|  |  |
| --- | --- |
|  |  |
| Test Script  SAP S/4HANA - 17-09-20 | public |
| Physical Inventory in Warehouse (1FW\_DE) |

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# Purpose

In this process, you create physical inventory (PI) documents for a chosen number of storage bins or products on a regular basis to distribute the workload for physical inventory over the year. You carry out the counting using a radio-frequency (RF) device or paper.

By posting the PI documents, you adjust the book inventory in the storage bins to align it with the physical inventory counts. To adjust the stock accounts, the system automatically posts all differences up to a certain value with a background job. At different points in the process, tolerance checks control the count results and final postings that adjust the stock situation. Along with this process, you monitor the progress of your physical inventory within the warehouse monitor.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Warehouse Clerk (EWM) | SAP\_BR\_WAREHOUSE\_CLERK\_EWM | Warehouse Office | SAP\_BR\_WAREHOUSE\_CLERK\_EWM |  |
| Warehouse Operative (EWM) | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM | Warehouse Floor | SAP\_BR\_WAREHOUSE\_OPERATIVE\_EWM |  |

## Master Data, Organizational Data, and Other Data

Use the following master data in the process steps described in this document. In this example, warehouse storage types Y011and Y021 are prepared for inventory. Storage types can generally be enabled for physical inventory in the same way as described in the corresponding chapters in configuration guide BLV.

Product Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Material | EWMS4-01 | Small Part, Slow-Moving Item | Small Part – stored in Storage Type Y011 and Y021 |
| Material | EWMS4-02 | Small Part, Fast-Moving Item | Small Part – stored in Storage Type Y011 and Y021 |
| Material | EWMS4-10 | Large Part, Slow-Moving Item | Large Part – stored in Type Y011 |
| Material | EWMS4-11 | Large Part, Fast-Moving Item | Large Part – stored in Type Y011 |

For more information on creating these material master data objects, see the following Configuration Guides:

|  |  |
| --- | --- |
| Configuration Guide for Material Master Creation | Description |
| BL5 | Material, Sample Master Data for EWM |
| BL9 | Material Related Sample Master Data for EWM [Local]  Section Material Master |

Physical Inventory Procedures in

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Physical Inventory Procedure | AS | Annual Physical Inventory (Product-Specific) | Allowed for Activity Area (matching corresponding Storage Type) Y021 |
| Physical Inventory Procedure | AL | Annual Physical Inventory (Storage-Bin-Specific) | Allowed for Activity Area (matching corresponding Storage Type) Y011 |
| Physical Inventory Procedure | HL | Ad-hoc Physical Inventory (Storage-Bin-Specific) | Not meant for annual inventory, but for improving the material management. |
| Physical Inventory Procedure | HS | Ad-hoc Physical Inventory (Product-Specific) | Not meant for annual inventory, but for improving the material management. |

Warehouse-specific Organizational Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Supply Chain Unit | YWAREHOUSE-1010 |  |  |
| Warehouse Number | 1010 |  |  |

Warehouse specific Master Data:

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Activity Area | Y011 | Physical Inventory Area  1010PI1 |  |
| Activity Area | Y021 | Physical Inventory Area  1010PI2 |  |

## Business Conditions

Before this scope item can be tested, the following business conditions must be met.

|  |  |  |
| --- | --- | --- |
|  | Scope Item | Business Conditions |
| 1 | In storage types Y011,Y021,Y041,Y042, Handling Units and product stock are mandatory. Since the HU and product stock are usually created during inbound, it is recommended to run inbound processes or perform stock upload to create stock. | See the corresponding Basic Warehouse Inbound Processing from Supplier scope items and the Initial Stock Upload for Warehouse scope item. |
| 2 | Open New MM Period | You have completed the step described in the Open New MM Period master data script. Posting Period is up to date. |

## RFUI Handling – Verification

During the execution of various warehouse tasks (putaway, picking or internal movement etc.) using the RFUI environment, there are steps to ‘verify’ certain values, such as Destination Bin, Packaging Material or Handling Units. To execute this kind of steps, copy the value to be verified and paste into the verification field next to the original value field, and choose Enter to confirm.

## Preliminary Steps

The steps described below sometimes assign your individual logon user to functions of the physical inventory process.

Make sure these assignments have been done for the logon user you are going to use. However, you only need to do this once per logon user, but you need to do it as otherwise, the logon user cannot run through the process steps described in chapter Test Procedures.

### Assign User to Tolerance Group for Recount/Clearing

Procedure

Use

Context

In this transaction you assign individual logon users to tolerance groups which have previously been defined in the system configuration (refer to the BLV building block configuration guide).

Generally, the assignment of users to tolerance groups determines whether a logon user can post differences or enter values within the tolerance boundaries.

The assignment is also subdivided by activity area. The examples assume physical inventory activities in the areas of the main storage types Y011, Y021, respectively, in the activity areas with the same ID as the corresponding storage type.

Without having such assignment of your user, you may not be able to do a difference posting as later described in the process step description.

For demo and testing purposes, the simplest way to have no restrictions is to assign a user to the "SUPERVISOR" tolerance group since this group "bypasses" any value restrictions.

In a productive system environment, of course, you would follow a much more restrictive policy.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, chooseEWM – Physical Inventory Settings and then choose Assign Tolerance Group - Count Confirmation (/SCWM/PI\_USER). |  |  |
| 3 | Close the Warning Message | If there is a warning message for initial value, choose Continue to confirm it. |  |  |
| 4 | Set Default Value | Choose More > Table View > Other View  Make the following entries:  Warehouse Number:  1010  Choose Enter. |  |  |
| 5 | Switch to Edit Mode | Choose Edit. |  |  |
| 6 | Assign to Tolerance Group | Choose New Entries and make the following entries:  If you logon as a counter, make the following entry:  User: user counter  AA: Y011  Tol. Grp Posting:  Tolerance Group Recount: COUNTER  Enter the similar settings for Y021:  User: user counter  AA: Y021  Tol. Grp Posting:  Tolerance Group Recount: COUNTER  If you logon as a clerk, make the following entry:  User: user clerk  AA: Y011  Tol. Grp Posting: CLERK  Tolerance Group Recount: COUNTER  Enter the similar settings for Y021:  User: user clerk  AA: Y021  Tol. Grp Posting: CLERK  Tolerance Group Recount: COUNTER  If you logon as a supervisor, make the following entry:  User: user supervisor  AA: Y011  Tol. Grp Posting: SUPERVISOR  Tolerance Group Recount: COUNTER  Enter the similar settings for Y021:  User: user supervisor  AA: Y021  Tol. Grp Posting: SUPERVISOR  Tolerance Group Recount: COUNTER  For testing purpose of this test script, make sure to assign " SUPERVISOR" to your user for all Activity Areas.  Choose Save. |  |  |
| 7 | Repeat Steps | Repeat step 1 – 6 if you logon with role Warehouse Operative (EWM) and want to use Alternative 2: RF-Based Counting for counting |  |  |

### Assign User to Tolerance Group for Difference Analyzer

Context

In this transaction you assign individual logon users to tolerance groups which have previously been defined in the system configuration (refer to the BLV building block configuration guide). Generally, the assignment of users to tolerance groups determines whether a logon user can view and process differences in the Difference Analyzer.

For demo and testing purposes, the simplest way to have no restrictions is to assign a user to the "SUPERVISOR" tolerance group since this group "bypasses" any value restrictions.

In a productive system environment, of course, you would follow a much more restrictive policy.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Settings and then choose Assign Tolerance Group - Difference. |  |  |
| 3 | Close the Warning Message | If there is a warning message for initial value, choose Continue to confirm it. |  |  |
| 4 | Set Default Value | Choose More > Table View > Other View  Make the following entries:  Warehouse Number1010  Choose Enter. |  |  |
| 5 | Switch to Edit Mode | Choose Edit. |  |  |
| 6 | Assign Tolerance Group | Choose New Entries to create entries as needed. Here you need to make assignments to real users you use in your system, therefore, the users given in <> brackets are only examples.  If you logon as a background job user, make the following entry:  User: user Background  TolGr Diff.Analyzer: BACKGROUND  If you logon as an EWM Warehouse Clerk, make the following entry:  User: user Clerk  TolGr Diff.Analyzer: CLERK  If you logon as a supervisor , make the following entry:  User: user Supervisor  TolGr Diff.Analyzer: SUPERVISOR  Choose Save. |  |  |

|  |  |
| --- | --- |
| User | TolGr Diff. Analyzer |
| User Background | BACKGROUND |
| User Clerk | CLERK |
| User Supervisor | SUPERVISOR |

### Default Values for Fiori Tile: Create Physical Inventory Documents

Context

This procedure sets the default values for Fiori Tile: Create Physical Inventory Documents (F3197).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access Access the Apppp | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Create Physical Inventory Documents (F3197). |  |  |
| 3 | Set Default Values | On the Phys. Inv. Doc. – Create – Whse No. 1010 - Phys. Inv. Proced. AL screen, choose Default Values (F5).  In the Phys. Inv. Doc... dialog box, make the following entries:  Warehouse Number: 1010  Phys. Inv. Procedure: AL or AS  Propose Ind.: [X]  Choose Continue (Enter).  For Activity Area Y011, Y041,Y042, use AL – the storage-bin-specific annual count method.  For Activity Area Y021, use AS – the product-specific annual count method.  Flags all searched items automatically with green status, which means they will be part of the inventory document. Alternatively, you have to select the items and choose the Set Flag manually. |  |  |

### Default Values for Fiori Tile: Count Physical Inventory

Context

This procedure sets the default values for Fiori Tile:Count Physical Inventory.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Open Count Physical Inventory. |  |  |
| 3 | Set Default Values | Choose Default Values and make the following entries:  Warehouse Number: 1010  Document Year: <Current Year>  Choose Continue (Enter). |  |  |

### Default Values for Fiori Tile: Analyze Differences

Context

This procedure sets the default values for Fiori Tile: Analyze Differences (/SCWM/DIFF\_ANALYZER).

The Difference Analyzer is a tool to track and process stock/inventory differences in the warehouse, not only as a result of physical inventory. The settings described below "limit" the scope of the analyzer to differences originating from physical inventory postings which have led to a difference. However, the difference analyzer is usually used for a wider scope. Please refer to the system documentation if you need comprehensive explanation on the difference analyzer.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Analyze Differences (/SCWM/DIFF\_ANALYZER). |  |  |
| 3 | Set Default Values | Choose Default Values and make the following entries:  Warehouse No.: 1010  Phys.Inv. Diff.: [X]  WT Difference: [ ]  Insp.Doc. Diff.: [ ]  Pending Claim: [ ]  Diff. In VUM: [ ]  Choose Continue (Enter). | You have created the user settings necessary for the Difference Analyzer Fiori Tile. |  |

# Overview Table

In the periodic physical inventory process, you create physical inventory (PI) documents for a selected number of storage bins or products on a regular basis to spread the workload for physical inventory over the year. You perform the counting by using two different variants (paper-based and RF-based):

## Alternative 1: Inventory with Printouts

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | APP | Expected Results |
| [Preparation](#unique_16) [page ] 17 |  |  |  |
| [Create Physical Inventory Documents for High Rack Narrow Aisle and Bulk Storage](#unique_17) [page ] 17 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | Check the Number of open objects field to calculate the number of bins to be counted at the current date.  Create PI documents for stocks in High Rack Narrow Aisle and Bulk Storage |
| [Create Physical Inventory Documents for Mezzanine](#unique_18)  [page ] 19 | Warehouse Clerk (EWM) | Create Physical Inventory Documents (F3197) | Create PI documents for stock in Mezzanine. |
| [Counting](#unique_19) [page ] 21 |  |  |  |
| [Alternative 1: Paper-Based Counting](#unique_20) [page ] 21 |  |  |  |
| [Print Physical Inventory Documents](#unique_21) [page ] 21 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | PI count documents are printed |
| [Enter Count Results from Printout into System](#unique_22) [page ] 23 | Warehouse Clerk (EWM) | Count Physical Inventory (/SCWM/PI\_COUNT) | PI documents have the status POSTED (POST), no differences;  PI documents have the status Recounted (RECO), and a new PI document has been created |
| [Finalization](#unique_23) [page ] 36 |  |  |  |
| [Monitor Recount Physical Inventory Documents (Optional)](#unique_24) [page ] 36 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The warehouse clerk monitors recounted PI documents and triggers again the count process. |
| [Post Physical Inventory Documents](#unique_25) [page ] 38 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | PI documents have the status Posted (POST), book quantities on the bins are adjusted, differences are posted to the Difference Analyzer |
| [Post Physical Inventory Differences](#unique_26) [page ] 40 | Warehouse Clerk (EWM) | Post Differences - Automatic (/SCWM/WM\_ADJUST) | All differences with a value lower than the threshold value are posted to SAP S/4HANA |
| [Review and Post Differences with Difference Analyzer](#unique_27) [page ] 41 | Warehouse Clerk (EWM) | Analyze Differences (/SCWM/DIFF\_ANALYZER) | All differences are posted to SAP S/4HANA |

## Alternative 2: Inventory with RF (Radio Frequency) Devices

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | APP | Expected Results |
| [Preparation](#unique_16) [page ] 17 |  |  |  |
| [Create Physical Inventory Documents for High Rack Narrow Aisle and Bulk Storage](#unique_17) [page ] 17 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | Check the Number of open objects field to calculate the number of bins to be counted at the current date.  Create PI documents for stocks in High Rack Narrow Aisle and Bulk Storage. |
| [Create Physical Inventory Documents for Mezzanine](#unique_18)  [page ] 19 | Warehouse Clerk (EWM) | Create Physical Inventory Documents (F3197) | Create PI documents for stock in Mezzanine. |
| [Counting](#unique_19) [page ] 21 |  |  |  |
| [Alternative 2: RF-Based Counting](#unique_29) [page ] 25 |  |  |  |
| [Mezzanine: Enter Count Results into System](#unique_30) [page ] 26 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | PI documents have the status POSTED(POST), no differences;  PI documents have the status Recounted (RECO), and a new PI document has been created. |
| [High-Rack Narrow-Aisle: Enter Count Results into System](#unique_31) [page ] 28 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | PI documents have the status POSTED(POST), no differences;  PI documents have the status Recounted (RECO), and a new PI document has been created. |
| [Bulk Storage: Enter Count Results into System](#unique_32) [page ] 32 | Warehouse Operative (EWM) | Test RF Environment (/SCWM/RFUI) | PI documents have the status POSTED(POST), no differences;  PI documents have the status Recounted (RECO), and a new PI document has been created. |
| [Finalization](#unique_23) [page ] 36 |  |  |  |
| [Monitor Recount Physical Inventory Documents (Optional)](#unique_24) [page ] 36 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | The warehouse clerk monitors recounted PI documents and triggers again the count process. |
| [Post Physical Inventory Documents](#unique_25) [page ] 38 | Warehouse Clerk (EWM) | Warehouse Monitor (/SCWM/MON) | PI documents have the status Posted (POST), book quantities on the bins are adjusted, differences are posted to the Difference Analyzer. |
| [Post Physical Inventory Differences](#unique_26) [page ] 40 | Warehouse Clerk (EWM) | Post Differences - Automatic (/SCWM/WM\_ADJUST) | All differences with a value lower than the threshold value are posted to SAP S/4HANA. |
| [Review and Post Differences with Difference Analyzer](#unique_27) [page ] 41 | Warehouse Clerk (EWM) | Analyze Differences (/SCWM/DIFF\_ANALYZER) | All differences are posted to SAP S/4HANA. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Preparation

### Create Physical Inventory Documents for High Rack Narrow Aisle and Bulk Storage

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

During the periodic physical inventory procedure, you can check the progress of Physical Inventory in the warehouse management monitor and create new PI documents with Physical Inventory Procedure AL Annual Physical Inventory (Storage-Bin-Specific). This physical inventory procedure applies to following physical inventory area:

1010 \_YPI2 (for storage type Y011 )

1010\_YPI4 (for storage type Y041)

1010\_YPI5 (for storage type Y042)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Open Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Enter the Selection Data | In the folder hierarchy on the left, expand  Physical Inventory  Physical Inventory Progress  Double-click the Storage Bin folder. On the /SCWM/SAPLPI\_STATUS screen, make the following entries:  Activity Area:Y011 or Y041 or Y042  Choose Execute (F8).  Select the row for Activity Area Y011, or Y041 or Y042. Choose Open Bins in the end of this step. Open Bins need to be highlighted. |  |  |
| 5 | Create Physical Inventory Document | Select one open bin, choose More methods dropdown list, and select the Create Phys.Inv. Document option.  The following message appears: Selection produced 1 results in total.  Choose Save.  The following system message appears: Document 100059 2013 created.  Note down that PI document number (for example, 100059) as you are going to need it later.  In the Warehouse Monitor, PI documents can only be created with periodic PI procedure AL Annual Physical Inventory (Storage-Bin-Specific)  For Activity Area Y021, on the other hand, periodic PI procedure AS Annual Physical Inventory (Product-Specific) is used.  Therefore, for Y021 activity areas, please logon with EWM Warehouse Clerk role and find app Create Physical Inventory - Documents,see next chapter to create PI documents. | You have created a PI document for a bins due for periodic inventory counting. |  |

### Create Physical Inventory Documents for Mezzanine

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

During the periodic physical inventory procedure, you can check the progress of Physical Inventory in the warehouse management monitor and create new PI documents with Physical Inventory Procedure AS Annual Physical Inventory (Product-Specific)

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Create Physical Inventory Documents (F3197) . |  |  |
| 3 | Set Default Values | On the Phys. Inv. Doc. – Create – Whse No. 1010 - Phys. Inv. Proced. AL screen, choose Default Values (F5).  In the Phys. Inv. Doc... dialog box, make the following entries:  Warehouse Number: 1010  Phys. Inv. Procedure: AS  Propose Ind.: [X]  Choose Continue (Enter).  Note By choosing X for field Propose Ind, all searched items will be automatically marked with green status, which means they will be part of the inventory document. Alternatively, you have to select the items and choose Set Flag manually. |  |  |
| 4 | Enter physical Inventory Area | Enter Physical Inventory Area Y021 and choose Perform Search. |  |  |
| 5 | Create Physical Inventory Documents | For some items which you do not want to create the physical inventory documents, select them and choose Delete Item.  After that choose Save. | System has created physical inventory document for the selected items. |  |

## Counting

### Alternative 1: Paper-Based Counting

Customer project: Fill in the project-specific parts.

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

### Print Physical Inventory Documents

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

In case of paper-driven PI, the warehouse clerk prints the physical inventory documents to have a paper template for entering the counting results.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON) | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Create Physical Inventory Documents for High Rack Narrow Aisle and Bulk Storage | This is for entering data for warehouse monitor.  Remember to change the step number for follow-up steps after the insertion. |  |  |
| 4 | Enter the Selection Data | In the folder hierarchy on the left, expand Physical Inventory.  Double-click the Physical Inventory Documents folder.  On the /SCWM/SAPLPI\_HISTORY screen, enter the following data:  Phys. Inventory Doc. PI Document Number  Choose Execute (F8).  Enter the PI document number generated in previous step. |  |  |
| 4 | Print Physical Inventory Document | In the upper-right section of the warehouse monitor, scroll to the right and check that the Print Sts field/column is empty (that is, has not printed yet).  Select the line item, choose the More methods dropdown list, and select the Print Phys. Inv. Document option.  To close the Display logs dialog box, choose Continue (Enter). | The Print Status changes to X.  The PI document is printed and ready to use.  Now a counter takes the printout, walks to the bin, notes the count results on it, and hands it over to the EWM warehouse clerk. |  |

### Enter Count Results from Printout into System

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

In case of paper-driven PI, the warehouse clerk enters the count results into the system with the help of the PI count documents.

Also in case of complicated count results (for example, unexpected finding of many items or complete HUs), the desktop transaction is the better choice. This may also apply to an unplanned ("ad-hoc") inventory count (checking a doubtful bin or product, which probably generates big differences).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Count Physical Inventory (/SCWM/PI\_COUNT).Open Count Physical Inventory. |  |  |
| 3 | Enter the Selection Data | On the Physical Inventory Document – Process – Whse No.1010 Doc. Year 20XX screen, in the field Find, ensure Phys. Inv. Doc. has been set as default. Otherwise, select it in the dropdown list.  Enter the Physical Inventory Document Number from the previous step in the input field next to the Phys. Inv. Doc field.  Choose Perform Search. |  |  |
| 4 | Select the PI Doc | In the table, select the item(s) within your PI Doc. Number. |  |  |
| 5 | Enter Count Data on Header Level | Choose Count.  In the Physical Inventory Document – Process dialog box, enter the following:  Counter: Counter Name  Count Date: Date and Time in 24-hour-format  Choose Continue (Enter).  Date of today and some minutes ago will do, but in Warehouse Time See chapter Check Warehouse Time Zone.  We recommend using the time field in the standard 24-hour mode, for entries with am/pm-indicator you would have to use the input help. |  |  |
| 6 | Enter Count Data on Item Level | On the Count Items tab, there can be more than one item:  If you are entering count result for Activity Area Y021, which follows the Product-Specific Annual Physical Inventory procedure (AS), you will see one line item that is on the storage bin level (in the ‘ Parent Object’ column it shows ‘ L’).   * Select the line item, and then choose Switch to Form View. * If there are no product in the storage bin, choose Zero Count. * If there are products in the storage bin, enter product quantity and UoM in the Qty AUoM fields.   If you are entering count result for Activity Area Y011,Y041,Y042, which follow the Storage-Bin-Specific Annual Physical Inventory document (AL), you will see several items (depending on how many HUs there are in the storage bin) that are on the storage bin level (in the ‘ Parent Object’ column it shows ‘ L’) and the handling unit level (in the ‘Parent Object’ column it shows ‘H’) respectively.   * Select both line items, and then choose Switch to Form View; * If the storage bin is empty, choose SBin Empty; * If the storage bin is not empty, at the storage bin level there are several checkboxes to facilitate / expedite entering the count result;   HU Empty  HU Compl.  HU Missing   * If you need to enter precise product quantity at the HU level, go to the line item representing the HU and enter quantity and UoM in the Qty AUoM fields.   Choose Save.  HU Empty meaning the HU proposed by the system exists but there’s no product in the HU.  HU Compl. meaning the HU proposed by the system is complete and there’s no need to open the HU to count the product quantity.  HU Missing meaning the HU proposed by the system is missing in the storage bin.  In this step you can enter the actual book inventory situation for HUs and products. However, you can also create differences to test the recounting and difference posting in the following chapters. In reality, you seldom lose the whole HUs or whole quantity of the product. | PI document has the status Posted (POST) if the differences have been calculated and they are within the counting tolerance limit.  PI document has the status Recounted (RECO), and a new PI document has been created if the difference is greater than the tolerance limit. |  |

### Alternative 2: RF-Based Counting

Context

In case of radio frequency (RF) driven PI, the counter uses a mobile device and logs on as a resource, which is assigned to an RF Queue for physical inventory tasks. The system guides the counter through the bins to be counted. The counter verifies the bin (in respective PI Activity Area), the HU, and the product proposed by the system. Then the counter counts the product and enters the quantity. If an "HU is found" and not proposed by the system (in case of bin-specific PI procedure), it will be recorded as counted.

If abin is empty, it is recorded as empty bin.

When the counter finishes the counting of a bin, the system proposes the next bin depending on how many bins that need to be counted as part of the PI document.

### Mezzanine: Enter Count Results into System

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

The steps below applies to following typical count situations: the storage bin is not HU required (Product-specific PI).

Book Inventory: Bin containing one unpacked product

System Proposal: Item on product level

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YCNT-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 05 Internal Processes > 01 Inventory Counting > 01 Inventory Counting Guided .  You can choose 02 Inventory Counting Manually to enter the counter results for the warehouse order automatically created and assigned to a specific physical inventory document. |  |  |
| 5 | Verify the Bin | Verify the proposed Bin in the verification field on the right.  Choose Enter. |  |  |
| 6 | Verify the Product | Verify the proposed Product in the verification field,  Choose Enter. |  |  |
| 7 | Enter Counting Result | Choose F1 ZeroSt if there is no stock for the product.  Otherwise enter quantity and UoM.  Choose Enter.  Choose F11 to save the count result. |  |  |
| 8 | Continue with the Remaining Bins | The first bin is now counted. Repeat steps above for the remaining bins (if any) of your PI document.  If your work is finished (no more count documents exist in your queue), the following system message appears E: No physical inventory document was selected or assigned. Choose Enter to confirm.  In case the counted quantity differs from the book inventory, a recount may be initiated in the background, which will be sent directly into your queue. So, you may be prompted to count the same bins again directly after choosing F11 function key (Save). |  |  |
| 9 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. | You have logged off from your RF resource, so you do not block it for other users.  The following inventory count statuses are possible:   * PI document has the status Posted (POST) if the differences have been calculated and are under the tolerance limit.   PI document has the status Recounted (RECO) and a Follow-On Document (a new PI document) has been created. |  |

### High-Rack Narrow-Aisle: Enter Count Results into System

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

The steps below applies to typical count situations: The storage bin is HU required (Storage-bin-specific PI). For example, in Activity Area Y011.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI) . | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YCNT-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 05 Internal Processes > 01 Inventory Counting > 01 Inventory Counting Guided .  You can choose 02 Inventory Counting Manually to enter the counter results for the warehouse order automatically created and assigned to a specific physical inventory document. |  |  |
| 5 | Verify the Bin | Verify the proposed Bin in the verification field on the right.  Choose Enter.  The navigation in RFUI counting is hierarchical as follows:  I. Start on count document level verifying the bin. Then, you go down to the bin level.  II. On the bin level: Select the HU to work on. (In warehouse types Y011, there is usually only one HU per bin/per sub-bin)  III. Within the selected HU: Go down to the product level. (This solution package does not use nested HU. Usually, there is only one product within each HU.)  IV. After you have counted all items (products) within the selected HU, choose F7 to leave the product level and go up to the HU level.  V. After you finished the last HU within the selected bin, save all count results for that bin (choose F11) or discard all count results for that bin (choose F7 ).  VI. Regardless of the saving, choose F7 to go up one level, and proceed to the next item on that level (if applicable). |  |  |

The counting steps are described below for different scenarios.

Scenario 1:

Book Inventory: Bin containing no HU/Product

System Proposal: No HU/Product onbin level

Physical Stock (Count Result): The bin is empty.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Choose Bin Empty | Choose F1 BnEmp (Bin Empty).  The system saves the bin empty result at once! There is no need to manually save the result by choosing F11 (Save). |  |  |

Scenario 2:

Book Inventory: Bin containing one HU

System Proposal: HU on bin level

Physical Stock (Count Result): The bin is empty. The HU exists and is empty.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Choose Bin Empty | Enter the HU ID.  Choose Enter (the HU is selected).  Choose F1 HUEmp (HU empty).  Choose F11 (Save). |  |  |

Scenario 3:

Book Inventory: Bin containing one product

System Proposal: HU on bin level; Stock Item on product level

Physical Stock (Count Result): The bin is not empty. The HU content has to be counted.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Select HU | Enter the HU ID.  Choose Enter (the HU is selected). |  |  |
| 2 | Verify the Product | Choose Enter again to go one level down into the product level;  Verify the proposed Product in the verification field.  Choose Enter. |  |  |
| 3 | Enter Quantity | Enter Quantity and UoM.  Choose Enter.  Choose F11 (Save).  Here the purpose is to create a difference. If you look up the book inventory in the Warehouse Monitor, you can enter a deviating product quantity, and thus, create a difference to your needs, for example, to see the effects of the Tolerance Groups. |  |  |

Scenario:4

Book Inventory: Bin containing one HU

System Proposal: Bin is empty, no HU/Product on bin level

Physical Stock (Count Result): The bin is not empty. The HU content hasto be counted.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | See Appendix | This situation is not covered by standard Physical Inventory functionality. For proposals on how to handle this situation in the system and the warehouse, please see the Appendix. |  |  |

Continue with the next counting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 6 | Continue with the Remaining Bins | The first bin is now counted. Repeat steps above for the remaining bins (if any) of your PI document.  If your work is finished (no more count documents exist in your queue), the following system message appears E: No physical inventory document was selected or assigned. Choose Enter to confirm.  In case the counted quantity differs from the book inventory, a recount may be initiated in the background, which will be sent directly into your queue. So, you may be prompted to count the same bins again directly after choosing F11 function key (Save). |  |  |
| 7 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. | You have logged off from your RF resource, so you do not block it for other users.  The following inventory count statuses are possible:   * PI document has the status Posted (POST) if the differences have been calculated and are under the tolerance limit. * PI document has the status Recounted (RECO) and a Follow-On Document (a new PI document) has been created. |  |

### Bulk Storage: Enter Count Results into System

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

The steps below applies the typical count situations: The storage bin is subject to HU Item Count Mode. For example, in Activity Area Y041.

The storage bin is subject to HU Count Mode. For example, in Activity Area Y042.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Operative (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Log On to RFUI Environment | Open Test RF Environment (/SCWM/RFUI). | The RFUI screen is displayed. |  |
| 3 | Enter Data for RFUI | Whse No: 1010  Resource: YCNT-1  DefPresDvc: YE00  Choose Enter. |  |  |
| 4 | Choose Menu | Choose 05 Internal Processes > 01 Inventory Counting > 01 Inventory Counting Guided .  You can choose 02 Inventory Counting Manually to enter the counter results for the warehouse order automatically created and assigned to a specific physical inventory document. |  |  |
| 5 | Verify the Bin | Verify the proposed Bin in the verification field on the right.  Choose Enter.  The navigation in RFUI counting is hierarchical as follows:  I. Start on count document level verifying the bin. Then, you go down to the bin level.  II. On the bin level, you enter the product quantity in each HU and the number of HUs, also the partial quantity for HUs which are not full. (This solution package does not use nested HU. Usually, there is only one product within each HU.)  If the TotalQty (for HU Item Count Mode) or the HU quantity(for HU Count Mode) is the same as booked, system will mark all the HUs as COMPLETE automatically, in this case you can go directly to step VI.  If the TotalQty (for HU Item Count Mode) or the HU quantity(for HU Count Mode) is NOT the same as booked (for HU Count Mode), you then choose F3 List to work on the HU level.  III. Enter the HU number and choose Enter to select HU. Choose Enter again to go to HU details  IV.Choose F2 Prod. and Enter count data on product level.  V. After you have counted all items (products) within the selected HU, choose F7 to leave the product level and go up to the HU level to process next HU.  VI. After all the HUs are counted or completed within the selected bin, save all count results for that bin (chooseF11) or discard all count results for that bin (choose F7 ).  VII. Regardless of the saving, choose F7 to go up one level, and proceed to the next item on that level (if applicable). |  |  |
| 6 | Enter Counting Data for Full HU | For HU Item Count Mode, for example in activity area Y041, you enter the following data:  Qty/HU: Product quantity in each full HUs  FullHU: HU quantity for full HU  For HU Count Mode , for example in activity area Y042, you enter the following data:  HUCnt: HU quantity  Choose Enter. | The total quantity is calculated automatically (Qty/HU \* FullHU)and displayed in field TotalQty. |  |
| 7 | Enter Counting Data for Partial HU | This step is only relevant for HU Item Count Mode. Skip this step for HU Count Mode.  Enter the following data for HU Item Count Mode:  PartQty: Product quantity in partial HU  Choose Enter. | The total quantity will be calculated automatically (Qty/HU \* FullHU +PartQty) and displayed in field TotalQty. |  |
| 8 | Correct the Counting Data | If you need to correct the counting data, choose F2 Clsum and repeat step 6 and 7 |  |  |
| 9 | Continue with the next step | Choose F1 Next. |  |  |
| 10 | Save the Counting Result | All the HUs are listed. If the TotalQty (for HU Item Count Mode) or the HU quantity(for HU Count Mode) is the same as booked, system will mark all the HUs as COMPLETE automatically.  Choose F11 Save.  [GRAPHIC REMOVED – INSERT HERE] Note  If the TotalQty (for HU Item Count Mode) or the HU quantity(for HU Count Mode) is NOT the same as booked, you get the warning message :  W: Quantity difference found in bin;  Count again or choose F3 to see HU list  (/SCWM/RF\_DE364)  you then choose F3 List to work on the HU level.  Enter the HU number and choose Enter to select HU. Choose Enter again to count on product level.  Choose F2 Prod. to count on product level.  After you have counted all items (products) within the selected HU, choose F7 to leave the product level and go up to the HU level to process next HU.  After all the HUs are counted or completed within the selected bin, save all count results for that bin (Choose F11) |  |  |
| 11 | Logoff RFUI | You can use function key F7 to go back to previous screens.  Choose F1 Logoff.  Choose F1 Save. | You have logged off from your RF resource, so you do not block it for other users.  The following inventory count statuses are possible:   * PI document has the status Posted (POST) if the differences have been calculated and are under the tolerance limit. * PI document has the status Recounted (RECO) and a Follow-On Document (a new PI document) has been created. |  |

## Finalization

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With the help of a background job, most of the differences are automatically posted to SAP S/4HANA. If the value of some differences violates the tolerances assigned to the background user, the warehouse clerk or the supervisor has to review these differences in the Difference Analyzer. For example, they analyze the movements of the product and might decide that a recount is not necessary. After the review, they manually post these differences to SAP S/4HANA.

### Monitor Recount Physical Inventory Documents (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

After the input of the count results, the system calculates the differences on the basis of count results and book inventory. If a difference exceeds the predefined, counter-dependent thresholds for recounting, the system automatically creates a recount document. The warehouse clerk monitors recounted PI documents and triggers again the count process if necessary by printing the new PI document.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON) . | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Enter Selection Data | In the folder hierarchy on the left, expand the Physical Inventory folder.  Double-click the Physical Inventory Documents folder.  On the /SCWM/SAPLPI\_HISTORY screen, in the General Selection section, enter:  Activity Area:Y011  Physical Inventory Status:RECO  Creation Date : The date on which the recount document has been created |  |  |
| 5 | Check the Recounted Physical Inventory Documents | Choose Execute (F8).  If message No objects meet selection criteria appears, there has been no recount and you can go on with the next chapter.  If there have been recounts, they are listed in the upper right area. For each selected PI document, note down the Follow-On PI document number (in the Phys. Inventory Doc. field).  Each newly created Follow-On PI document behaves like any other PI document, so you have the choice between RF-driven and paper-driven PI counting. |  |  |

### Post Physical Inventory Documents

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

At the end of the count process, the warehouse clerk posts all the counted PI documents. In each case, the system checks if a difference exceeds the thresholds for posting assigned to the warehouse clerk. If so, the warehouse clerk is not allowed to post the corresponding PI document. The supervisor has to do it. During the posting of the PI documents, the system adapts the book inventory and posts the differences to the Difference Analyzer.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Warehouse Monitor (/SCWM/MON). | The Warehouse Management Monitor screen is displayed. |  |
| 3 | Enter the data for Warehouse Monitor | In the dialog box, make the following entries:  Warehouse Number: 1010  Monitor: SAP  Choose Execute. |  |  |
| 4 | Select Data | In the folder hierarchy on the left, expand: Physical Inventory.  Double-click the Physical Inventory Documents folder. On the /SCWM/SAPLPI\_HISTORY screen, in the General Selection section, enter the following:  Activity Area:Y011 or Y021  Physical Inventory Status:COUN  Creation Date:Date on which the PI Document was created  Choose Execute (F8). |  |  |
| 5 | Post Physical Inventory Differences | Select all rows (if any). Choose the More methods dropdown list and choose Post Phys. Inv. Document option. | The PI documents have the status Posted (POST), book quantities on the bins are adjusted, and differences are posted. Only if your user exceeds the tolerances of the tolerance group, you cannot post. Then another user with higher tolerances has to continue in the Difference Analyzer (chapter Difference Analyzer for Blocked Physical Inventory Differences ). |  |

### Post Physical Inventory Differences

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

With the help of a background job, physical inventory counting differences up to the background user’s authorization rights are automatically posted to SAP S/4HANA. Only if the background user exceeds the tolerances of the tolerance group, he will fail. Then another user with higher tolerances has to continue in the Difference Analyzer (chapter Difference Analyzer for Blocked Physical Inventory Differences ).

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Post Differences - Automatic (/SCWM/WM\_ADJUST). |  |  |
| 3 | Enter Selection Data | On the Automatic Posting of Differences screen, enter the following data:  Warehouse Number: 1010  Phys. Inv. Difference: X  Warehouse Task Difference:  Inspection Document Difference:  Pending Claim:  Difference in VUM:  Post on Item Level: X |  |  |
| 4 | Post the Difference | Choose Execute (F8).  Note the document ID.  The prefix of Reference 10101000000##### in the SAP S/4HANA Material Document is the concatenation of the warehouse number 1010 and the ID.  You can display the Warehouse material document in the Warehouse Monitor tree:  Expand the Documents folder, double-click the Warehouse Task folder, in the /SCWM/SAPLWO\_TO\_MON dialog box, enter in the Warehouse Task field the Warehouse material document ID and choose Execute. | In case of differences a message like Warehouse material document 1000000##### created appears.  In case of no differences, the following system message appears: Selection produced no results. |  |

### Review and Post Differences with Difference Analyzer

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Context

With the help of a background job, most of the differences are automatically posted to SAP S/4HANA in the previous step. If the value of some differences violates the tolerances assigned to the background user, the warehouse clerk or the supervisor has to review these differences in the Difference Analyzer. For example, they analyze the movements of the product and may decide that a new PI is necessary. After the review, they manually post these differences to SAP S/4HANA.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Open the Fiori Launch Pad with the Warehouse Clerk (EWM) role. | The Fiori Launch Pad is displayed. |  |
| 2 | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM – Physical Inventory Processing and then choose Analyze Differences (/SCWM/DIFF\_ANALYZER) . |  |  |
| 3 | Enter Selection Data | On the Difference Analyzer – Warehouse 1010 screen, choose Open Advanced Search.  In the Advanced Search section, in the Details section, enter the following:  Physical Inventory Procedure: AL or AS |  |  |
| 4 | Post Difference | Choose Advanced Search.  If message Selection produced no results appears, choose Continue (Enter).  No postings are blocked. You do not have to do anything.  Otherwise, select the line items (if any), and choose Post.  If the Post Differences? dialog box appears, prompting you clear any differences (for example, Clear 1 difference(s) for product EWMS4-01, BP 1010, F2?), confirm with Yes.  Note the ID.  The prefix of Reference document.  10101000000#### in the SAP S/4HANA Material Document is the concatenation of the warehouse number 1010 and the ID.  You can display the Warehouse material document in the Warehouse Monitor tree: Expand the Documents folder, double-click the Warehouse Task folder, in the /SCWM/SAPLWO\_TO\_MON dialog box, enter in the Warehouse Task field, the Warehouse material document ID and choose Execute. | A message Warehouse material document 10101000000##### and track your created appears.  The differences are automatically posted to SAP S/4HANA.  To check the posting, you can logon with user role Inventory Manager and find App Display Material Document List. You can enter in the Reference field the concatenated value from above, for example, 10101000000##### and track your process. If you forgot the Reference, search for Movement Type 711 to 712. |  |

# Appendix

There are circumstances when the system book inventory shows that a particular storage bin A (HU managed) is empty, but in the storage bin an HU is found during the Physical Inventory process. In this case, the standard Physical Inventory functionality cannot handle this scenario.

For the warehouse to handle the exceptional cases, the following proposals are given:

* If the HU in the storage bin A is mistakenly put away from the storage bin B, you can:

Option1

* + Complete the current PI document by accepting the system proposal (count result: bin empty)
  + Physically move the HU from storage bin A back to storage bin B, no system activities required;
  + The book inventory and the warehouse real inventory are consistent.
* Option 2
  + Complete the current PI document accepting the system proposal (count result: bin empty);
  + Perform a system activity of an HU movement from storage bin B to storage bin A,
  + The book inventory and the warehouse real inventory are consistent.
* If the HU in the storage bin A has no source of origin in the warehouse, you can:
  + Complete the current PI document accepting the system proposal (count result: bin empty);
  + In the packing work center, create an HU (containing no product) that matches the HU in the storage bin A (packing material, HU type, etc.);
  + Perform a system activity of an HU movement for the empty HU from the packing work center to the storage bin A;
  + Create a new PI document for storage bin A;
  + Upon counting of the PI document, enter the HU contents information (product, stock type, quantity, UoM, Party Entitled to Dispose, Owner etc.). After the document posting, it is regarded as a gain on Physical Inventory.
  + The book inventory and the warehouse real inventory are consistent.

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

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