Creating Physical Inventory Document (PID)

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI31
------------------	------

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Plant	Ex. <i>BP10</i>	Plant on which inventory is carried on
Storage Location	Ex. 0001	where materials are stored
Material Marked for Deletion	Ex. Unchecked	To exclude items which are already marked for deletion (inactive)
Control	Ex. Select data and issue log	To provide control for the user to select list of items to be included in the document
Name of Session	Ex. BP02MMM0001	For identification of who created the PID Format: Plant + Initials + Sloc
Issue Log	Ex. Checked	Specifies that a log is issued onscreen after processing.
Max. No. Items / Doc	Ex. 300	To maximize line items of each documents
Selection Acc. to Stock Balance		
Unrestricted Use	Ex. Checked	Indicates that the unrestricted-use stock is affected by the transaction (goods movement, physical inventory).
Incl. Matls Subj. to Phys. Inv.	Ex. Checked	Selects for physical inventory those materials for which a physical inventory has already been carried out.
Data in Phys. Inv. Docmt Header		
Planned Count Data		Indicates the date on which the physical inventory count is to take place.
Set posting block	Ex. Checked	Indicates that no goods movements involving the materials listed in the physical inventory document can be posted for the duration of a physical inventory count.

Selected Data for Phys. Inventory Docmts W/o Special Stock
• II
Database Selections
Material
Plant BP02 to S
Material Type to
Storage Location 0001 Material Type to Material Group to Storage Bin Description to
Storage Bin Description to 🖻
Materials Marked for Deletion
Control
Select data and issue log
O Generate Batch Input Name of Session BP02MM0001
Ocreate dcmts directly Hold processed sessions
✓ Issue Log
Max. No. Items/Doc. 300
No. Mtls to be Included
Selection Acc. to Stock Balance
Acc. to Stck
Data in Phys. Inv. Docmt Header
Planned Count Date 01/10/2013 Set posting block
Physical Inventory Number Freeze book inv.bal.
Phys. Inventory Ref.
Click Acc. to Stck Acc. to Stck button in Selection Acc. to Stock Balance.
Selection Acc. to Stock Balance
✓ Acc. to Stck
Threshold Value for Stock
SP Threshold Value for VO Mat. Exclude from selectio
Only Materials with Zero Stock
Only Materials W/o Zero Stock
Only Materials with Negative Stock
Stock Types
✓ Unrestricted Use ✓ Incl. Matls Subj. to Phys. Inv.
In Quality Inspection Incl. Btchs Subj. to PhysInv
Blocked
Value-Only Matls

3. Click the **Execute** button. List of per Material, Stock Type and Batch will be displayed.

Selected Data for Phys. Inventory Docmts W/o Special Stock							
7 4 7 5 5 1 0	Generate Session	Create Doci	uments				
*** S t a t i s t i c s *** Total No. Stock Mgmt Units for Phys. Inventory 1,945 No. of Possible Phys. Inv. Docmt Items 1,945 No. of Errors Found 0							
Plnt SLoc Material Msg. Note	Batch	STY Bin	Matl Group PhysInvDo)c Status			
BP10 0001 FG00035	000001	1	CDOFPMOOL				
BP10 0001 FG00035	000001	2	CDOFPM001				
BP10 0001 FG00035	000001	4	CDOFPMOOL				
BP10 0001 FG00286	000001	1	CD0FPM001				
BP10 0001 FG00286	000001	2	CDOFPMO01				
BP10 0001 FG00286	000001	4	CD0FPM001				
BP10 0001 FG00359	000000031	1	CD0FPM001				
BP10 0001 FG00359	000000031	2	CDOFPM001				
BP10 0001 FG00359	000000031	4	CDOFPM001				
BP10 0001 FG00359	000001	1	CDOFPM001				

4. Click Select All 🗟 button to select all line items and then click Create Documents Physical Inventory Documents created will be displayed.

Physical Inventory Documents Were Created Directly								
78 A	🔞 🖗 🗐 🔜 🗈 🛙 Show Result							
		istics***	Diese Teesee		1.045			
		ock Mgmt Units for Inv. Docmt Items D			1,945 1,945			
No. of 1			recovery one.	4004	0			
					Ť			
Dint	SLog	Material	Batch	STy Bin	Matl Group	PhysTorDog		
Msg.		Maceriai	batten	SIY DIN	Maci Group	-	Status	
nog.	NOCC						Seacas	
BP10	0001	FG00035	000001	1	CDOFPM001	100003693		
							Create	Docmt
BP10	0001	FG00035	000001	2	CD0FPM001	100003693		
							Create	Docmt
BP10	0001	FG00035	000001	4	CD0FPM001	100003693		
		FG00286					Create	Docmt
BPIO	0001	FG00286	000001	1	CD0FPM001	100003693	Create	Denne
BRID	0001	FG00286	000001	2	CDOFPM001	100003693	LIEALE	DOCWC
DITO	0001	1000200	000001	2	CDOLLHOOT		Create	Docmt
BP10	0001	FG00286	000001	4	CDOFPM001	100003693	oreade	20020
							Create	Docmt
BP10	0001	FG00359	0000000031	1	CD0FPM001	100003693		
							Create	Docmt
BP10	0001	FG00359	000000031	2	CDOFPMOOL	100003693		
							Create	Docmt
BP10	0001	FG00359	0000000031	4	CDOFPM001	100003693		
							Create	Docmt
BP10	0001	FG00359	000001	1	CD0FPM001	100003693	C	_
							C	T

Result

Physical Inventory Documents have been created for items in storage location 0001.

\mathbf{P} To create PID for Stock Types: In Quality Inspection, repeat nos 1 - 4.

Field name	User action and values	Comment
Selection Acc. to Stock Balance		
In Quality Inspection	Ex. Checked	Indicates that the stock in quality inspection is affected by the transaction (goods movement, physical inventory).
Incl. Matls Subj. to Phys. Inv.	Ex. Checked	Selects for physical inventory those materials for which a physical inventory has already been carried out.

Stock Types	
Unrestricted Use	✓ Incl. Matls Subj. to Phys. Inv.
✓ In Quality Inspection	🗌 Incl. Btchs Subj. to PhysInv
Blocked	
Value-Only Matls	



To create PID for **Stock Types: Blocked**, repeat nos 1 - 4.

Field name	User action and values	Comment
Selection Acc. to Stock Balance		
Blocked	Ex. Checked	Indicates that the blocked stock is affected by the transaction/event (goods movement, physical inventory).
Incl. Matls Subj. to Phys. Inv.	Ex. Checked	Selects for physical inventory those materials for which a physical inventory has already been carried out.

Stock Types	
Unrestricted Use	✓ Incl. Matls Subj. to Phys. Inv.
In Quality Inspection	Incl. Btchs Subj. to PhysInv
Blocked	
Value-Only Matls	

Displaying List of Physical Inventory Documents (PID)

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI24
------------------	------

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Plant	Ex. <i>BP10</i>	Plant on which inventory is carried on
List Diaplay	Ex. Group by Physical Inventory Document	To group list by PID; for ease in viewing
Storage Location	Ex. Blank	Optional, to display list per storage location or just display all PID

Physical Inventory List			
⊕ ∐			
Database Selection Material Plant Storage Location Batch Physical Inventory Document Physical Inventory Number Status Sel. for Phys. Inventory Documents Phys. Inventory Items	[BP10 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
List Scope			
Special Stock Fiscal Year Count Date Planned Count Date Phys. Inventory Ref. Reason for Inventory Diff. Threshold Value		to	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Display Options Layout			
List Display Single List Group by Plant and Storage Location Group by Physical Inventory Documer	nt		

3. Click the **Execute** button. List per PID will be displayed.

P	hys	ical i	Inve	nte	ory	' Lis	t												
4	•	• •	I 🔍	д	7	R	R	78	F	ទា	Por	st Diffe	ere	nce (hange (οu	int	Ente	r Co
1	`		20	-	-	د ر <u>ت</u>		ur .				ot Dinit	0.0		nango (Erree	
	-	InvDoc		SL	oc				_	. inv									
]	tem	Mater	ial			Ba	atch	1		Phys.	. i	nv. s	sta	tus	Stock	ty	pe		
1	000	01513	BP10	00	01	0120	111												
7		FG886		00			0000	11		Cnted	۹.	adi	d.	eleted	Wareho	nus	e		
1	_	FG886				_	0000								Qualit			oecti	on
í.		FG886					0000								Blocke	_			
i		FG886					0071								Wareho		e		
1	5	FG886	03			10	0071	LO							Qualit			oecti	on
1	6	FG886	03			10	0071	LO							Blocke	_			
1		FG886				10	0081	LO							Wareho		e		
1	8	FG886	03			10	0081	LO							Qualit			oecti	on
1	9	FG886	03				0081								Blocke	_			
1	.0000	01514	BP10	00	01	0120	011												
	1	FG886	03			1(0213	116		Cnted	1,	adj.,	, d	eleted	Blocke	ed			
	2	FG886	03			10	0211	179		Cnted	1,	adj.,	, d	eleted	Wareho	us	e		
	3	FG886	03			10	0213	179		Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
	4	FG886	03			10	0213	179		Cnted	1,	adj.,	, d	eleted	Blocke	ed.			
	5	FG886	03			10	0311	175		Cnted	1,	adj.,	, d	eleted	Wareho	us	e		
	6	FG886	03			10	0311	175		Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
	- 7	FG886	03			10	0311	175		Cnted	1,	adj.,	, d	eleted	Blocke	ed.			
	8	FG886	03			10	0413	175		Cnted	1,	adj.,	, d	eleted	Wareho	us	e		
	9	FG886	03			10	0413	175		Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
	10	FG886	03			10	0413	175		Cnted	1,	adj.,	, d	eleted	Blocke	ed.			
	11	FG886	03			10	0511	175		Cnted	1,	adj.,	, d	eleted	Wareho	us	e		
	12	FG886	03			10	0513	175		Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
	13	FG886	03			10	0513	175		Cnted	1,	adj.,	, d	eleted	Blocke	ed.			
	14	FG886	03			1:	2293	106'	7	Cnted	1,	adj.,	, d	eleted	Wareho	ous	e		
	15	FG886	03			1:	2293	106'	7	Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
	16	FG886	03			1:	2293	106'	7	Cnted	1,	adj.,	, d	eleted	Blocke	ed			
	17	FG886	03			1:	2293	L073							Wareho		e		
]	18	FG886	03			1:	2291	L073	5	Cnted	1,	adj.,	, d	eleted	Qualit	y	ins	pecti	on
]	19	FG886	03			1:	2291	L073	5	Cnted	1,	adj.,	, d	eleted	Blocke	ed			
1	20	FG886	03			13	2291	079	9	Cnted	4	the	d	eleted	Wareho	1119	e		

Result

List of items per PID will be displayed.

Deleting Physical Inventory Documents (PID)

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI02
Transaction code	

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Phys. Inventory Doc.	Ex. 100001513	PID to be deleted
Fiscal Year	Ex. 2011	Year on which PID was created

Change Physical Inventory Document: Initial Screen
🚇 🗋 🖉 🛅 Other Phys. Inventory Doc.
Phys. Inventory Doc. 100001513
Fiscal Year [2011]

3. Click the **Delete** button. A confirmation message will be displayed. Click **Yes** to confirm or **No** to cancel deletion

Result

PID deleted. New PID number for the items in the deleted PID can now be regenerated.

Printing Physical Inventory Document

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Fiscal Year	Ex. 2011	Year when PID was created
Plant	Ex. <i>Bp10</i>	Plant on which PID was carried out

Print Physical Inventor	y Document			
(b)				
Physical Inventory Document Fiscal Year Plant Storage Location Planned Count Date Physical Inventory Number Phys. Inventory Ref.	2011 BP10	to	<u>\$</u> \$ \$ \$	
Grouping Criterion Material Group Storage Bin		to to	<u>ବ</u> ବ	
Status Selection for Phys. Inventory Documents Phys. Inventory Items				
Setting				
Sort By Special Stock Output Device New Spool Request				
Expand Value-Only Matls Sorting of Serial Numbers		▼		

3. Click **Execute** button. A Print Dialog box will appear, click **Print**. Printout like the one below will be displayed.

Phys Crea Plan Phys	t : BP10 ription : Paso De Blas Factory Stores . inv. doc. : 100001511 ted by : MISLRB ned count date : 01/21/2011 . inv. reference: . inv. no. :	
 Itm	Material Batch Mat. short text Status of item	SLoc Stor. bin Stock type Counted qty. Un
 001	FG35018 000001	0001
	FG-CDO LUNCHEON HAM .220K	Warehouse
	cnted, recntd, deleted	PAC
002	FG35018 000001	0001
	FG-CDO LUNCHEON HAM .220K	Quality inspection
	cnted, recntd, deleted	PAC
003	FG35018 000001	0001
	FG-CDO LUNCHEON HAM .220K	Blocked
	cnted, recntd, deleted	PAC
004	FG35018 109110101	0001
	FG-CDO LUNCHEON HAM .220K	Warehouse
	cnted, recntd, deleted	PAC
005	FG35018 109110101	0001
	FG-CDO LUNCHEON HAM .220K	Quality inspection
	cnted, recntd, deleted	PAC
006	FG35018 109110101	0001
	FG-CDO LUNCHEON HAM .220K	Blocked
	cnted, recntd, deleted	PAC
007	FG35018 1229100101	0001
	FG-CDO LUNCHEON HAM .220K	Warehouse
	cnted, recntd, deleted	PAC
008	FG35018 1229100101 FG-CDO LUNCHEON HAM .220K	0001
	RC-CDO LUNCHROM HAM VY/HZ	Quality inspection

Result

You now have a hard copy of the PID. Use that copy to record the count of material. This will then be used as reference in entering the material count in the next process.

Entering Inventory Count

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI04

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Phys. Inventory Doc.	Ex. 100003693	PID no
Fiscal Year	Ex. 2011	Year when PID was created
Count Date	Ex. 01/25/2011	Date of the actual inventory count

Enter Inventory	Count: Initial Screen
🚇 🖉 Other Count	
Phys. Inventory Doc. Fiscal Year	<mark>10000β693</mark>]⊐ 2011
Date	
Count Date	01/25/2011
Other Information	
Variance in %	

3. Press Enter or click the Collective Processing 🖉 button. List of items contained in the document will be displayed.

_	🦉 🚨 Physical Invent	ory History	Set Zero Cour	ht Other C	ount		
ant	BP10 Paso De B	Blas Factory St	ores				
	Loc. 0001 FPM FG V	vhse.					
tem							
Etm	Material	Batch	Sales Value		Quantity	UnE	zc
_	Material Description		1	STY	Quantity	SKU	
1	FG00035	000001			100	PAC	
_	FG-HOL.CDOG FLONG (1	1	100	PAC	
2	FG00035	000001				PAC	✓
	FG-HOL.CDOG FLONG (1	2	0	PAC	
3	FG00035	000001				PAC	✓
	FG-HOL.CDOG FLONG (12PCS) 1.00K		4	0	PAC	
4	FG00286	000001			100	PAC	
	FG-CDO HolHam (ExWt)) 1k w/ FREE	Hol Bag	1	100	PAC	
5	FG00286	000001				PAC	✓
	FG-CDO HolHam (ExWt) 1k w/ FREE	Hol Bag	2	0	PAC	
6	FG00286	000001				PAC	✓
	FG-CDO HolHam (ExWt)) 1k w/ FREE	Hol Bag	4	0	PAC	
7	FG00359	000000031			100	PAC	
	FG-CDO IDOL CDOG GO	BALLS .500K		1	100	PAC	
8	FG00359	0000000031				PAC	✓
	FG-CDO IDOL CDOG GC	BALLS .500K		2	0	PAC	
9	FG00359	0000000031				PAC	✓
	FG-CDO IDOL CDOG GC	BALLS .500K		4	0	PAC	

- 4. Enter the actual count for each material. *Check* ✓ the corresponding **ZC** column for items with zero (0) inventory. Click any of the *Page* navigation tools ⁽¹⁾ ⁽¹⁾ ⁽²⁾ ⁽
- 5. Click **Save** button to save count.

Result

Count has been assigned for each material in the PID.

Changing Inventory Count

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI05

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Phys. Inventory Doc.	Ex. 100003693	PID no
Fiscal Year	Ex. 2011	Year when PID was created

Change Invento	ry Count: Initial Screen
🚇 🦉 Other Count	
Phys. Inventory Doc.	100003693 🗇
Fiscal Year	2011
Other Information	
Variance in %	

3. Press Enter or click the Collective Processing 🖉 button. List of items contained in the document will be displayed.

P	Change Inve	entory Co	unt 1000	03693 :	Collect.Process	sing
4	🦉 🧟 Physical Invent	ory History	Other Count			
Plant	BP10 Paso De E	as Factory St	ores			
Stor.	Loc. 0001 FPM FG W	/hse.				
Item	IS					
Itm	Material	Batch	Sales Value	•	Quantity	UnE ZC
	Material Description			STy	Quantity	SKU
1	FG00035	000001			200	PAC
	FG-HOL.CDOG FLONG (:	12PCS) 1.00K		1	200	PAC
2	FG00035	000001]			PAC 🖌
	FG-HOL.CDOG FLONG (:	12PCS) 1.00K		2	0	PAC
3	FG00035	000001				PAC 🖌
	FG-HOL.CDOG FLONG (:	12PCS) 1.00K		4	0	PAC
4	FG00286	000001			100	PAC
	FG-CDO HolHam (ExWt)	1k w/ FREE	Hol Bag	1	100	PAC
5	FG00286	000001				PAC 🖌
	FG-CDO HolHam (ExWt)	1k w/ FREE	Hol Bag	2	0	PAC
6	FG00286	000001				PAC 🖌
	FG-CDO HolHam (ExWt)	1k w/ FREE	Hol Bag	4	0	PAC
7	FG00359	0000000031			100	PAC
	FG-CDO IDOL CDOG GO	-BALLS .500K		1	100	PAC
8	FG00359	0000000031				PAC 🖌
	FG-CDO IDOL CDOG GO	-BALLS .500K		2	0	PAC
9	FG00359	0000000031				PAC 🖌
	FG-CDO IDOL CDOG GO	-BALLS .500K		4	0	PAC
					Entry	1 <u>of</u> 300

- 4. Enter the new value for the count for each material. *Check* I the corresponding **ZC** column for items with zero (0) inventory. Click any of the *Page* navigation tools T is to proceed from one page to another.
- 5. Click **Save** 📙 button to save count.

Result

Count has been changed for each material in the PID.

Displaying Inventory Count

Procedure

1. Access the transaction using: SAP Graphical User Interface (SAP GUI)

Transaction code	MI06

2. On the Initial Screen, fill-in the following:

Field name	User action and values	Comment
Phys. Inventory Doc.	Ex. 100003693	PID no
Fiscal Year	Ex. 2011	Year when PID was created

Display Inventor	y Count : Initial Screen
₽ <u>%</u>	
Divertime Dee	100003693 🗇
Phys. Inventory Doc.	
Fiscal Year	2011

Result

List of items contained in the document will be displayed.

List Count Differences

Procedure

1. Access the transaction using:

Option 1: SAP Graphical User Interface (SAP GUI)

SAP ECC menu	Logistics \rightarrow Logistics Execution \rightarrow Internal Whse Processes \rightarrow Physical Inventory \rightarrow In Inventory Management \rightarrow Difference \rightarrow Difference List
Transaction code	MI20

2. On the initial screen, enter the following values:

Field name	User action and values
Plant	
Physical Inventory Document	Enter your inventory document number if not already proposed by system

3. Choose Execute.

Result

The system generates a report of count differenced which can be printed if required.

Recount

Use

This step is only necessary if the warehouse manager or controller decides to recount a material.

Procedure

1. Access the transaction using the following navigation option: Option 1: SAP Graphical User Interface (SAP GUI)

SAP ECC menu	Logistics \rightarrow Logistics Execution \rightarrow Internal Whse Processes \rightarrow Physical Inventory \rightarrow In Inventory Management \rightarrow Count Results \rightarrow Recount
Transaction code	MI11

2. On the initial screen, enter the following values and choose Enter.

Field name	User action and values
Physical Inventory Document	Enter your physical inventory document number
Planned Count date	Change if different from original planned count date

- 3. Select materials to recount and choose Save.
- 4. Repeat steps from Printing of PI documents.

Result

A new physical inventory document is created.

Post Differences

Use

Once the count is reviewed by the Warehouse Manager, the Warehouse Monitoring can post the inventory count differences.

Procedure

1. Access the transaction using the following navigation option: Option 1: SAP Graphical User Interface (SAP GUI)

SAP ECC menu	Logistics \rightarrow Logistics Execution \rightarrow Internal Whse Processes \rightarrow Physical Inventory \rightarrow In Inventory Management \rightarrow Difference \rightarrow Difference List
Transaction code	MI20

2. On the initial screen, enter the following values:

Field name	User action and values	
Plant		
Physical Inventory Document	Enter your Physical Inventory Document number if not yet proposed by system	

- 3. Choose Execute.
- 4. On the List of Inventory Differences screen, select the relevant document(s) and choose Post Difference.
- 5. On the following screen choose Save.

Result

- 1. The system generates material document(s), accounting document(s), and controlling document(s).
- 2. Financial Postings

Posting Key	Account	Description	Note
89/99	131000 or 135010 or 133000	Inventory raw materials Trading goods Semi - finished products	Depending on material type
91/81	520010	Gain / Loss - inventory diffs	

Appendix

Reversal of Process Steps

See the *Recount* section for the reversal handling. Alternatively input errors can be corrected by going through the complete process again.

Design Consideration / Assumptions

Due to the delay between a material movement and the posting of that movement, there is a short-term discrepancy between actual warehouse stock and book inventory. To avoid such a discrepancy during physical inventory, materials can be blocked for posting during the physical inventory. The inventory count and adjustment scenario does not block materials as this step is only necessary if physical counts were to take place during normal operations.

You can set a posting block in the following two ways, if required:

- You block the relevant materials when you enter the physical inventory document. This is recommended if you create the physical inventory document immediately before the count.
- You block the relevant materials later by changing the posted physical inventory document. This is recommended if you do not create the physical inventory document immediately before the count.

The posting block is automatically cancelled when you post the counting results for the physical inventory document.