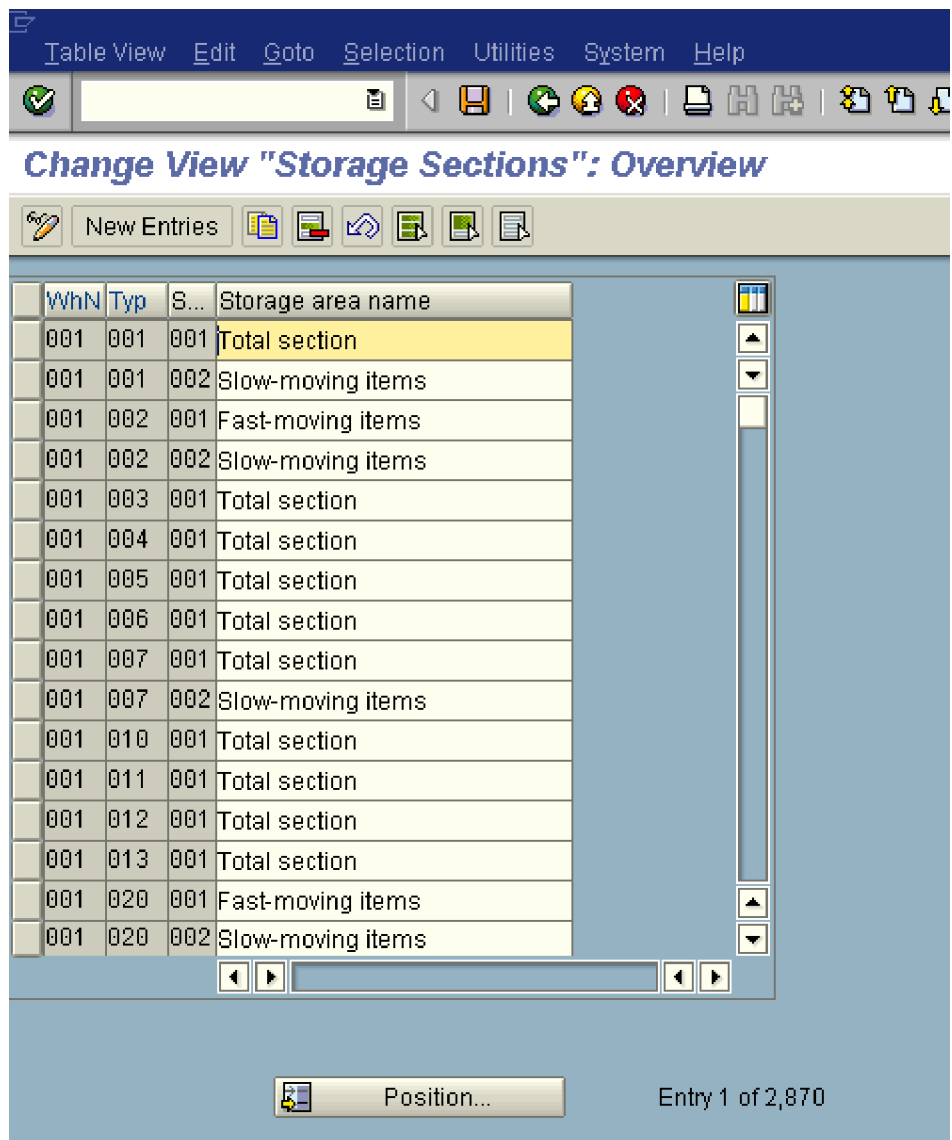
This configuration setting enables to define the storage sections.

Storage section is the logical or physical separation of area in the ware house.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Define Storage Sections

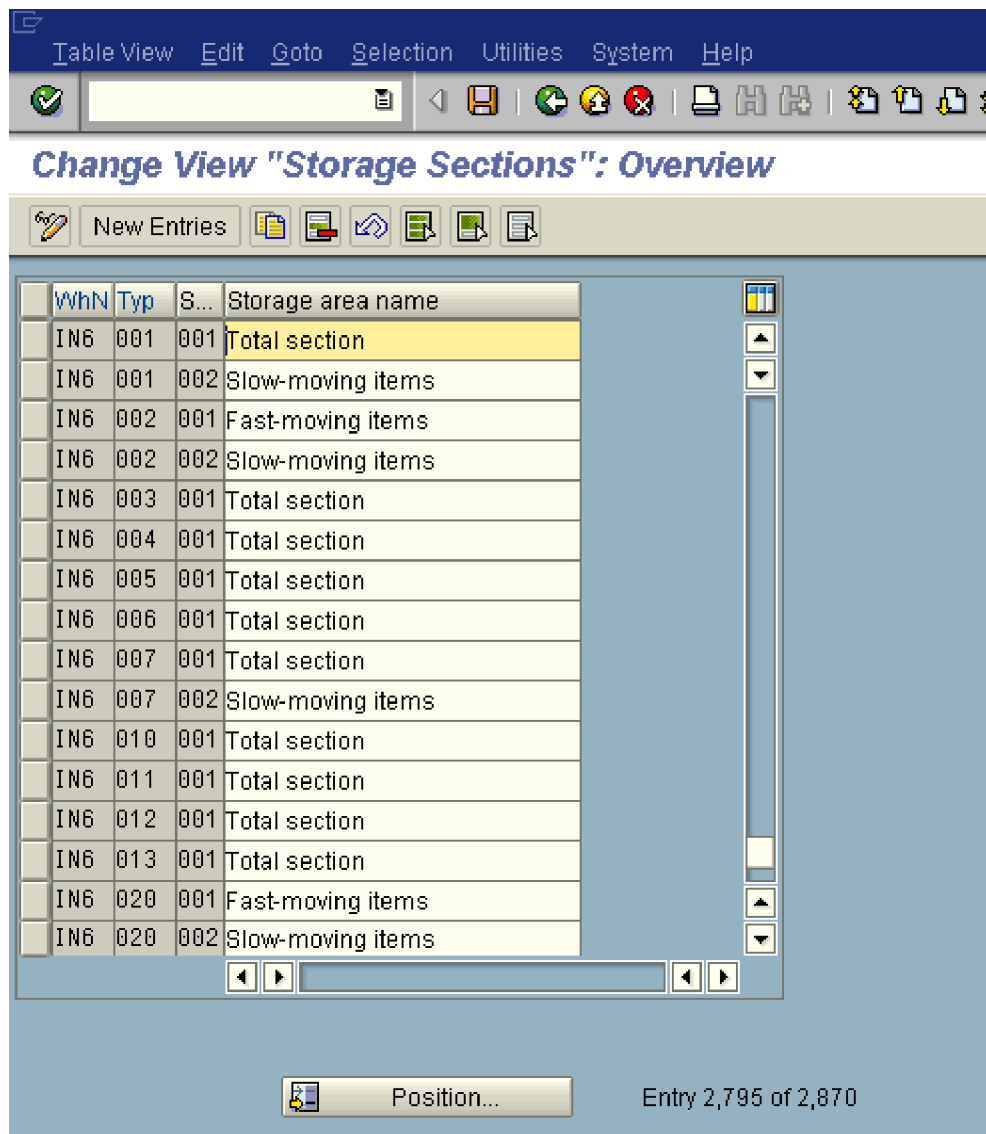
1. Click 



2. Click  Position...

3. Enter warehouse number. E.g. IN6

4. Click 



Click 

Click 

Effect of this configuration

Storage section will be sued during transaction as per the configuration settings done here.

7. Define Picking Area

BACKGROUND

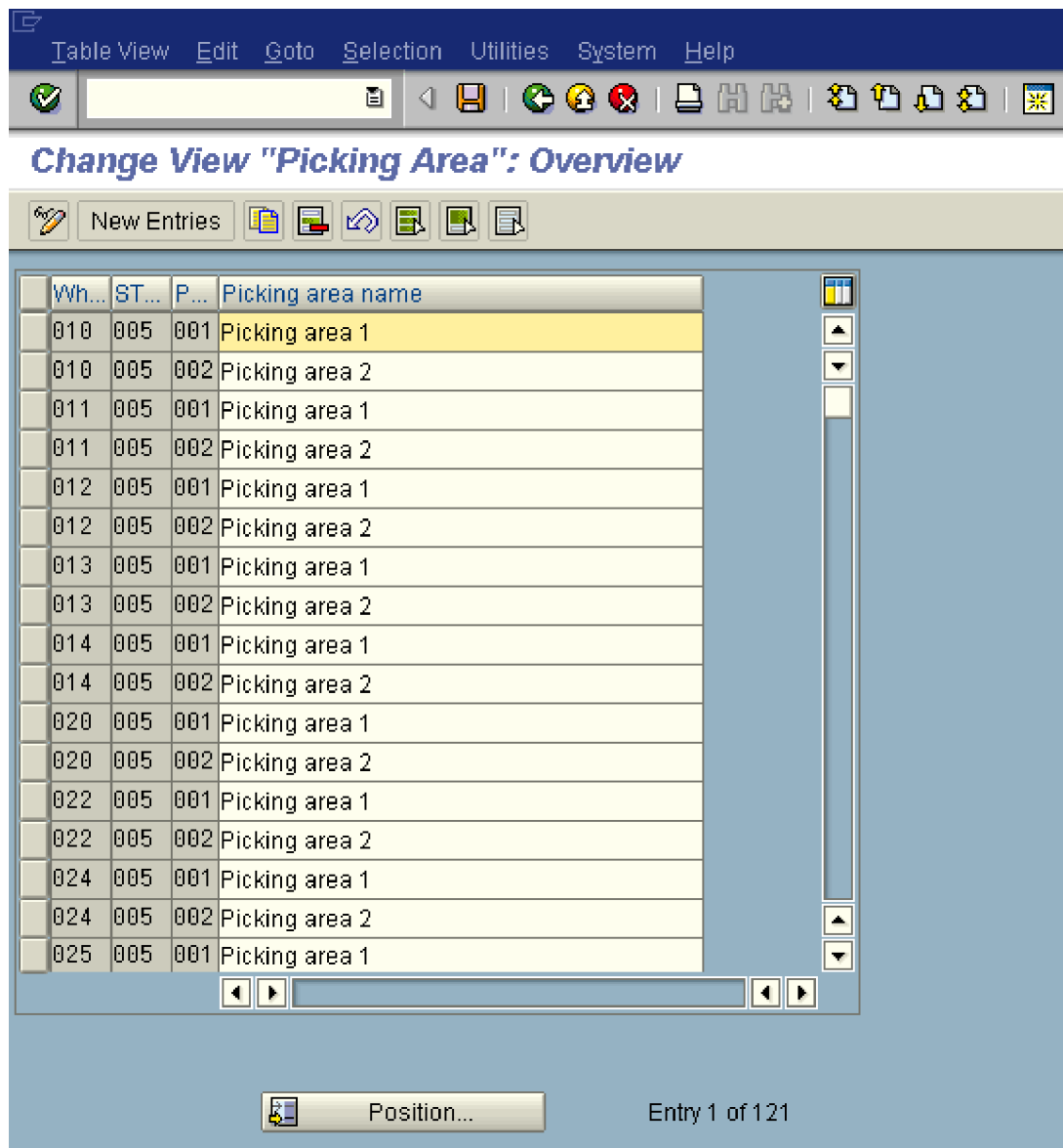
This configuration setting enables to define the picking area. Picking area is with in the storage type defines the group of bins.



When creating storage bins, picking area is assigned.

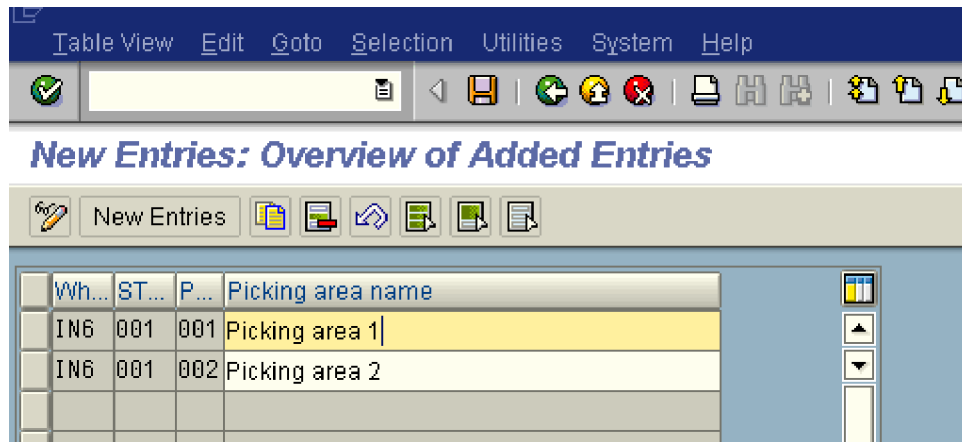
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Define Picking Areas

1. Click 



2. Click  Position...
3. Enter warehouse number
4. Click enter
5. Select any new entries. E.g. first two rows
6. Click 
7. Enter as shown below



8. Click 

9. Click 

10. Click 

Effect of this configuration

Picking area defined here will be used during the transactions.


8. Define Storage Bin Types


BACKGROUND

This configuration setting enables to define the storage bin types. Example: Storage bins can be divided based on the sized.

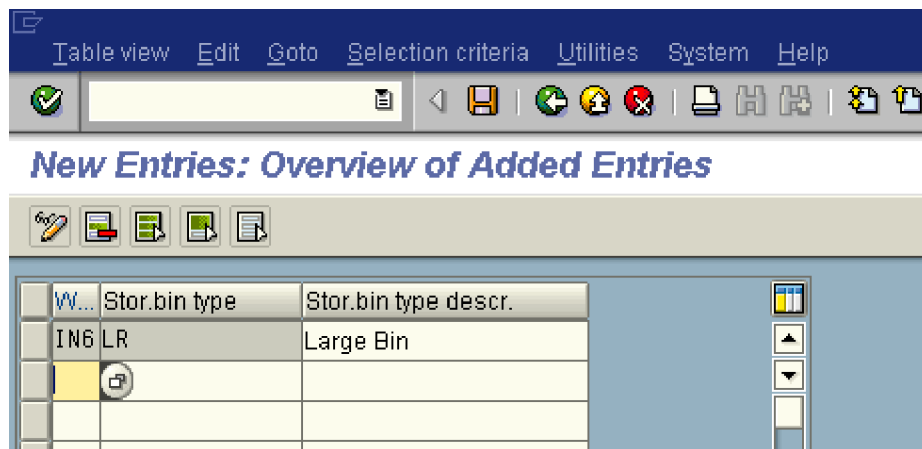
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Storage Bins → Define Storage Bin Types

1. Click 
2. Click **New Entries** to create new keys.
3. Maintain the fields as explained below

Field Name	Field description and value
 - Warehouse number	Key identifying the warehouse number. E.g. IN6
Stor.bin type	Storage bin type. E.g. LR
Stor.bin type descr.	Description of the storage bin. E.g. Large Bin

4. Click 



5. Click 

Effect of this configuration

Suitable storage bin is proposed by the system during stock placement.

9. Define Blocking Reason

BACKGROUND


This configuration setting enables to define the blocking reason.


Blocking can be used to block during stock placement and stock removal from

- Storage type
- Storage bin
- Quant

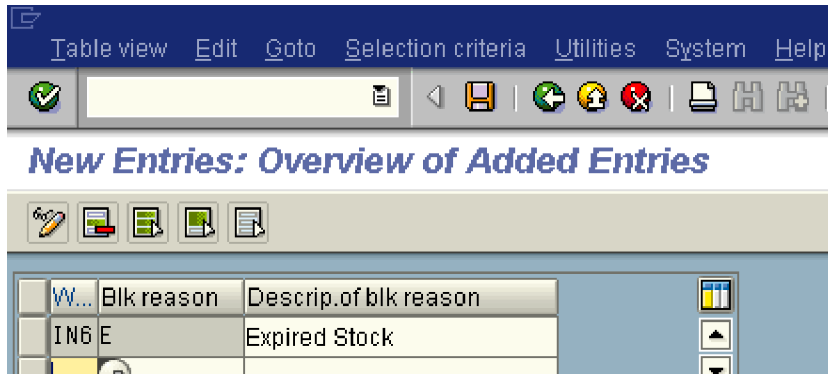
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Storage Bins → Define Blocking Reason

1. Click 
2. Click **New Entries** to create new keys.
3. Maintain the fields as explained below

Field name	Field description and value
	Key identifying the warehouse number. E.g. IN6
Blk reason	Key identifying the blocking reason. E.g. E to indicate expired stock
Descrip.of blk reason	Description of the blocking code entered in the blocking

	reason column. E.g. Expired stock.
--	------------------------------------



4. Click 

5. Click 

Effect of this configuration

Blocking reason defined here will be used to block during transaction.

10. Define storage Bin Structure

BACKGROUND

This configuration setting enables to define the storage bin structure.

Storage bin structure determines the kind of numbering of bins.

Example: -

- Bin numbering can be starting from A1
- Bin numbering can be starting from A-1-001
- Bin numbering can be starting from 1 or 001

It is possible to define the own structure for numbering the storage bins. When creating the storage bins, numbering adopted as per the structure defined here.

When creating storage bin it is important to mention storage type to which the structure is to be created.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Master Data → Storage Bins → Define Storage Structure

1. Click 

2. Click **New Entries** to create new keys.

3. Maintain the fields as explained below

Field name	Field description and value										
Whse number	Key identifying the warehouse number. E.g. IN6										
Storage type	Key identifying the storage type. E.g. 100 to create structure for production storage.										
Sequence number	Number to identify the sequence. E.g. 001										
Template	Indicates how the automatic numbering of bin is to be done. E.g. CCCNNNCCCCC to create numbering like P001 to P999										
Start value	Starting value of bin numbering. E.g. P-001. Enter as shown below <table border="1"> <tr> <td>Template</td><td>cccnncccc</td></tr> <tr> <td>Structure</td><td>AAA</td></tr> <tr> <td>Start value</td><td>P-001</td></tr> </table>	Template	cccnncccc	Structure	AAA	Start value	P-001				
Template	cccnncccc										
Structure	AAA										
Start value	P-001										
End value	End value of bin numbering. E.g. P-999. Enter as shown below. <table border="1"> <tr> <td>Template</td><td>cccnncccc</td></tr> <tr> <td>Structure</td><td>AAA</td></tr> <tr> <td>Start value</td><td>P-001</td></tr> <tr> <td>End value</td><td>P-999</td></tr> <tr> <td>Increment</td><td>1</td></tr> </table>	Template	cccnncccc	Structure	AAA	Start value	P-001	End value	P-999	Increment	1
Template	cccnncccc										
Structure	AAA										
Start value	P-001										
End value	P-999										
Increment	1										
Storage section	Key identifying the storage section under the storage type 100. e.g. 001										
Picking area	Key identifying the picking area.										
Stor. bin type	Key identifying the storage bin type.										
Maximum weight	Maximum weight a bin can accommodate.										

4. Click 

5. Through menu bar in the top follow the menu path
Environment à Create Bins



Storage bin will look as below

Storage bins Edit Goto System Help

Automatic Creation of Storage Bins

Create online Create by batch inp

Sequence number 001
 Whse number IN6 Central warehouse
 Stor.ty. 100 Production supply
 Storage section 001 Total section
 Picking area
 Bin type
 Fire-containment sect n
 Load capacity 1,000.000 KG
 Total capacity 0.000

999 Storage bins to be created					
P-001	P-002	P-003	P-004	P-005	P-006
P-007	P-008	P-009	P-010	P-011	P-012
P-013	P-014	P-015	P-016	P-017	P-018
P-019	P-020	P-021	P-022	P-023	P-024
P-025	P-026	P-027	P-028	P-029	P-030
P-031	P-032	P-033	P-034	P-035	P-036
P-037	P-038	P-039	P-040	P-041	P-042
P-043	P-044	P-045	P-046	P-047	P-048
P-049	P-050	P-051	P-052	P-053	P-054
P-055	P-056	P-057	P-058	P-059	P-060
P-061	P-062	P-063	P-064	P-065	P-066
P-067	P-068	P-069	P-070	P-071	P-072
P-073	P-074	P-075	P-076	P-077	P-078
P-079	P-080	P-081	P-082	P-083	P-084
P-085	P-086	P-087	P-088	P-089	P-090
P-091	P-092	P-093	P-094	P-095	P-096
P-097	P-098	P-099	P-100	P-101	P-102
P-103	P-104	P-105	P-106	P-107	P-108

6. for our understanding , let us change the structure as shown below

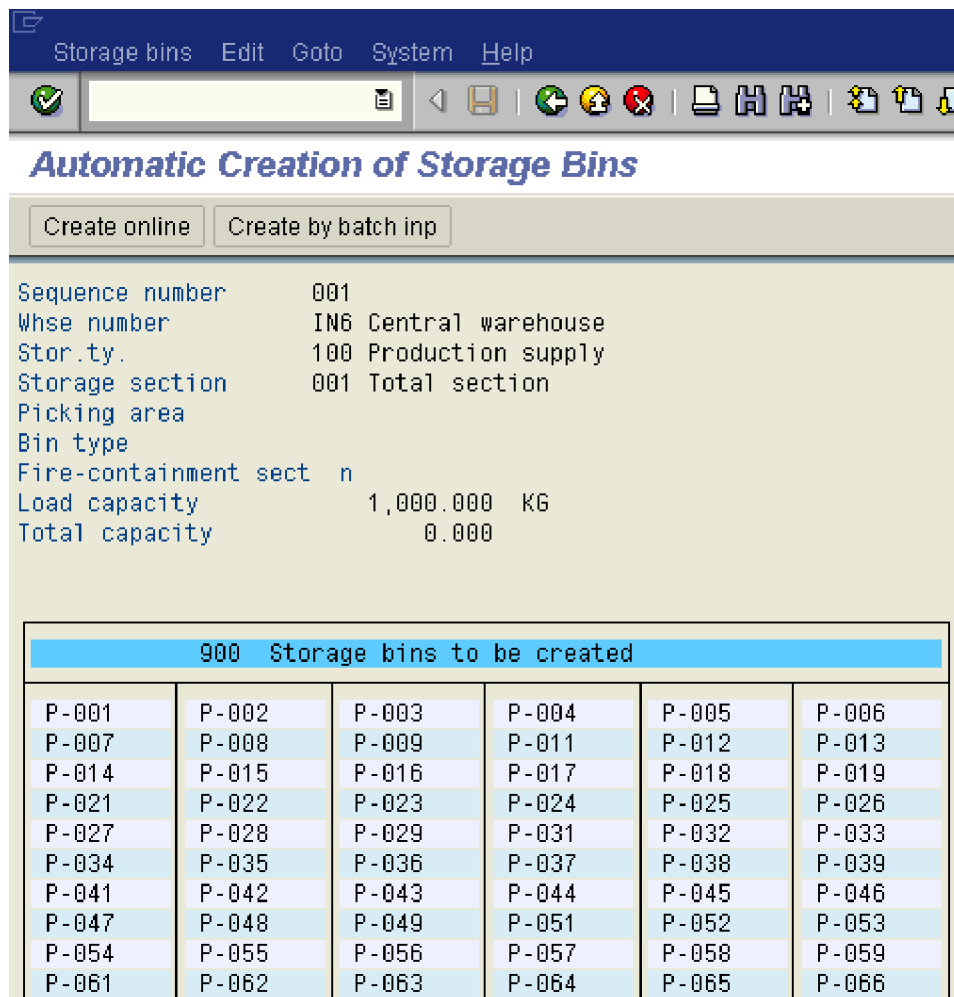
Bin definition	
Template	CCCNNNCCCC
Structure	ABC
Start value	P-001
End value	P-999
Increment	111

Enter C for Alphabet and other character in the numbering

Maintain the structure same letter under the numeric indicator if the increment is to consider all the digits and maintain the increment.

If the increment is for each digit wise, maintain the different letters in the structure and maintain the increment for each digit.

7. Repeat the step 5 Environment à Create bins



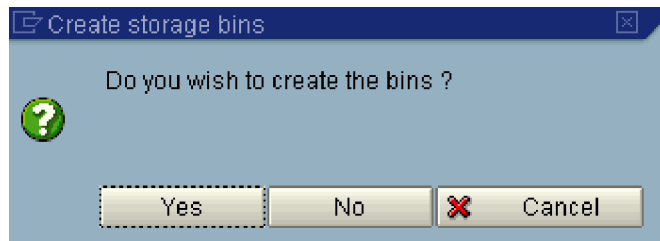
The screenshot shows the SAP 'Automatic Creation of Storage Bins' dialog box. The 'Create online' button is selected. The parameters are set as follows:

- Sequence number: 001
- Whse number: IN6 Central warehouse
- Stor.ty.: 100 Production supply
- Storage section: 001 Total section
- Picking area:
- Bin type:
- Fire-containment sect n:
- Load capacity: 1,000.000 KG
- Total capacity: 0.000

Below the parameters, a table indicates that 900 storage bins will be created, with a list of bin IDs from P-001 to P-066.

900 Storage bins to be created					
P-001	P-002	P-003	P-004	P-005	P-006
P-007	P-008	P-009	P-011	P-012	P-013
P-014	P-015	P-016	P-017	P-018	P-019
P-021	P-022	P-023	P-024	P-025	P-026
P-027	P-028	P-029	P-031	P-032	P-033
P-034	P-035	P-036	P-037	P-038	P-039
P-041	P-042	P-043	P-044	P-045	P-046
P-047	P-048	P-049	P-051	P-052	P-053
P-054	P-055	P-056	P-057	P-058	P-059
P-061	P-062	P-063	P-064	P-065	P-066

8. Click **Create online** to create bins online



9. Click 

10. Message  999 storage bins created will appear at the bottom

11. Click 

12. Click 

Effect of this configuration

Warehouse bin number will be created as per the configuration setting performed here.

11. Activate Storage Type Search

BACKGROUND

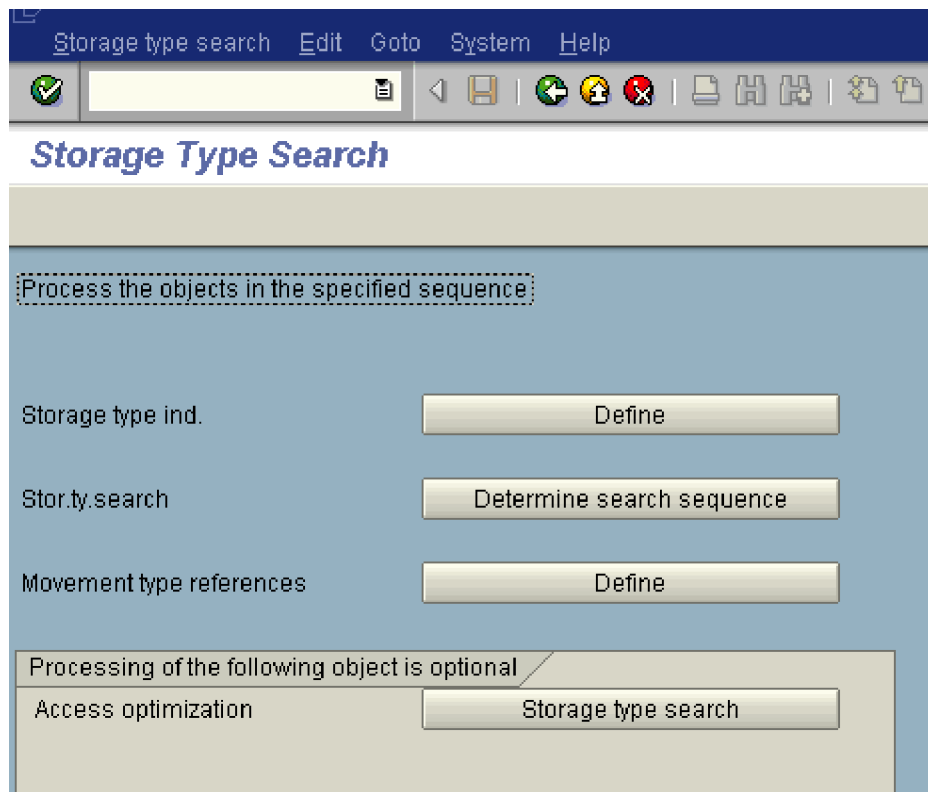
This configuration setting enables to activate storage type search. It is essential to indicate the storage type during stock placement and picking.


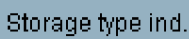
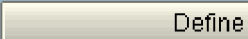
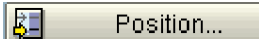

When creating the warehouse by copying, entire default required values are copied from the source warehouse setting. Let us discuss the setting for IN6 warehouse.

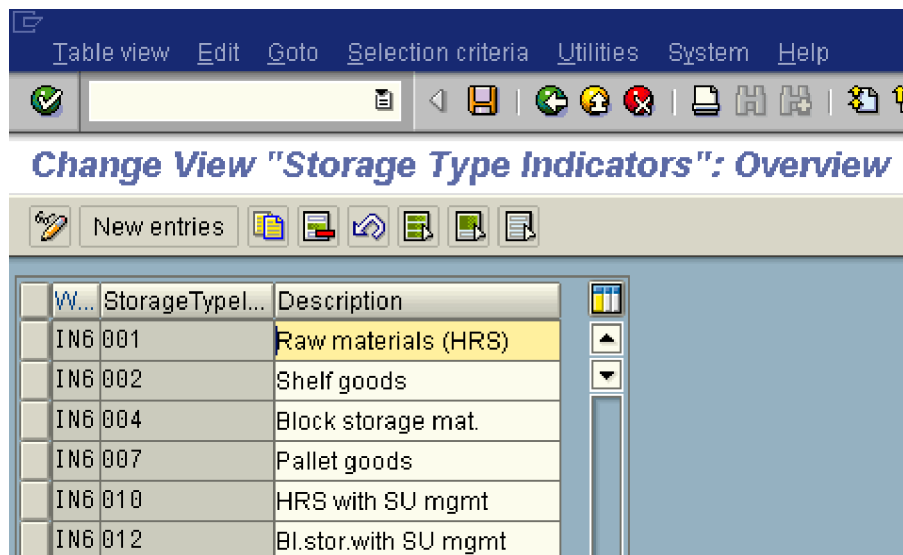
INSTRUCTIONS


Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Strategies → Activate Storage type search

1. Click 

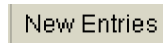


2. Click  in  
3. Click 
4. Enter warehouse number. E.g. IN6
5. Click 







6. Click  (It is already defined)

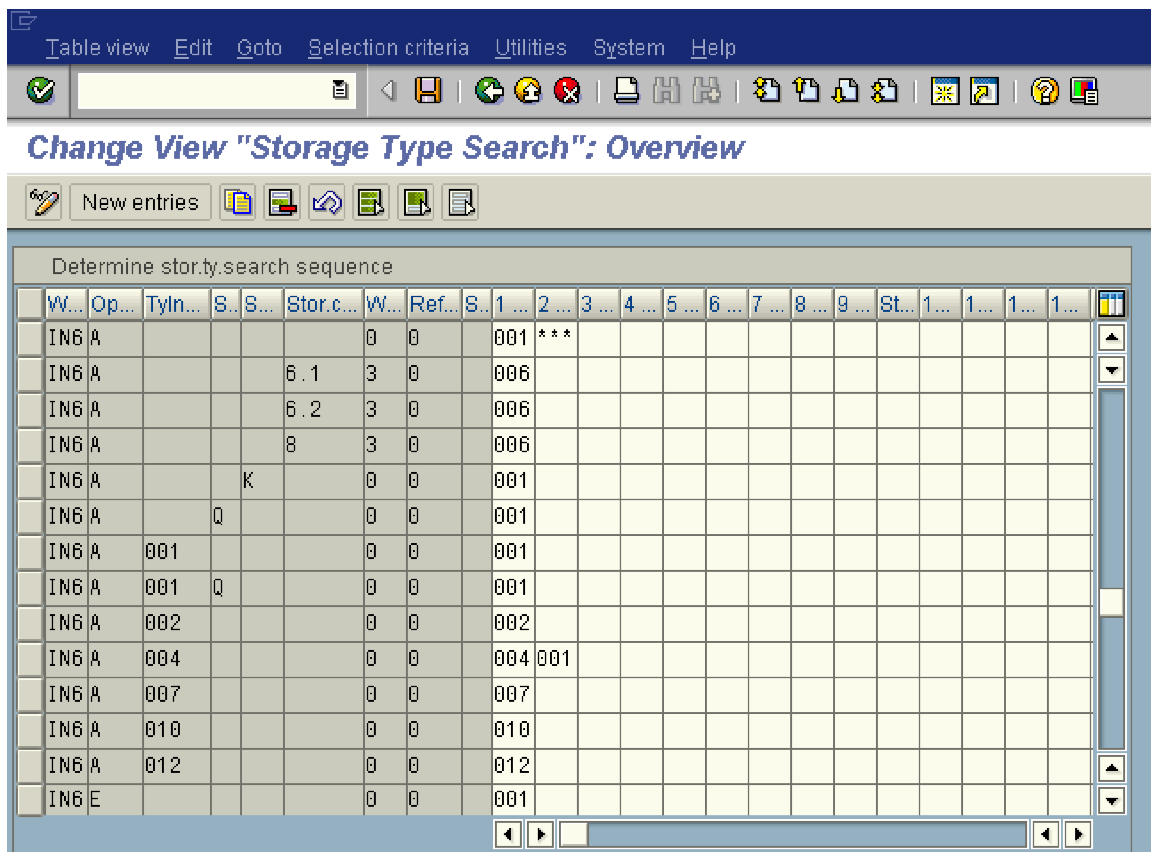
7. Click 

8. Click  to create new keys.(only if required, by default when copying the warehouse, all entries will get copied)

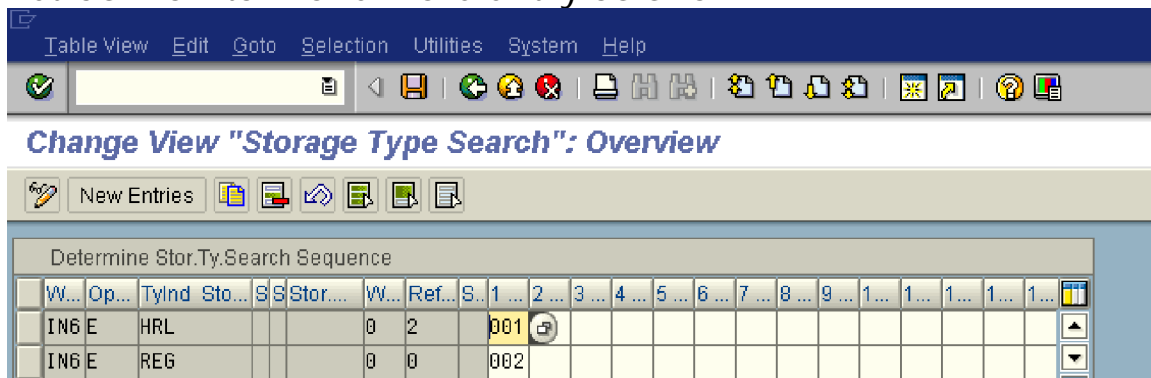
9. Maintain the fields as explained below

Field Name	Field description and value								
 - Warehouse number	Key identifying the warehouse number. E.g. IN6								
	Key identifying the operation whether Pick or put away. Possible entries are <table border="1" data-bbox="824 1476 1092 1665"> <thead> <tr> <th>Proce...</th><th>Short text</th></tr> </thead> <tbody> <tr> <td>A</td><td>Pick</td></tr> <tr> <td>E</td><td>Putaway</td></tr> <tr> <td>2</td><td>2-step picking</td></tr> </tbody> </table>	Proce...	Short text	A	Pick	E	Putaway	2	2-step picking
Proce...	Short text								
A	Pick								
E	Putaway								
2	2-step picking								
 - Storage type	Key identifying the storage type. It indicates the priority for storage type one by one.								
 - Stock category	Key identifying the priority for stock type during picking and								

	<p>storing. Possible entries are</p> <table border="1"> <thead> <tr> <th>C</th><th>Short text</th></tr> </thead> <tbody> <tr> <td></td><td>Available stock</td></tr> <tr> <td>Q</td><td>Stock in quality control</td></tr> <tr> <td>R</td><td>Returns stock</td></tr> <tr> <td>S</td><td>Blocked stock</td></tr> </tbody> </table>	C	Short text		Available stock	Q	Stock in quality control	R	Returns stock	S	Blocked stock		
C	Short text												
	Available stock												
Q	Stock in quality control												
R	Returns stock												
S	Blocked stock												
S... - Special stock indicator	<p>Key indicating the special stock. Like project stock. Possible entries are</p> <table border="1"> <thead> <tr> <th>S</th><th>Special stock descr.</th></tr> </thead> <tbody> <tr> <td>E</td><td>Orders on hand</td></tr> <tr> <td>K</td><td>Consignment (vendor)</td></tr> <tr> <td>M</td><td>Ret.trans.pkg vendor</td></tr> <tr> <td>Q</td><td>Project stock</td></tr> <tr> <td>Y</td><td>Shipping unit (whse)</td></tr> </tbody> </table>	S	Special stock descr.	E	Orders on hand	K	Consignment (vendor)	M	Ret.trans.pkg vendor	Q	Project stock	Y	Shipping unit (whse)
S	Special stock descr.												
E	Orders on hand												
K	Consignment (vendor)												
M	Ret.trans.pkg vendor												
Q	Project stock												
Y	Shipping unit (whse)												
Stor.c... - Storage class	<p>Key identifying the storage class. Mainly to indicate the hazardous material stock placement and picking.</p>												
WV... - Water pollution	<p>Key classifies hazardous material with their ability to pollute water. Possible entries are</p> <table border="1"> <thead> <tr> <th>...</th><th>Short text</th></tr> </thead> <tbody> <tr> <td>0</td><td>Generally not a water pollutant</td></tr> <tr> <td>1</td><td>Minimal water pollution danger</td></tr> <tr> <td>2</td><td>Water pollutant</td></tr> <tr> <td>3</td><td>Extreme water pollution danger</td></tr> </tbody> </table>	...	Short text	0	Generally not a water pollutant	1	Minimal water pollution danger	2	Water pollutant	3	Extreme water pollution danger		
...	Short text												
0	Generally not a water pollutant												
1	Minimal water pollution danger												
2	Water pollutant												
3	Extreme water pollution danger												
Ref... - Reference to movement type	<p>Reference key to trigger the search during put away and picking. Through this key, different strategy for different movement type can be adopted.</p>												
S... - Storage location reference	<p>Key identifying the storage location reference.</p>												
1...2...3...4... - priority	<p>Enter the storage type as per the priority.</p>												



Let us maintain one more entry as shown.



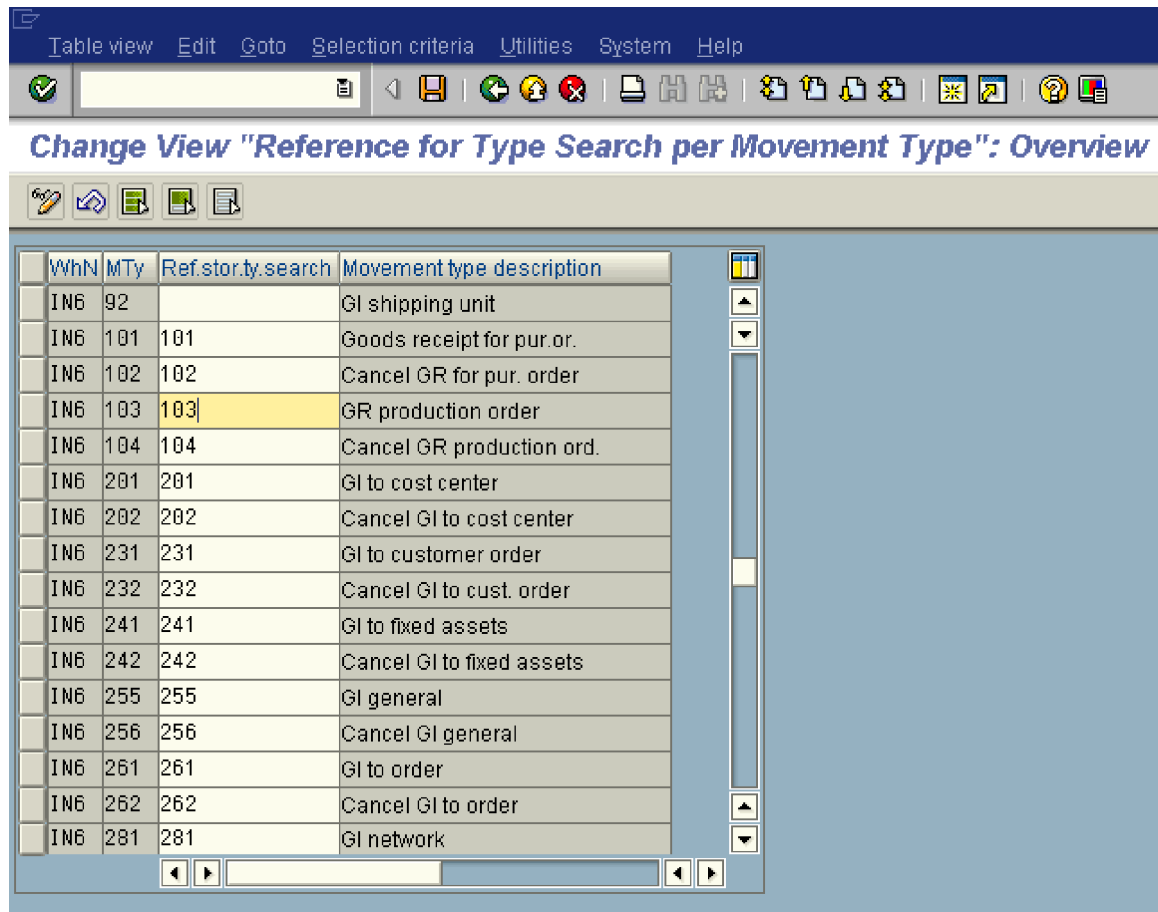
10. Click

11. Click

12. Click

13. Click **Define** in **Movement type references** row

14. Maintain the reference key for movement type to trigger the search during those movements.



Note: - Reference to movement type. This will influence the storage type search.

Note: - Maintain the entry to all other movement type as well.

15. Click 

16. Click 

17. Click 

18. Click 

19. Maintain the entries as explained below

Field Name	Field description and value																		
WhN - Warehouse number	Key identifying the warehouse number. E.g. IN6																		
CurrNo - Sequence number	Reference number to be used for searching. E.g.1 for first search method with out reference to any and 2 for second search method with reference to movement type																		
Consi... - consideration of storage type indicator.	Tick in this check box indicates that the search should be based on the storage type indicator.																		
<table><tr><td>Co...</td><td>Co...</td><td>Consi...</td><td>WP...</td><td>Co...</td><td>SLR</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>	Co...	Co...	Consi...	WP...	Co...	SLR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	2	3	4	5	6	1- search based on stock category 2 – search based on special indicator 3 – Search based on storage class 4 – Search based on pollution class 5 – Search based on reference to movement type 6 – Search based on Storage location reference
Co...	Co...	Consi...	WP...	Co...	SLR														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
1	2	3	4	5	6														

Change View "Access Strategy for Storage Type Search": Overview

New entries

WhN	CurrNo	Consi...	C...	C...	Consi...	WP...	Co...	SLR
IN6	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IN6	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

20. Click 

21. Click 

Effect of this configuration

Storage type search will be performed as per the setting here.

12. Activate storage section search

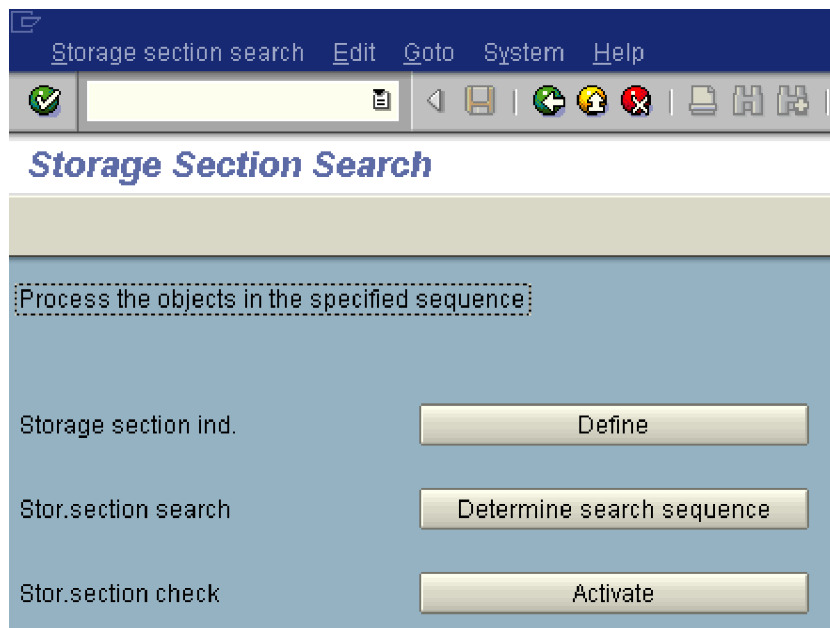
BACKGROUND

This configuration setting enables to activate storage section search. It is essential to indicate the storage section during stock placement and picking.

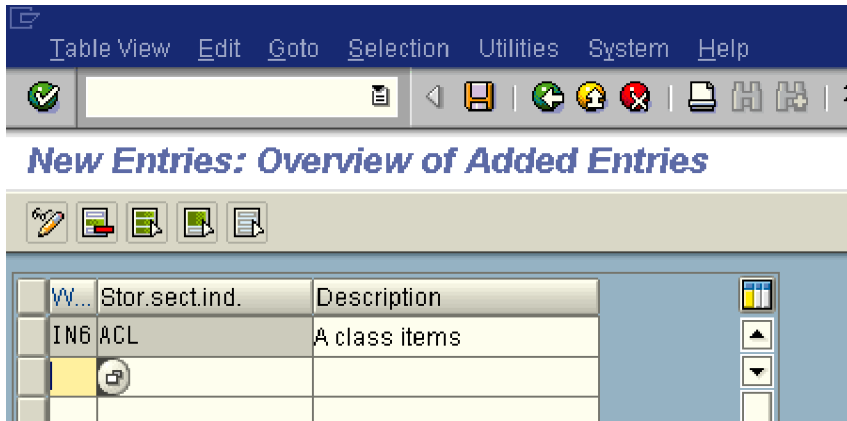
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Strategies → Activate Storage Section search

1. Click 



2. Click 









3. Click 

4. Click 

5. Click 

6. Click 

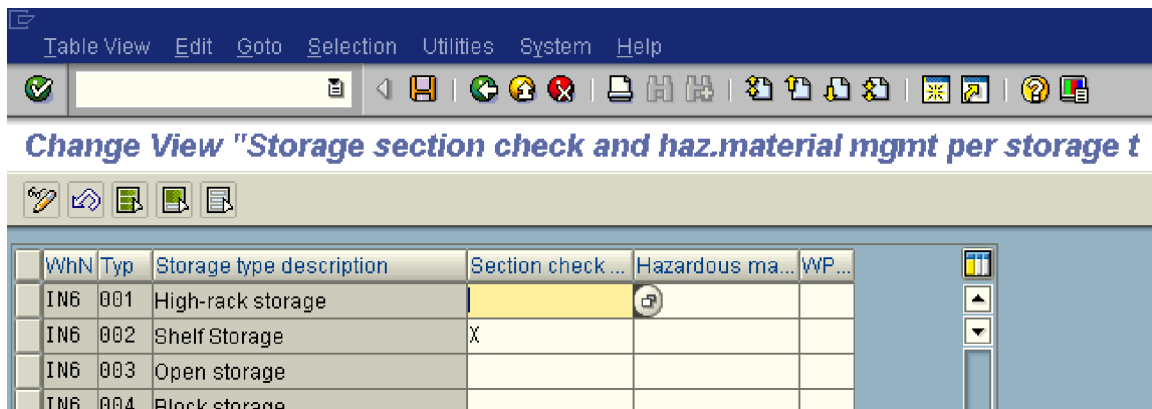
7. Maintain the fields as explained below

Field Name	Field description and value
 - Warehouse number	Key identifying the warehouse number. E.g. IN6
 - Storage type	Key identifying the storage type. E.g. 001 to indicate high storage
 - Storage section indicator.	Key identifying the storage section indicator. E.g. ACL
 - Storage class	Key identifying the storage class. Leave it blank
 - water pollution classification	Key identifying the water pollution classification. Leave it blank
 1... 2... 3r... 4t...	Priority list. Enter the storage section as per the priority. E.g. 001 storage section

8. Click 

9. Click 

10. Click 



11. Enter Section check column value as X. Other possible entries are

SC	SC	Short text
		No storage section determination or check
X		Storage section determination and check
Y		Storage section determination, no check

12. Click 

13. Click 

13. Activate Storage Bin Type Search

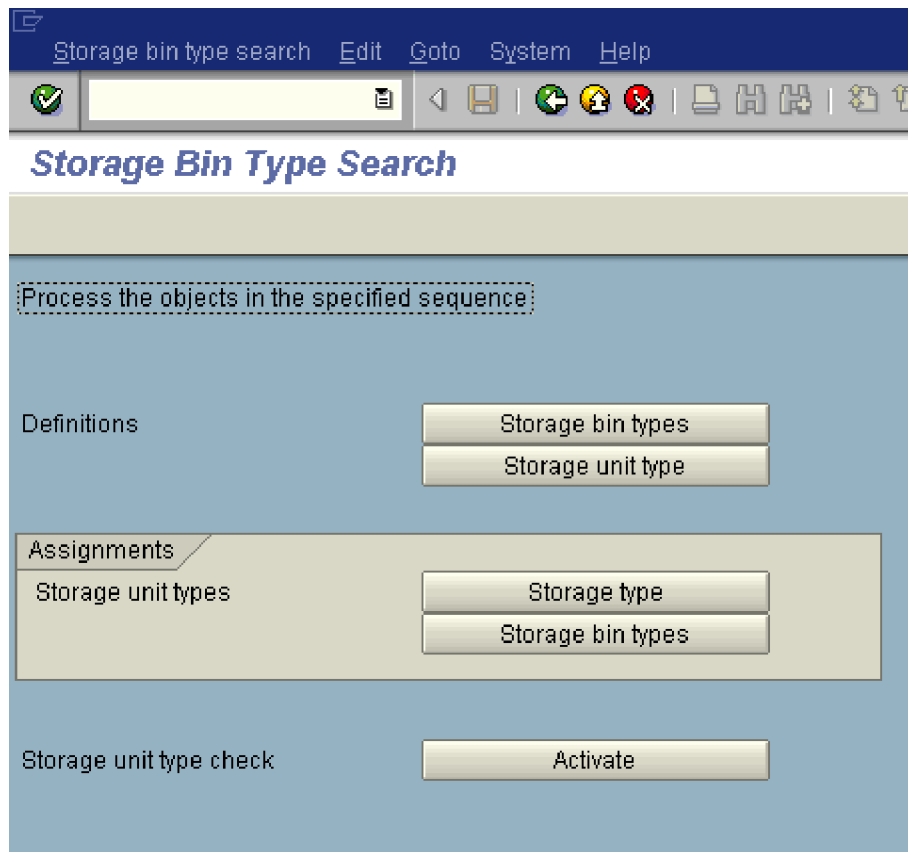
BACKGROUND

This configuration setting enables to Activate Storage bin type search.

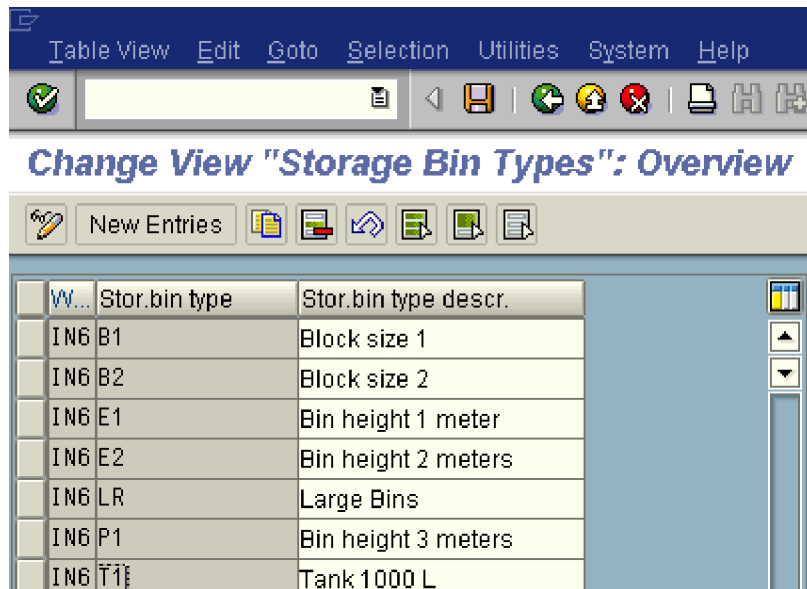
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Strategies → Activate Storage Bin type search


1. Click 

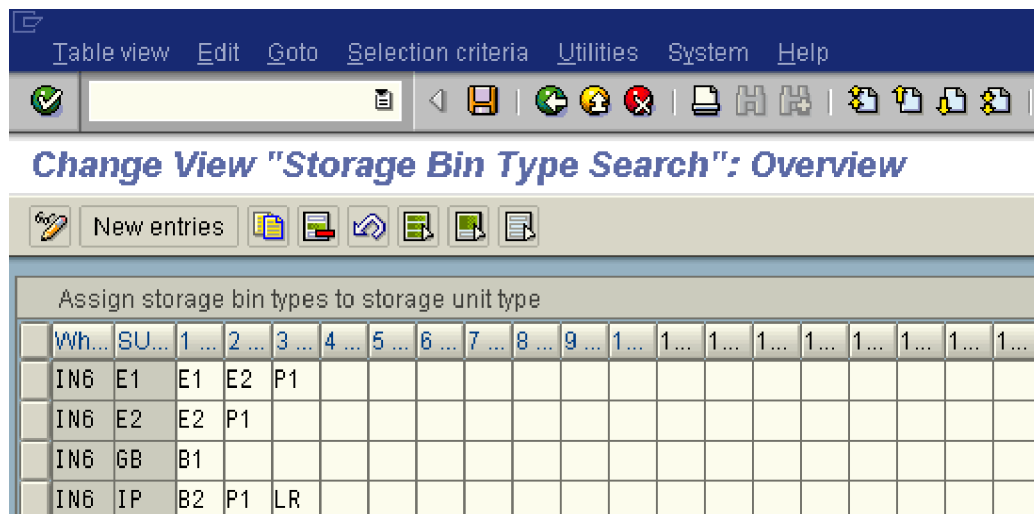


2. Click **Storage bin types** in the definitions area



Note: - If required maintain the storage bin types. In this example, it is already maintained.

3. Click 
4. Click **Storage unit type**
5. Entries are already maintained when copying the warehouse. Change the entries if required to suit the bin type. E.g. Bin type LR added as 3rd priority in IN6 storage unit IP.



6. Click 

7. Click 

Effect of this configuration

Bin search strategy will be performed as per the configuration done here.

14. Put away and Picking Strategies

BACKGROUND

Put away and picking strategies are used to determine bins during stock placement and stock removal.

These strategies are defined for each storage type. Standard SAP defined each storage type for each of the strategies. In other words, according to your required strategy, one can pickup the storage type.

It is possible to define your own storage type and the strategy associated with it.

We have discussed this strategies with the storage type creation. We shall look at the screen shot of each strategies.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Strategies → Putaway Strategies → Define Strategy for fixed bins

1. Click 

Table view Edit Goto Selection criteria Utilities System Help					
Change View "Storage type control for strategies": Overview					
W...	Ty.	Storage type name	Putaway str...	Picking strat...	SU mgmt active
IN6 001		High rack storage	L	F	<input type="checkbox"/>
IN6 002		Shelf storage	I	F	<input type="checkbox"/>
IN6 003		Open storage	C	F	<input type="checkbox"/>
IN6 004		Block storage	B	F	<input checked="" type="checkbox"/>
IN6 005		Fixed bin storage	F	F	<input type="checkbox"/>
IN6 006		Hazardous Materials	L	F	<input type="checkbox"/>
IN6 007		Pallet storage	P	F	<input type="checkbox"/>
IN6 010		High rack with ID point	L	F	<input checked="" type="checkbox"/>
IN6 011		ID point for st.ty.010	Q		<input checked="" type="checkbox"/>
IN6 012		Block storage with SUs	B	F	<input checked="" type="checkbox"/>
IN6 013		Pick point for st.ty.012	Q		<input checked="" type="checkbox"/>
IN6 100		Production supply			<input type="checkbox"/>
IN6 901		GR area for production			<input type="checkbox"/>
IN6 902		GR Area External Rcpts			<input type="checkbox"/>
IN6 904		Returns			<input type="checkbox"/>
IN6 910		GI Area General			<input type="checkbox"/>
IN6 911		GI Area for Cost Center			<input type="checkbox"/>
IN6 912		GI Area Customer Order			<input type="checkbox"/>
IN6 913		GI Area - Fixed Assets			<input type="checkbox"/>
IN6 914		GI Area Production Orders			<input type="checkbox"/>
IN6 915		Fixed Bin Picking Area	F	F	<input type="checkbox"/>
IN6 916		Shipping Area Deliveries			<input type="checkbox"/>

Double click on the desired row to look at the details.

Strategy for Fixed bins

Table view Edit Goto Selection criteria Utilities System Help

Change View "Storage type control for strategies": Details

Whse number IN6 Central warehouse
Storage type 001 High rack storage

☐ SU mgmt active
☐ Stor.type is ID pnt
☐ Stor.type is pck pnt

Stock placement control

Putaway strategy L

☒ Stk plcmnt requires confirmation
Capacity check method ☐ Act.capac.
☒ SUT check active
☒ Storage sec. check active
Dst bin ch. during confirm ☐
Block upon stk plcmnt ☐
Mixed storage ☐
Assigned ID point stor. type ☐
Addn to stock ☐
☐ Retain overdeliveries
☐ User exit act.
Mail control ☐


Stock removal control

Picking strategy F


☒ Stk rmvl requires confirmation
☐ Propose post. chge at storage bin
☐ Allow negative stock
Block upon stock rmvl ☐
☒ Full stk rmvl reqmt act.
Assigned pick point stor. ty. ☐
☒ Return stock to same storage bin
Return storage type ☐
☐ Execute zero stk check
☐ User exit active
☐ Round off qty

Define Strategy for Open storage

Table view Edit Goto Selection criteria Utilities System Help



Change View "Storage type control for strategies": Details



Whse number	IN6	Central warehouse	<input type="checkbox"/> SU mgmt active
Storage type	003	Open storage	<input type="checkbox"/> Stor.type is ID pnt
			<input type="checkbox"/> Stor.type is pck pnt

Stock placement control

Putaway strategy	C	Capacity check method	<input type="checkbox"/> Act.capac.
<input checked="" type="checkbox"/> Stk plcmnt requires confirmation		<input type="checkbox"/> SUT check active	
Dst bin ch. during confirm	<input type="checkbox"/>	<input type="checkbox"/> Storage sec. check active	
Mixed storage	X	Block upon stk plcmnt	<input type="checkbox"/>
Addn to stock	X	Assigned ID point stor. type	<input type="checkbox"/>
<input type="checkbox"/> Retain overdeliveries		<input type="checkbox"/> User exit act.	
Mail control	<input type="checkbox"/>		

Stock removal control

Picking strategy	F	<input checked="" type="checkbox"/> Propose post. chge at storage bin	
<input checked="" type="checkbox"/> Stk rmvl requires confirmation		Block upon stock rmvl	<input type="checkbox"/>
<input type="checkbox"/> Allow negative stock		Assigned pick point stor. ty.	<input type="checkbox"/>
<input type="checkbox"/> Full stk rmvl reqmt act.		Return storage type	<input type="checkbox"/>
<input type="checkbox"/> Return stock to same storage bin		<input type="checkbox"/> User exit active	
<input type="checkbox"/> Execute zero stk check			
<input type="checkbox"/> Round off qty			

For Block storage

Table view Edit Goto Selection criteria Utilities System Help

Change View "Storage type control for strategies": Details

Whse number IN6 Central warehouse
Storage type 004 Block storage

☒ SU mgmt active
☐ Stor.type is ID pnt
☐ Stor.type is pck pnt

Stock placement control

Putaway strategy B

☒ Stk plcmnt requires confirmation
Dst bin ch. during confirm
Mixed storage
Addn to stock X
☐ Retain overdeliveries
Mail control

Capacity check method
☒ SUT check active
☐ Storage sec. check active
Block upon stk plcmnt
Assigned ID point stor. type
☐ User exit act.

Stock removal control

Picking strategy F

☒ Stk rmvl requires confirmation
☐ Allow negative stock
☒ Full stk rmvl reqmt act.
☐ Return stock to same storage bin
☐ Execute zero stk check
☐ Round off qty

☐ Propose post. chge at storage bin
Block upon stock rmvl
Assigned pick point stor. ty. 004
Return storage type
☐ User exit active

Let's look at the few screen shots of picking strategies.

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Strategies → Picking Strategies → Define FIFO Strategy

Note: - Please refer the detailed explanation given in the storage type are. Here the screen shots are shown for your reference only.

1. Click 

Table view Edit Goto Selection criteria Utilities System Help

Change View "Storage type control for strategies": Overview

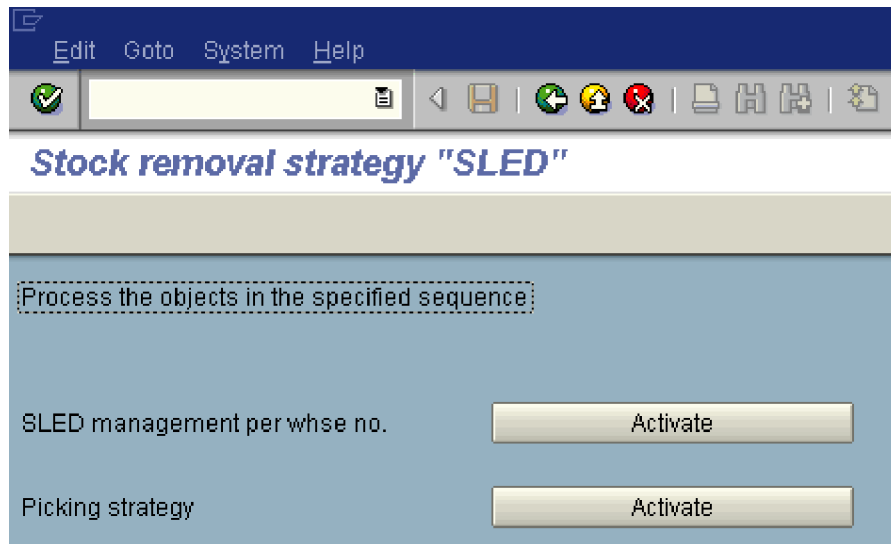
W...	Ty.	Storage type name	Putaway str...	Picking strat...	SU mgmt active
IN6 001		High rack storage	L	F	<input type="checkbox"/>
IN6 002		Shelf storage	I	F	<input type="checkbox"/>
IN6 003		Open storage	C	F	<input type="checkbox"/>
IN6 004		Block storage	B	F	<input checked="" type="checkbox"/>
IN6 005		Fixed bin storage	F	F	<input type="checkbox"/>
IN6 006		Hazardous Materials	L	F	<input type="checkbox"/>
IN6 007		Pallet storage	P	F	<input type="checkbox"/>
IN6 010		High rack with ID point	L	F	<input checked="" type="checkbox"/>
IN6 011		ID point for st.ty.010	Q		<input checked="" type="checkbox"/>
IN6 012		Block storage with SUs	B	F	<input checked="" type="checkbox"/>
IN6 013		Pick point for st.ty.012	Q		<input checked="" type="checkbox"/>
IN6 100		Production supply			<input type="checkbox"/>
IN6 901		GR area for production			<input type="checkbox"/>
IN6 902		GR Area External Rcpts			<input type="checkbox"/>
IN6 904		Returns			<input type="checkbox"/>
IN6 910		GI Area General			<input type="checkbox"/>
IN6 911		GI Area for Cost Center			<input type="checkbox"/>
IN6 912		GI Area Customer Order			<input type="checkbox"/>
IN6 913		GI Area - Fixed Assets			<input type="checkbox"/>
IN6 914		GI Area Production Orders			<input type="checkbox"/>
IN6 915		Fixed Bin Picking Area	F	F	<input type="checkbox"/>
IN6 916		Shipping Area Deliveries			<input type="checkbox"/>

Double click on the desired row to edit or display

Table view Edit Goto Selection criteria Utilities System Help			
<div> <input type="text"/> </div>			
<h2>Change View "Storage type control for strategies": Details</h2>			
<div> </div>			
Whse number	IN6	Central warehouse	<input type="checkbox"/> SU mgmt active
Storage type	001	High rack storage:	<input type="checkbox"/> Stor.type is ID pnt <input type="checkbox"/> Stor.type is pck pnt
<h3>Stock placement control</h3>			
Putaway strategy		L	
<input checked="" type="checkbox"/> Stk plcmt requires confirmation	Capacity check method		<input type="checkbox"/> Act.capac.
Dst bin ch. during confirm	<input type="checkbox"/>	<input checked="" type="checkbox"/> SUT check active	
Mixed storage	<input type="checkbox"/>	<input checked="" type="checkbox"/> Storage sec. check active	
Addn to stock	<input type="checkbox"/>	Block upon stk plcmt	<input type="checkbox"/>
<input type="checkbox"/> Retain overdeliveries		Assigned ID point stor. type	<input type="checkbox"/>
Mail control	<input type="checkbox"/>	<input type="checkbox"/> User exit act.	
<h3>Stock removal control</h3>			
Picking strategy		F	
<input checked="" type="checkbox"/> Stk rml requires confirmation	<input type="checkbox"/> Propose post. chge at storage bin		
<input type="checkbox"/> Allow negative stock	Block upon stock rml		<input type="checkbox"/>
<input checked="" type="checkbox"/> Full stk rml reqmt act.	Assigned pick point stor. ty.		<input type="checkbox"/>
<input checked="" type="checkbox"/> Return stock to same storage bin	Return storage type		<input type="checkbox"/>
<input type="checkbox"/> Execute zero stk check	<input type="checkbox"/> User exit active		
<input type="checkbox"/> Round off qty			

Strategy for Expiration date

1. Click 



2. Click  in **SLED management per whse no.** row

3. Tick the check box in column **SLED mgmt active**

WhN	SLED mgmt active
IN6	<input checked="" type="checkbox"/>

Note: - Tick in this check box activates the Shelf Life Expiration Date check in this warehouse. Expiration date must be entered during stock placement.

If it is not required, do not tick the check box.

4. Click 

5. Click 

Effect of this configuration

Strategy for each storage type will be determined as per the configuration done here.

15. Define Movement Types

BACKGROUND

This configuration setting enables to define movement types. When copying the warehouse entire movement type settings are copied.

Movement type contains control on

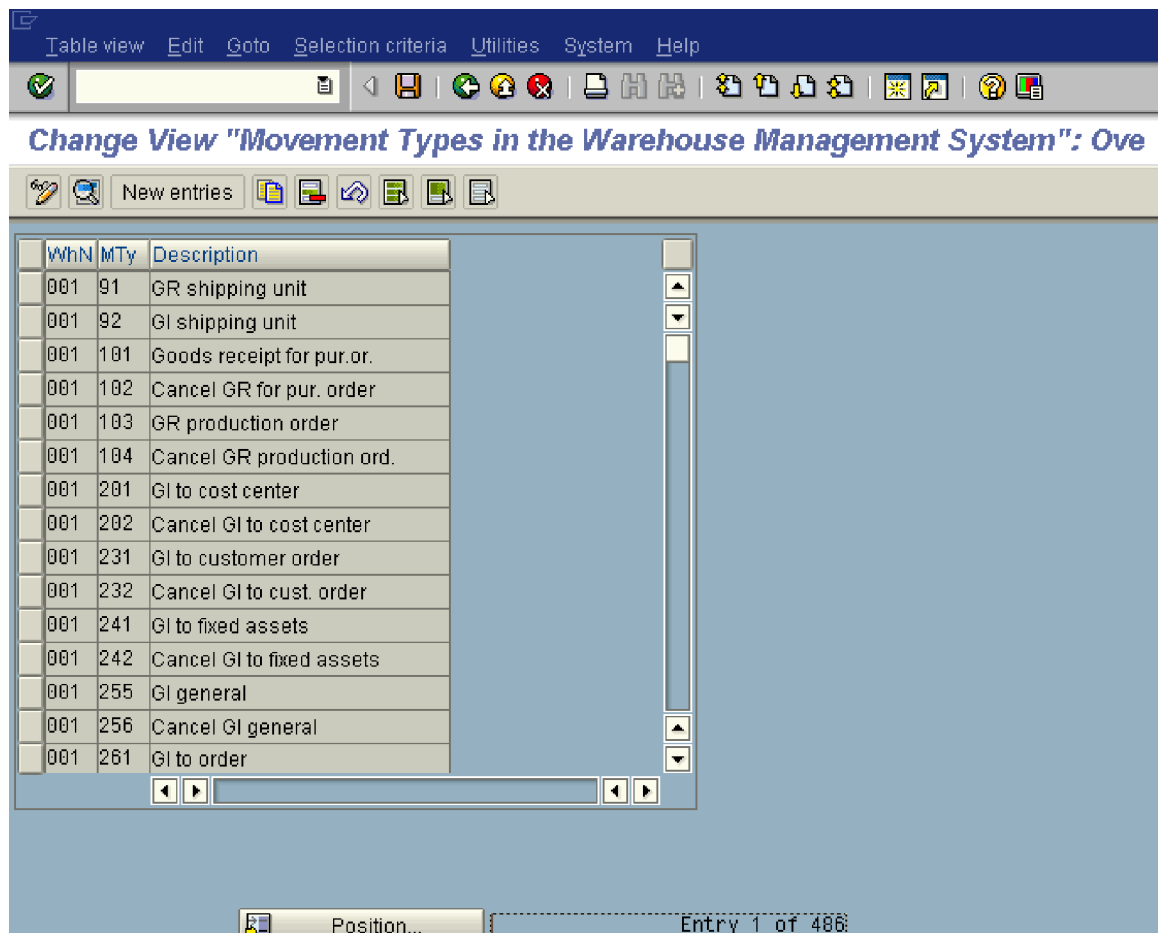
- Interim storage area
- Storage bin where items are to be placed
- Type of transaction
- Transfer order creation
- Automatic TO creation
- Printing controls
- TO Confirmation



Let us discuss the standard SAP movement type setting for warehouse IN6.

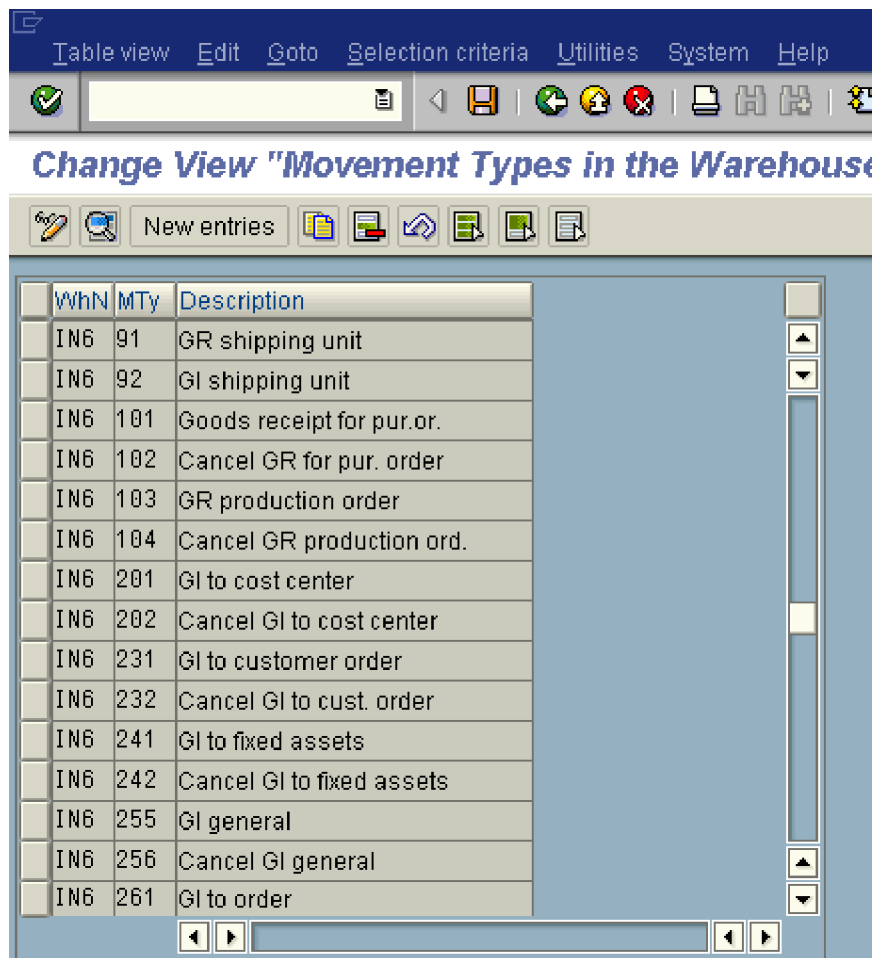
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Activities → Transfers → Define Movement types

1. Click 



2. Click  Position...
3. Enter warehouse number IN6
4. Click 



5. Double click row with movement type 101

Table view Edit Goto Selection criteria Utilities System Help

Change View "Movement Types in the Warehouse Management System": Det

New entries

Warehouse number IN6 Central warehouse

Movement type 101 Goods receipt for pur.or.

Ty. Stor.bin FxdBn Dyn.

Src 902 ☐ ☒

Dest ☐ ☐

Ret ☐ ☐

Transfer type E Stock plcmnt

Requirement type B Purchase Order

Transfer requirements

☒ Manual TO creation not allowed

☐ Manual TR creation allowed

Transfer priority

Screen control

TO creation 1 Putaway prep

TO confirmation

TO display

Print

Print code 01 Single print / TO it...

Background processing

Automatic TO

Control

☒ GR data in quant

☐ Manual storage bin input

☒ Consider pre-alloc.stock

☐ Overdeliveries

Foreground/backgrnd

Confirmation

☐ TO item can be confmd immed.

☐ Propose confirmation

☐ Post to same bin

Ref.stor.type search

Field Name	Field description and value
Warehouse number	Key identifying the warehouse number. E.g. IN6
Movement type	Key identifying the movement type. E.g. 101
Src	Source storage type from where the stock is to be moved. E.g. 902 to indicate to be moved from interim storage type for GR area external receipts
Dest	Destination storage type to which the stock is to be placed. E.g. 001 to indicate

	high storage rack in this warehouse.
Ret	Storage type to keep the left over quantity. E.g. 001
<div> <div>Stor.bin</div> <div> <div></div> <div></div> <div></div> </div> </div>	Storage bin reference for each storage type. If storage bin is maintained, this will be used as a fixed bin.
Transfer type	Indicates the type of transfer. E.g. E to indicate stock placement.
Requirement type	Requirement type indicates the type of transaction. E.g. B indicates purchase order.
<input checked="" type="checkbox"/> Manual TO creation not allowed	Tick in this check box will not allow the creation of manual Transfer Order. (TO)
<input type="checkbox"/> Manual TR creation allowed	Tick in this check box will allow manual creation of Transfer Requirement.
<input checked="" type="checkbox"/> GR data in quant	Tick in this check box will set the GR number and date in the quant automatically.
<input type="checkbox"/> Manual storage bin input	In the TO system will not propose any bin using any strategy, user can manually enter the bin.
<input checked="" type="checkbox"/> Consider pre-alloc.stock	System checks for any pre-allocation of the incoming material stock. If so , issues message.
<input type="checkbox"/> Overdeliveries	Tick in this check box will allow for complete quant removal (stock removal).
TO creation	Screen control for TO creation. It is possible to split the quantity during stock placement, during stock removal or both together.

	Possible entries are <table border="1"> <thead> <tr> <th>S...</th><th>Short text</th></tr> </thead> <tbody> <tr> <td>1</td><td>Preparation screen for placement into stock</td></tr> <tr> <td>2</td><td>Preparation screen for stock removal</td></tr> <tr> <td>3</td><td>Single item screen</td></tr> </tbody> </table>	S...	Short text	1	Preparation screen for placement into stock	2	Preparation screen for stock removal	3	Single item screen
S...	Short text								
1	Preparation screen for placement into stock								
2	Preparation screen for stock removal								
3	Single item screen								
TO confirmation	Screen control for TO confirmation. Leave it as it is.								
Print code	Printing code for printing of TO.								
Automatic TO	Automatic TO creation in background processing. We shall discuss this configuration below.								
<input type="checkbox"/> TO item can be confirmd immed.	Confirmation of TO can be done immediately as soon as it is created								
<input type="checkbox"/> Propose confirmation	This will propose the TO confirmation as soon as it is created.								
<input type="checkbox"/> Post to same bin	Tick in this check box indicates that no transfer is required for a posting change.								

6. Click 

7. Click 

Effect of this configuration

When performing the transaction, TR and TO will be create as per the configuration done here.

16. Setup Automatic TO creation

BACKGROUND

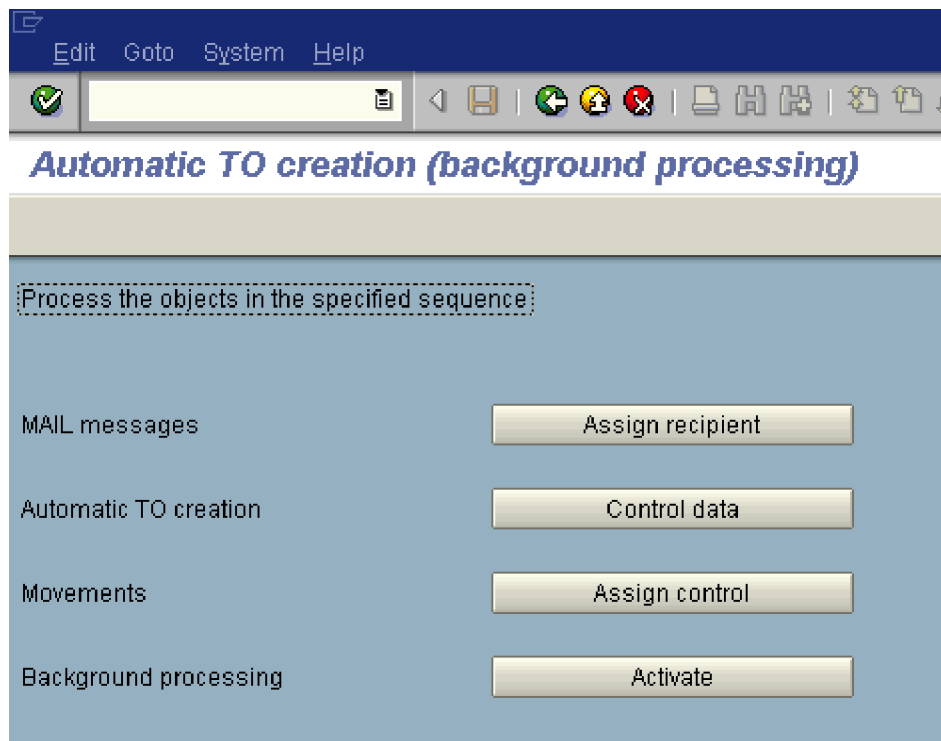
This configuration setting enables to define automatic transfer order creation.

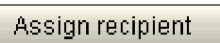
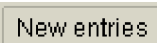
For every warehouse management movements TO is essential. Transfer Order can be created manually or automatically. Transfer Order indicates what is to be placed and where is it be placed.






INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Activities → Transfers → Setup autom. TO creation for TRs/posting change notices

1. Click 



2. Click 
3. Click 
4. Maintain the fields as explained below


Field name	Field description and value
 - Warehouse number	Key identifying the warehouse number. E.g. IN6
 - mail contact person in sequence.	Sequence number to mention more contact persons. E.g. 1
	Tick in this check box indicates the document user has to be sent a mail in case of error in creating TO.
	To mention any other person as a recipient in addition to the document user.
	If this check box is ticked, message will be sent as an express message.

5. Click 

6. Click  two times

Automatic TO creation (background processing)






Process the objects in the specified sequence

MAIL messages	<input type="button" value="Assign recipient"/> 
Automatic TO creation	<input type="button" value="Control data"/>
Movements	<input type="button" value="Assign control"/>
Background processing	<input type="button" value="Activate"/>

7. Click

8. Click

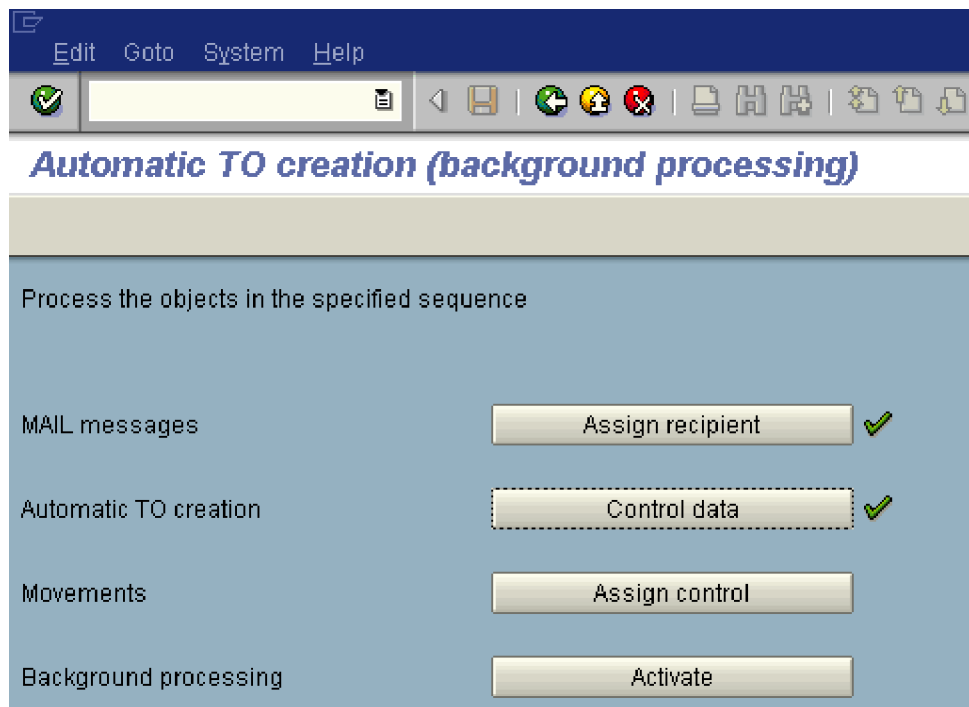
9. Maintain the fields as explained below

Field Name	Field description and value
 warehouse number	Key identifying the warehouse number. E.g. IN6
	Control field to trigger the TO automatically either to TR or for posting changes. E.g. 1 always to trigger TO for TR and posting changes.
	Tick this check box to execute TO creation for variant 1 maintained the field  column.
	Indicate who should be

	contacted incase of error while creating TO. E.g. 1 to indicate the document user.
Description	Description to this entry. E.g. Auto TO

10. Click 

11. Click  two times



12. Click 

Table view Edit Goto Selection criteria Utilities System Help

Change View "Movement Types in the Warehouse Management System": Overview

New entries

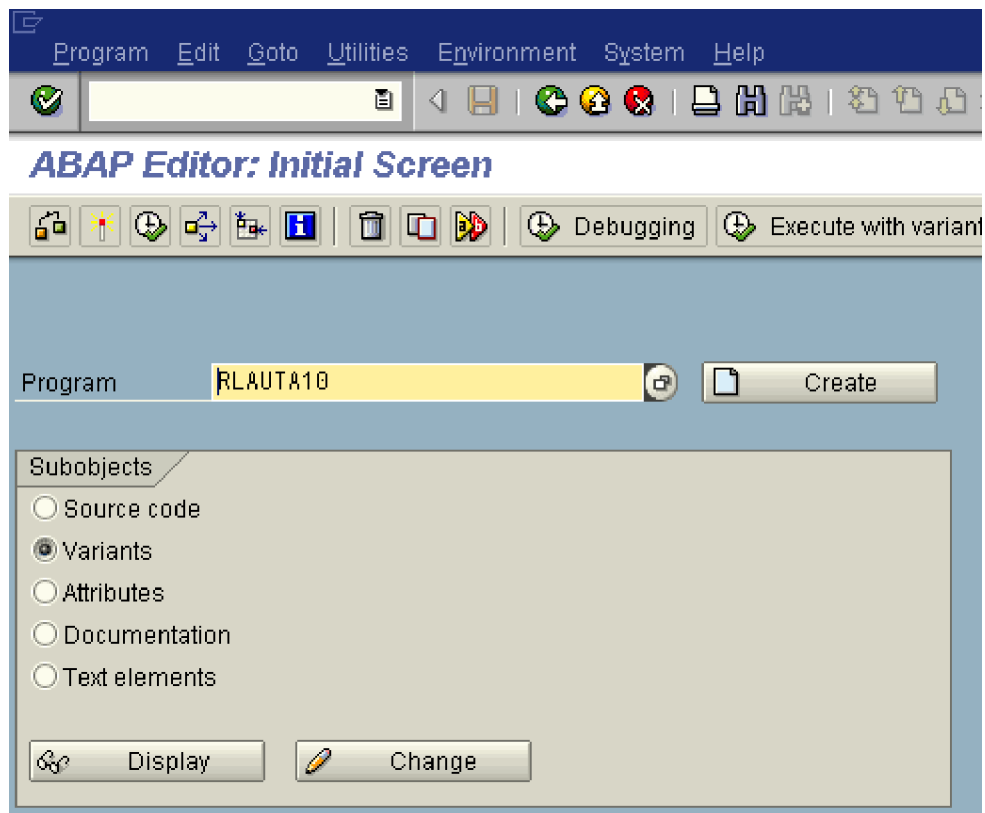
WhN	MTy	Description
001	91	GR shipping unit
001	92	GI shipping unit
001	101	Goods receipt for pur. or.
001	102	Cancel GR for pur. order
001	103	GR production order
001	104	Cancel GR production ord.
001	201	GI to cost center
001	202	Cancel GI to cost center
001	231	GI to customer order
001	232	Cancel GI to cust. order
001	241	GI to fixed assets
001	242	Cancel GI to fixed assets

Note: - the above is same as we discussed in movement type control. Double click on the desired row and maintain the settings as we discussed earlier.

Click  , create program variant before we go to activate.

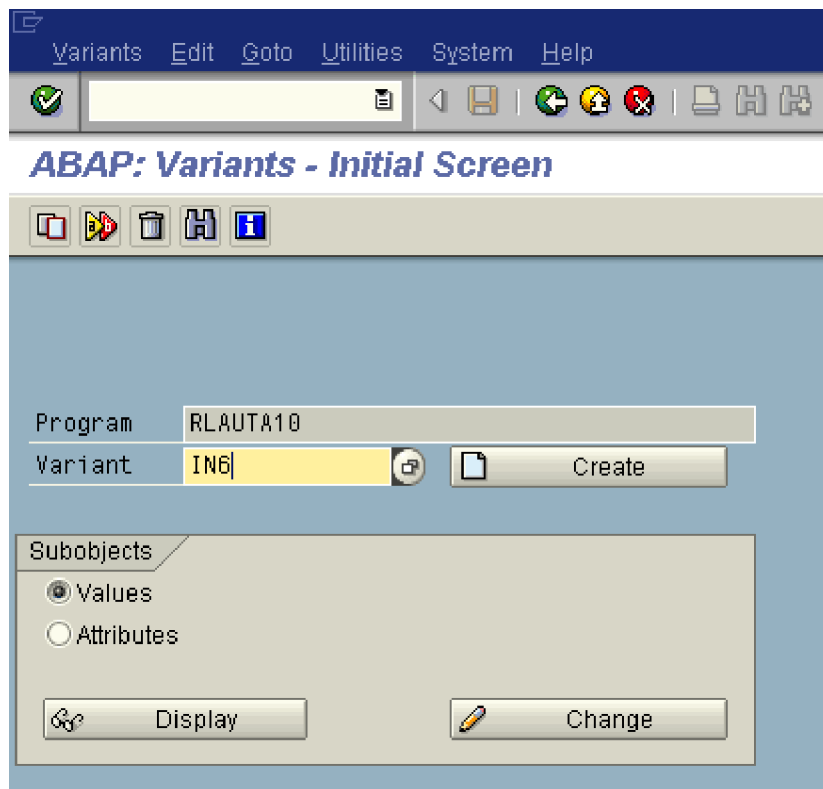
Type /nSE38 in the command box

Type program name as RLAUTA10



Click  Change

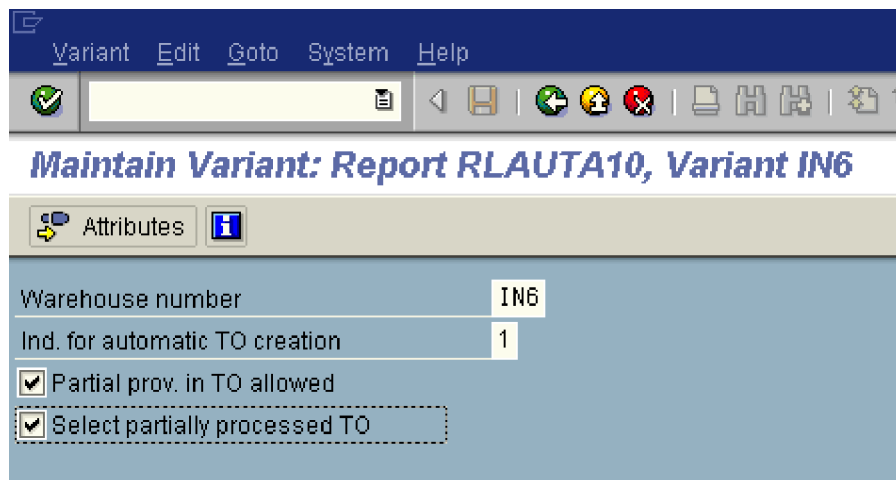
Enter variant name. E.g. IN6



Click  Create

Enter warehouse number IN6

Maintain the entries as shown below



Click  Attributes

Maintain the entries as shown below

The screenshot shows the 'ABAP: Save Attributes of Variant IN6' dialog box. The title bar includes 'Environment', 'System', and 'Help' menus. Below the title bar is a toolbar with various icons. The main area is divided into two tabs: 'Selection variables' and 'Screen assignment'. The 'Selection variables' tab is active, showing a table with the following data:

Field	Value
Variant name	IN6
Description	Auto TO creation IND6
Created for selection screens	1000


Below the table, there are four checkboxes for additional attributes:

- Only for background processing: ☐
- Protect variant: ☐
- Only display in catalog: ☐
- System variant (automatic transport): ☐

At the bottom, there is a 'Field attributes' section with a list of fields and their corresponding checkboxes:

- Required field: ☐
- Switch SPA/GPA off: ☐
- Save field without values: ☐
- Selection variable: ☐
- Hide field 'BIS': ☐

Click 

Message  Variant IN6 saved appear at the bottom

Click  till the main screen is reached.

Now let us go back to activate the background job.

13. Click 

Define Background Job

Start condition | Step | Job overview | Own jobs | Job wizard

General data

Job name

Job class


Status

Target server

Job start


Job frequency

Job steps

14. Enter job name. E.g. IND6 TO
15. Enter job class. E.g. C - Low priority
16. Click 
17. click
18. enter the details as shown below

ABAP program External command

ABAP program

Name	RLAUTA10
Variant	ING 
Language	EN

19. Click  Check

20. Click 

21. Click  Start condition

22. Click ☒ Periodic job at the bottom

23. Click Period values at the bottom




24. Click Other period

Explicit Period Value

Start job (all)








<input type="radio"/>	Month(s)
<input type="radio"/>	Week(s)
<input type="radio"/>	Day(s)
<input type="radio"/>	Hour(s)
<input checked="" type="radio"/>	Minute(s)

30

 Check  

25. Enter the value as per the requirement. E.g. 30 minutes to run every 30 minutes.

26. Click  Check

27. Click 
28. Click  Check
29. Click 
30. Click the tab screen 
31. Enter the stat date and time from when this is to be scheduled.
32. Click  Check
33. Click 
34. Click 
35. Click 

17. Define Print Control

BACKGROUND

This configuration setting enables to define print control.

Print control defines

- Documents to be printed for each movement types
- Form and layout to be used for printout
- Printer to be used

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Activities → Define Print Control

1. Click 

Print control Edit Goto System Help

Process the objects in the specified sequence

Definitions

Spool code

Printer pool / Labels

Sort profile/coll.proc.

Print code

Assignments

Printer

Warehouse movement

Picking area

Storage type

Print code

Movement type

Print report

Warehouse number

Print control

Multiple processing

Print control tables

Analyze

2. Click Warehouse movement in printer area

Table view Edit Goto Selection criteria Utilities System Help

Change View "Transfer Order Printer Control": Overview

New entries

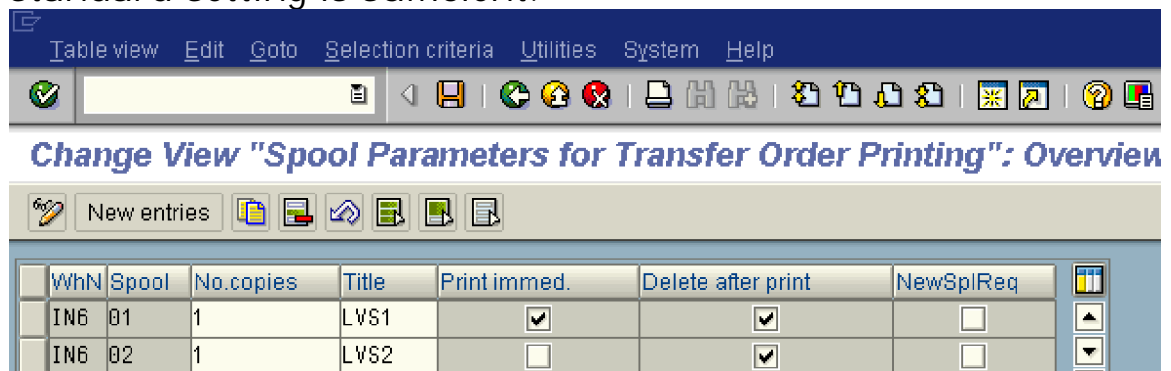
Form

Wh...	Src.sto...	Dest.sto...	No print	Printer	Printer src.st.type	Form	Sp...
IN6	***	***	<input type="checkbox"/>	LOCAL	<input type="checkbox"/>		

3. maintain the fields as explained below

Field Name	Field description and value
Wh... - Warehouse number	Key identifying the warehouse number. E.g. IN6
Src.sto... - source storage type	Key identifying the storage type. *** to indicate all storage type or enter the specific storage type.
Dest.sto... - Destination storage type	Enter the destination storage type.
No print	Tick in this check box will not print the TO.
Printer	Mention the printer name.
Form	Form to be used to print TO.
Spool	Key identifying the spool parameter. Spool parameter controls number of copies, print immediately etc.

Spool parameter screen shot for your reference. SAP standard setting is sufficient.



4. Click 

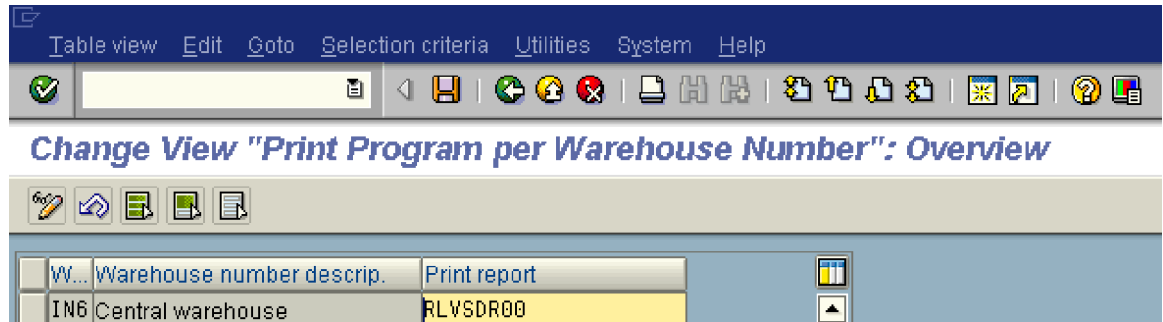
5. Click 

6. Printer can be assigned to specific to picking area and storage type also.

Picking area
Storage type

7. Click the appropriate tab screen to assign the printer.

8. Click **Warehouse number** in the print report row.



9. Default print report to print TO is assigned. If required assign your own report.

10. Click 

11. Click 

Effect of this configuration

Printing of transfer order will be executed as per the configuration done here.

18. Activate Warehouse activity monitor objects

BACKGROUND

This configuration setting enables to define the warehouse monitoring object.



It is primarily to monitor the open items and uncompleted process in the warehouse.


Please note that only the inventory management movement triggers the movement in the warehouse. Each IM movement will create a TO. Each TO has to be confirmed.


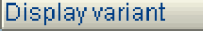
In the above process it is possible to have unprocessed wm documents. This configuration will help to get a report of those unprocessed items.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Planning and monitoring → Warehouse Activity Monitor → Activate Warehouse activity monitor objects

1. Click 
2. Click 
3. Maintain the fields as explained below

Field name	Field description
 - Monitoring object	Select the monitoring object from the possible entreis

	<table> <tr> <th>MOB</th><th>Short text</th></tr> <tr> <td>01</td><td>Unconfirmed transfer orders</td></tr> <tr> <td>02</td><td>Open transfer requirements</td></tr> <tr> <td>03</td><td>Open posting change notices</td></tr> <tr> <td>04</td><td>Critical deliveries</td></tr> <tr> <td>05</td><td>Negative stocks</td></tr> <tr> <td>06</td><td>Interim storage stock, without movement</td></tr> <tr> <td>07</td><td>Critical stocks for production supply</td></tr> </table> <p>E.g. 01</p>	MOB	Short text	01	Unconfirmed transfer orders	02	Open transfer requirements	03	Open posting change notices	04	Critical deliveries	05	Negative stocks	06	Interim storage stock, without movement	07	Critical stocks for production supply
MOB	Short text																
01	Unconfirmed transfer orders																
02	Open transfer requirements																
03	Open posting change notices																
04	Critical deliveries																
05	Negative stocks																
06	Interim storage stock, without movement																
07	Critical stocks for production supply																
 - Warehouse number	Enter the warehouse number. E.g. IN6																
 Display variant	Enter display variant. E.g. 1																

4. Click 

Note: - Maintain the other monitor object entries as explained above

5. Click 

6. Click 

Effect of this configuration

Monitoring object defined here will be used to generate report. To schedule a periodic job to monitor the object, this configuration setting is essential.

19. Define Critical Parameters




BACKGROUND





This configuration setting enables to define the critical parameters for monitoring object.

This configuration setting defines the period after which the report is to be generated for the monitoring object.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Planning and monitoring → Warehouse Activity Monitor → Define Critical Parameters

1. Click 
2. Double click on  Unconfirmed transfer orders to define critical parameter to this.
3. Select any similar row to copy
4. Click 
5. maintain entries as explained below

Field name	Field description and value
 - warehouse number	Key identifying the warehouse number. E.g.IN6
 - movement type	Enter the movement type. E.g. 101
 - Source storage type	Enter the source storage type. E.g. 902
 - Destination storage type	Enter the destination storage

	type. E.g. 001 to indicate high rack storage
Crit. duration	Enter the critical duration. E.g. 6
Time unit	Enter the time unit of the critical duration. E.g. Day.

6. Click 

7. Click 

8. Click 

Maintain the critical parameter similarly as explained above for other monitoring objects.

Effect of this configuration

Reports will be generated based on these critical parameters.

20. Define Variant for program “object overview”

BACKGROUND

This configuration setting enables to define the variants for program object overview.

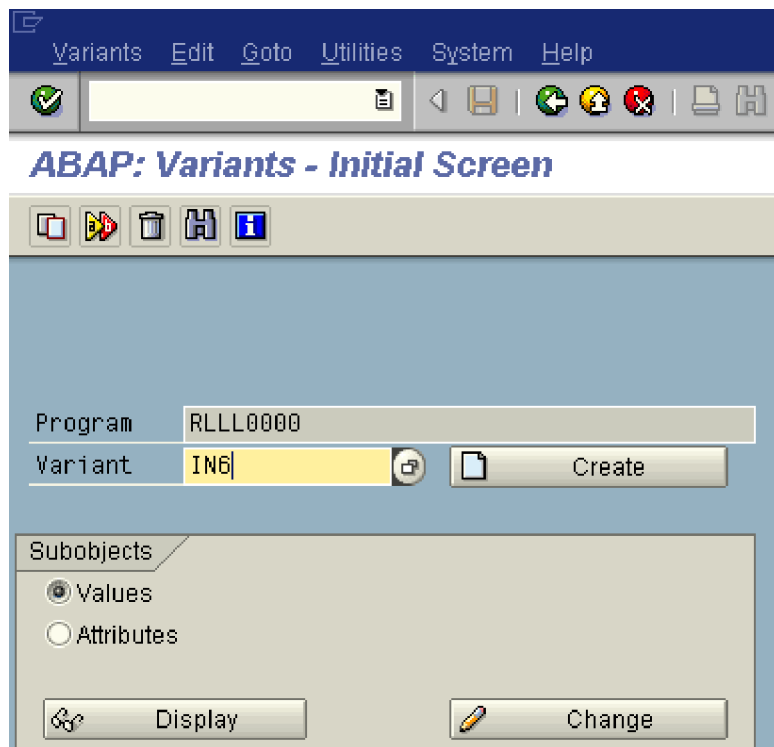
Above configuration setting we have defined the warehouse management monitoring objects and we have defined the critical parameters to those monitoring objects.


To schedule a job in background and generate report, it is required to define to which selection parameter the report is to be generated. Here it is defined through the selection variant for all monitoring objects.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Planning and monitoring → Warehouse Activity Monitor → Report Variants → Define Variant for program “object overview”

1. Click 



2. Enter IN6 as variant name
3. Click  Create
4. Maintain the entries as shown below

Variant Edit Goto System Help

Maintain Variant: Report RLLL0000, Variant IN6

Attributes

<input checked="" type="checkbox"/> Display				
Movement type	101	to	900	
Source storage type	900	to	909	
Destination storage type	001	to	509	

Open transfer requirements

<input checked="" type="checkbox"/> Display				
Movement type	101	to	900	

Open posting change documents

<input checked="" type="checkbox"/> Display				
Movement type	101	to	900	

Open deliveries

<input checked="" type="checkbox"/> Display				
---	--	--	--	--

Negative stocks

<input checked="" type="checkbox"/> Display				
Storage type	001	to	509	

Stock in interim storage types

<input checked="" type="checkbox"/> Display				
Storage type	001	to	509	

Critical stocks in production

<input checked="" type="checkbox"/> Display				
Storage type	001	to	509	

5. Click Attributes
6. Enter description to this layout
7. Click
8. Click

Effect of this configuration

Reports will be generated based on these selection variant.

21. Define variants for selection programs

BACKGROUND

This configuration setting enables to define the variants for program object overview.

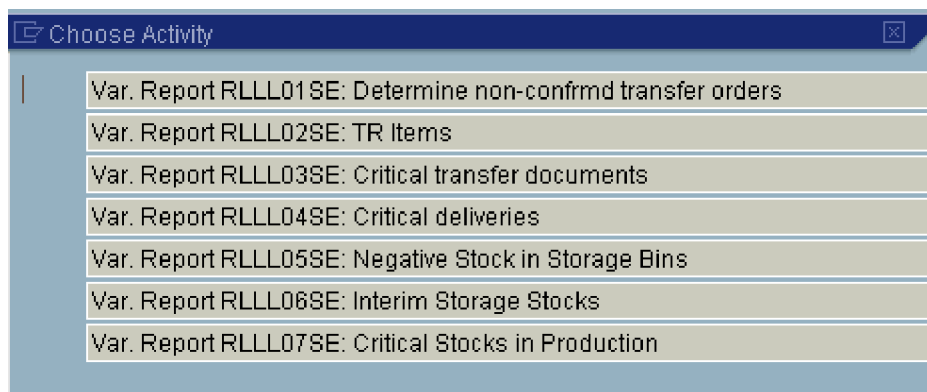
Above configuration setting we have defined the warehouse management monitoring objects and we have defined the critical parameters to those monitoring objects.

To schedule a job in background and generate report, it is required to define to which selection parameter the report is to be generated. Here it is defined through the selection variant for all monitoring objects.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Planning and monitoring → Warehouse Activity Monitor → Report Variants → Define Variant for selection programs

1. Click 



Note: - For each monitoring object, there is a report program. Selection parameter can be defined for each.

To create a variant double click on the desire row and create variant as explained in the previous heading.

We have

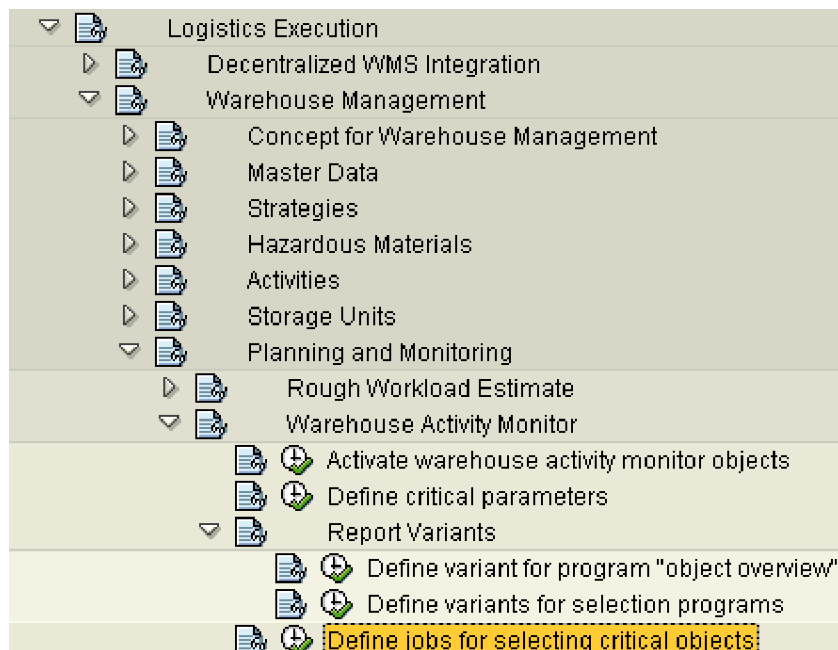
Defined the warehouse monitoring objects

Defined the parameter for each monitoring object

Defined the selection parameter for each monitoring object to generate reports

Now it is possible to run the report periodically through the background job processing using the below setting.

Define jobs for selecting critical objects



We have discussed this in the previous topics hence it is not repeated here.

22. Define Movement Types

BACKGROUND

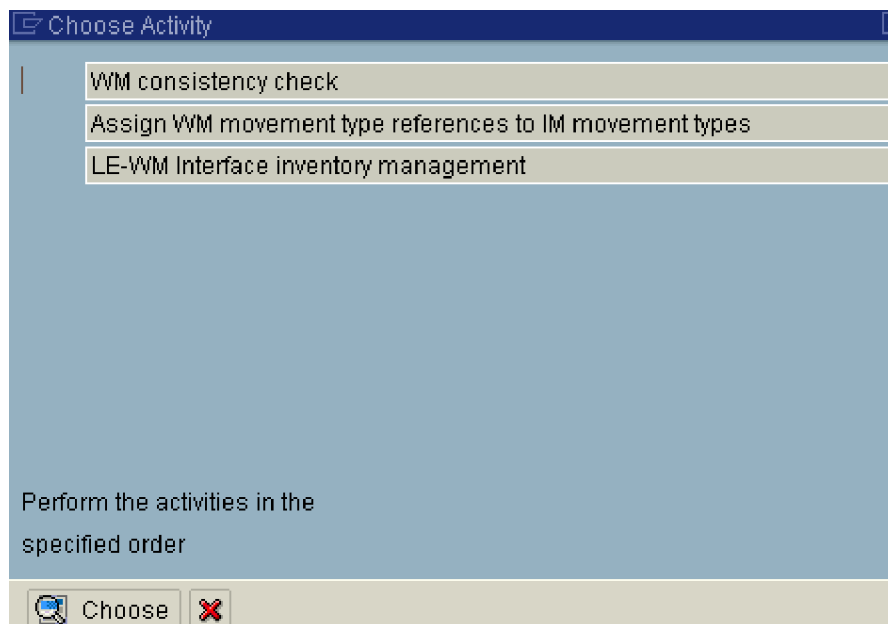
This configuration setting enables to define the movement types to relate the movement between IM and WM.

Warehouse specific TO create controls are defined in this settings.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Interfaces → Inventory Management → Define Movement types

1. Click 



2. Double click **Assign WM movement type references to IM movement types**

Table view Edit Goto Selection criteria Utilities System Help

Change View "Reference Movement Types for Warehouse Management"

Assign WM movement type references to IM movement types

M...	Movement type text	V...	Q...	S...	M...	R...	C...	R...	Stock trans...	Transfer p...
101	GR for asset	<input type="checkbox"/>	<input type="checkbox"/>		B		A	999		
101	GR for sales order	<input type="checkbox"/>	<input type="checkbox"/>		B		E	999		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>		B		P	999		
101	GR for acct. assgt.	<input type="checkbox"/>	<input type="checkbox"/>		B		V	999		
101	GR for asset	<input type="checkbox"/>	<input type="checkbox"/>		F		A	999		
101	GR for acct. assgt.	<input type="checkbox"/>	<input type="checkbox"/>		F		V	999		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	B			101		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	B		E	101		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	B		P	101		
101	GR STO for salesOrSt	<input type="checkbox"/>	<input type="checkbox"/>	E	B	X		101		
101	GR STO for salesOrSt	<input type="checkbox"/>	<input type="checkbox"/>	E	B	X	E	101		
101	GR STO for salesOrSt	<input type="checkbox"/>	<input type="checkbox"/>	E	B	X	P	101		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	F			101		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	F		E	101		
101	GR for sales ord.st.	<input type="checkbox"/>	<input type="checkbox"/>	E	F		P	101		
101	GR for project stock	<input type="checkbox"/>	<input type="checkbox"/>	Q	B			101		
101	GR for project stock	<input type="checkbox"/>	<input type="checkbox"/>	Q	B		P	101		
101	GR STO Project stock	<input type="checkbox"/>	<input type="checkbox"/>	Q	B	X		101		
101	GR STO for project	<input type="checkbox"/>	<input type="checkbox"/>	Q	B	X	P	101		
101	GR for project stock	<input type="checkbox"/>	<input type="checkbox"/>	Q	F			101		
101	GR for project stock	<input type="checkbox"/>	<input type="checkbox"/>	Q	F		P	101		
101	GR for asset	<input type="checkbox"/>	<input checked="" type="checkbox"/>		B		A	101		
101	GR for acct. assgt.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		B		V	101		

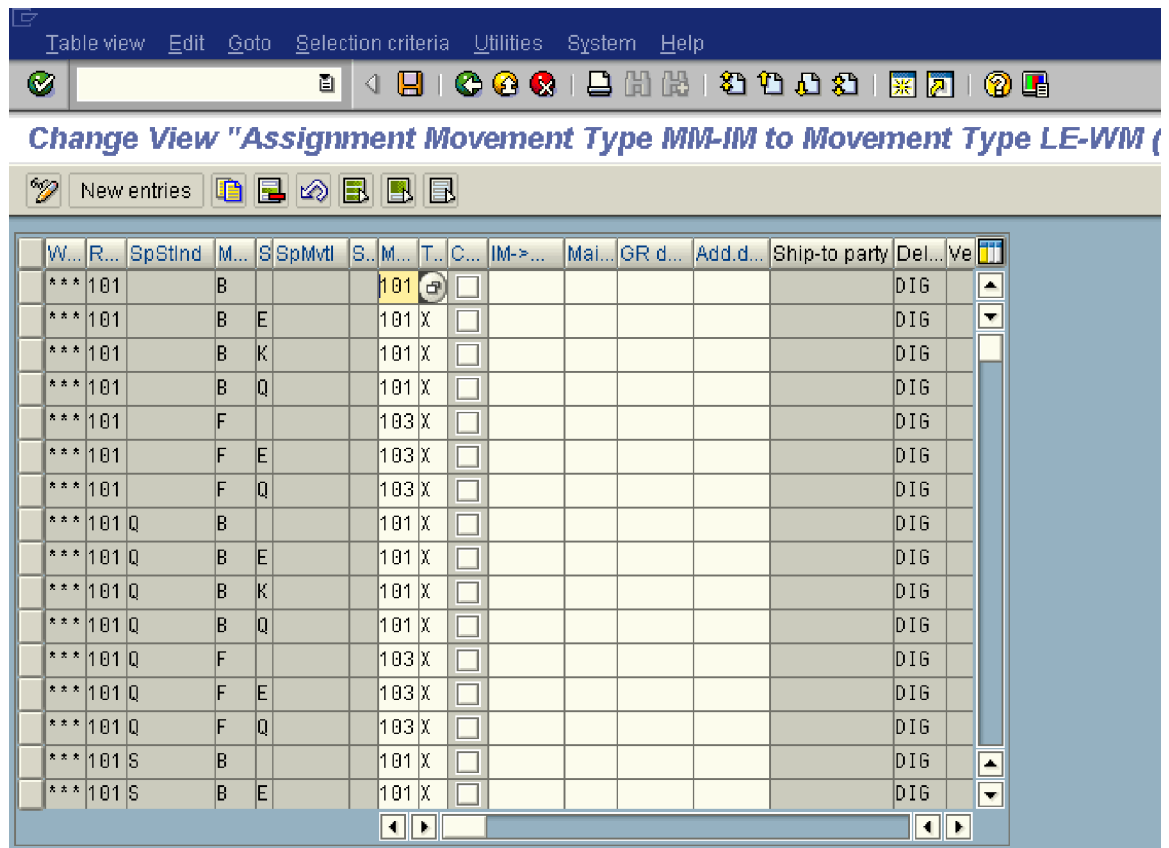
Note: -

Using the reference movement type, you can group together Inventory Management movement types that result in the same movement in the WM system.

Note: - Inventory Management movement types that do not initiate any activity in the Warehouse Management System have the reference movement type 999. Leave this setting as it is.

3. Click 

4. Double click **LE-WM Interface inventory management**












5. Select the rows with *** to copy into IN6 warehouse

6. Click 

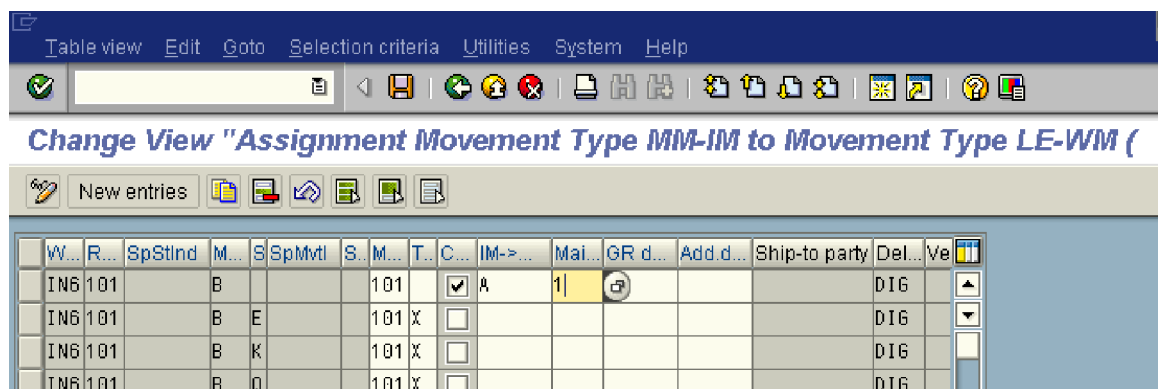
7. Change the warehouse name to IN6

8. Maintain the fields as explained below

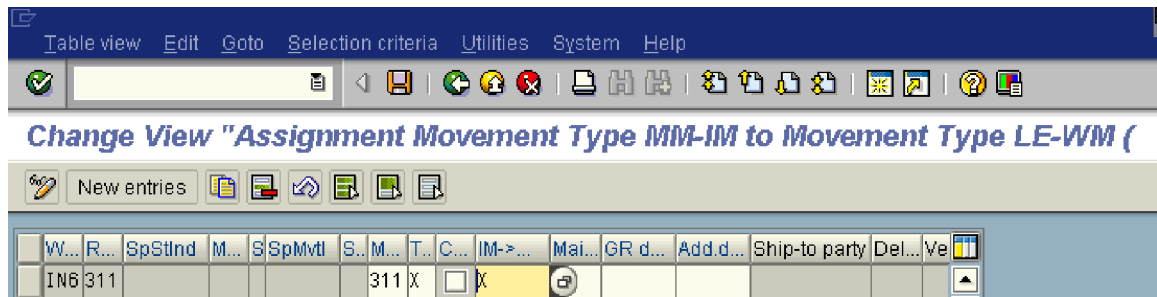
Field Name	Field description and value
W... - warehouse number	Warehouse Number. E.g. IN6
Refe...	Reference movement type. Using the reference movement type, you can group together Inventory Management

	<p>movement types that result in the same movement in the WM system.</p> <p>Note: - Inventory Management movement types that do not initiate any activity in the Warehouse Management System have the reference movement type 999.</p>								
 - Special stock indicator	Key identifying the special indicator. Leave it as it is								
 - movement indicator	Key identifying the movement indicator. Leave it as it is.								
 - Special stock indicator	Key identifying the special stock indicator. Leave it as it is.								
 - Special movement indicator	Key identifying the special movement indicator. This is used to group the material for similar movement types behaviour.								
 -Storage location reference	Storage location reference used for searching. Leave it as it is.								
 - movement type for warehouse management	<p>Key identifying the warehouse management movement.</p> <p>Note: - The movement type influences the creation of the transfer order in many ways (for example, printing, defining the interim storage area confirmation, and so on).</p>								
 - TR create transfer requirements	<p>Key identifying the creation of transfer requirement.</p> <p>Possible entries are</p> <table border="1"> <thead> <tr> <th>TR cre...</th><th>Short text</th></tr> </thead> <tbody> <tr> <td></td><td>Do not create transfer requirement</td></tr> <tr> <td>X</td><td>Create transfer requirement</td></tr> <tr> <td>1</td><td>Cancel existing transfer requirement</td></tr> </tbody> </table>	TR cre...	Short text		Do not create transfer requirement	X	Create transfer requirement	1	Cancel existing transfer requirement
TR cre...	Short text								
	Do not create transfer requirement								
X	Create transfer requirement								
1	Cancel existing transfer requirement								
 - Creation of posting change notices	Tick in this check box will create posting change notices. Note: - when you create TR, leave this blank. You can tick this if you do not create TR.								
 - IN->WM	Key to trigger TO creation in WM.								

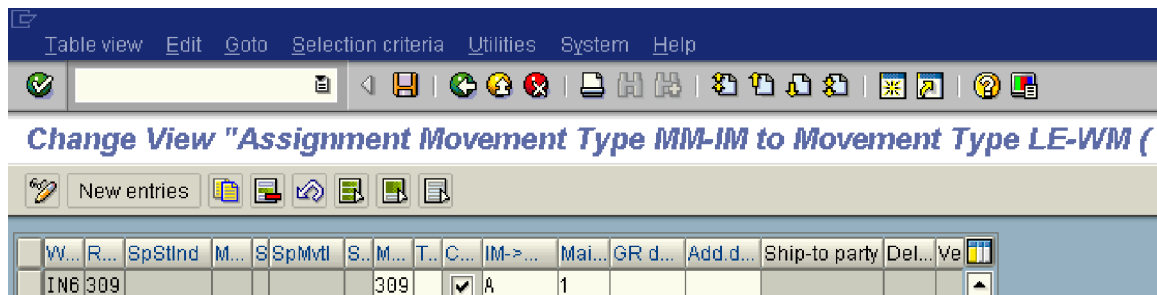
initiate immediate TO creation	<p>Possible entries are</p> <table border="1"> <thead> <tr> <th>T</th><th>Short text</th></tr> </thead> <tbody> <tr> <td>A</td><td>Start transfer order creation in the background</td></tr> <tr> <td>X</td><td>Call up transaction "Create TO for material document" Do not initiate TO creation</td></tr> </tbody> </table>	T	Short text	A	Start transfer order creation in the background	X	Call up transaction "Create TO for material document" Do not initiate TO creation		
T	Short text								
A	Start transfer order creation in the background								
X	Call up transaction "Create TO for material document" Do not initiate TO creation								
Mai... - mail control	Contact person incase of error during TO creation. Enter as per your mail configuration.								
GR d... - Goods receipt date	<p>GR date determination. Used for FIFO materials. Possible entries are</p> <table border="1"> <thead> <tr> <th>R</th><th>Short text</th></tr> </thead> <tbody> <tr> <td></td><td>Goods receipt date = current date</td></tr> <tr> <td>1</td><td>Goods receipt date = Doc.date from material doc.</td></tr> <tr> <td>2</td><td>Goods receipt date = Posting date from material doc.</td></tr> </tbody> </table>	R	Short text		Goods receipt date = current date	1	Goods receipt date = Doc.date from material doc.	2	Goods receipt date = Posting date from material doc.
R	Short text								
	Goods receipt date = current date								
1	Goods receipt date = Doc.date from material doc.								
2	Goods receipt date = Posting date from material doc.								
Add.d... - Additional dialog box	<p>Used to have additional dialog box during posting. Used in Palletization. Possible entries are</p> <table border="1"> <thead> <tr> <th>A</th><th>Short text</th></tr> </thead> <tbody> <tr> <td></td><td>Do not transmit screen window</td></tr> <tr> <td>X</td><td>Transmit screen window for entering goods receipt number</td></tr> <tr> <td>1</td><td>Transmit screen window for entering palletization data</td></tr> </tbody> </table>	A	Short text		Do not transmit screen window	X	Transmit screen window for entering goods receipt number	1	Transmit screen window for entering palletization data
A	Short text								
	Do not transmit screen window								
X	Transmit screen window for entering goods receipt number								
1	Transmit screen window for entering palletization data								



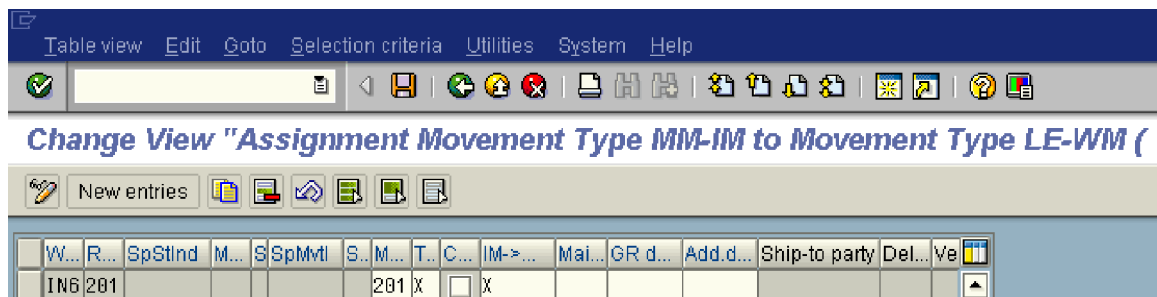
Below screen shows the setting for 311 movement



Below screen shows the setting for 309



Below screen shows the setting for 201



9. Maintain the entries as explained above to all the movement types in warehouse IN6.

10. Click 

23. Define Posting Changes


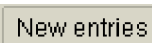
BACKGROUND







This configuration setting enables to define the posting changes for quants.

Posting changes that can be performed in a warehouse is defined here. Example moving stock from Quality to unrestricted or vice versa. Moving stock from unrestricted to blocked or vice versa.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Interfaces → Inventory Management → Define Posting Changes

1. Click 
2. Click 
3. Maintain the entries as explained below

Field Name	Field description and value
 - warehouse number	Key identifying the warehouse number. E.g. IN6
 - movement type	Enter the movement type. E.g. 321 to indicate stock transfer from QI to UR stock
 - movement type	Enter the inventory management movement type. E.g. 321
 - Stock category	Enter the source stock category. E.g. Q to indicate Quality stock
	Enter destination stock category.
	Enter the mail control. E.g. 1 to send mail to the document creator.

4. Click 

5. Click 

Effect of this configuration

This configuration setting enables to perform the posting change in the warehouse.

24. Generate Interim Storage bins

BACKGROUND



This configuration setting enables to define and generate the interim storage bins for a given warehouse.

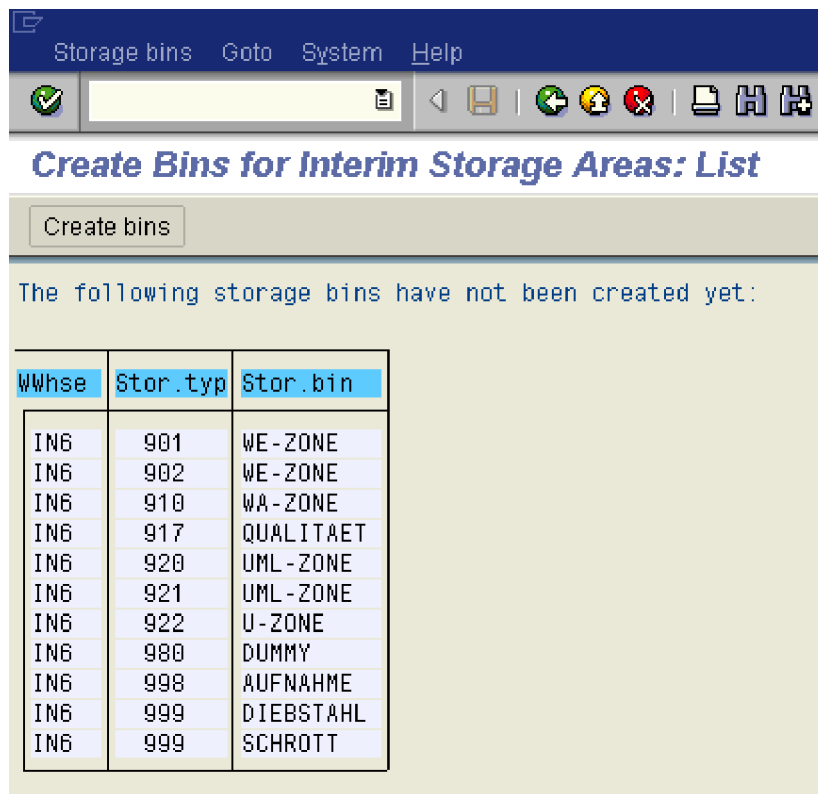
Interim storage bins are mandatory to keep the stock in the intermediate area when triggered by an IM movement.

When receiving a material from vendor, first it will be posted to an interim area of GR receipt area. While posting to this area, system requires bin number.

INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Interfaces → Inventory Management → Generate Interim Storage bins

1. Click 
2. Enter warehouse number. E.g. IN6
3. Click 



4. Click 

5. Message  11 storage bins created will appear at the bottom

Effect of this configuration

While placing the materials in interim storage type, bin number as per this configuration will be used.

25. Allow negative stocks in interim storage types

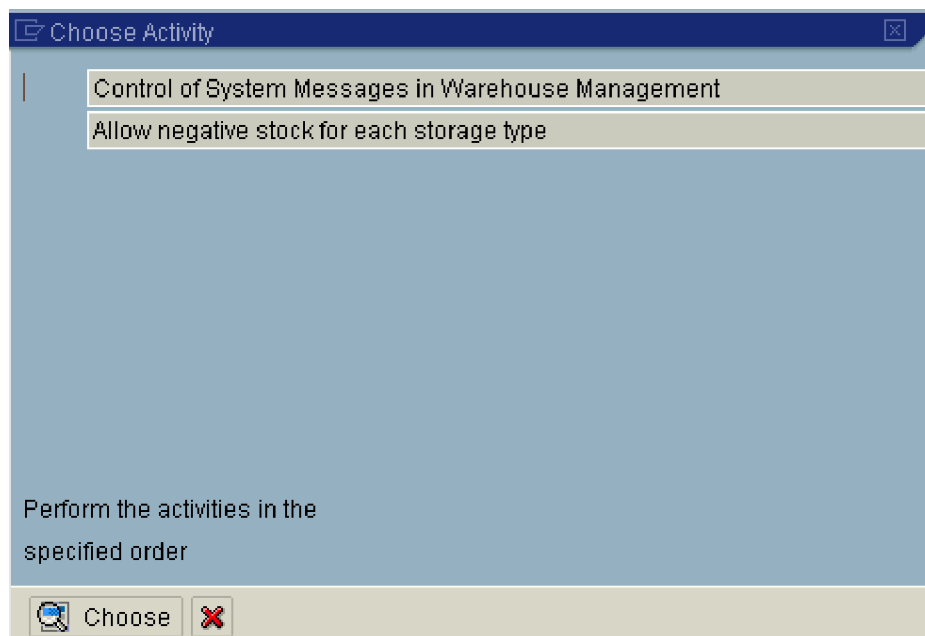
BACKGROUND

This configuration setting enables to control negative stock creation in the storage type and the warehouse related system messages.

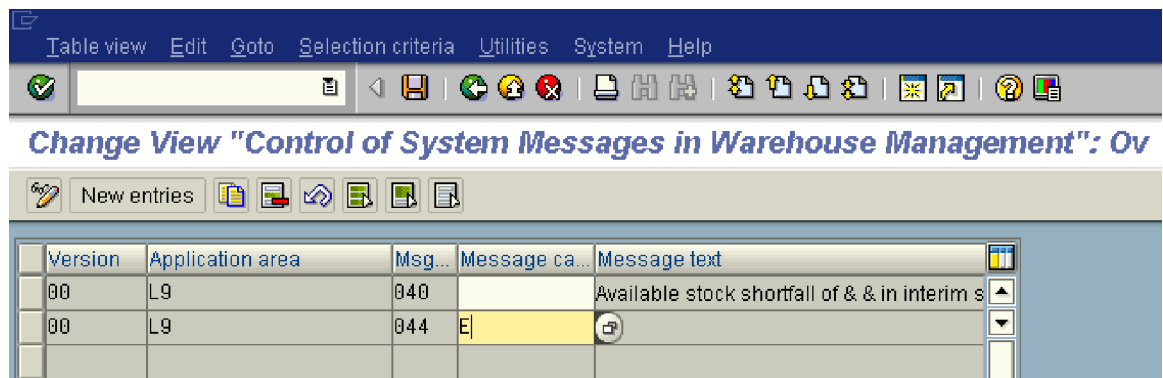
INSTRUCTIONS

Follow the Menu Path: IMG → Logistics Execution → Warehouse Management → Interfaces → Inventory Management → Activate negative stock in interim storage types

1. Click 





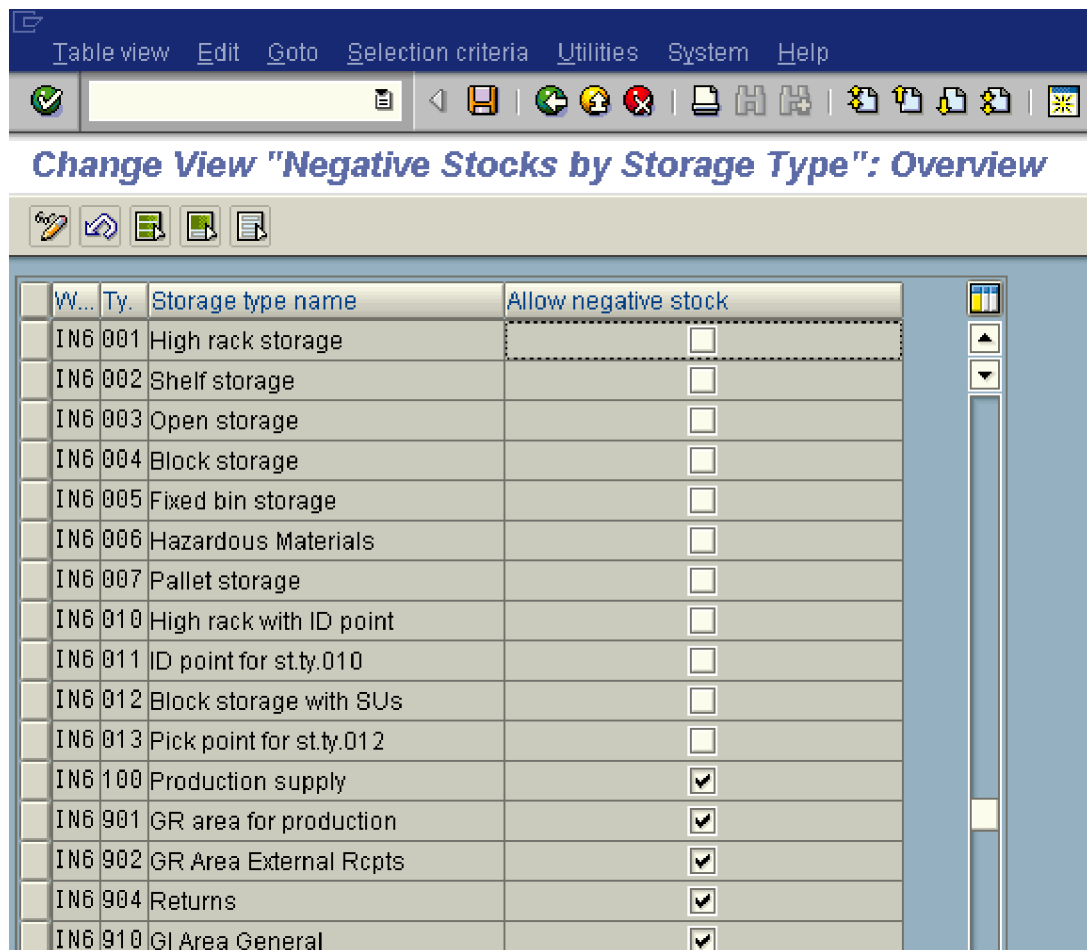
2. Double click **Control of System Messages in Warehouse Management**



- Set the message category for Available stock shortfall message text as per the business requirement
Possible entries are

Cat	Short text
	No message
W	Warning
E	Error message
S	Result message
P	Dialog box
I	Information

- Click 
- Click 
- Double click `Allow negative stock for each storage type`



7. Tick the check box in the **Allow negative stock** column to allow the negative stock

8. Click 

9. Click 

Effect of this configuration

Negative will be allowed at the storage type level as per the configuration setting performed here.

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