

| | | |
|---------------------------------|---|-------------------|
| Exensys Software Solutions Ltd. |  | AA/B/CCDD V x.y |
| White Paper | | W. E. F. dd/mm/yy |



exensys

eXensys – Stock Types

Business Performance Sustained

| | | |
|---------------------------------|---|-------------------|
| Exensys Software Solutions Ltd. |  | AA/B/CCDD V x.y |
| White Paper | | W. E. F. dd/mm/yy |

Table of Contents

Introduction 3

Overview 3

Benefits 9

Conclusion 10



Introduction

Objective of this document is to furnish a conceptual analysis of stock Types in the Inventory Management. . An item can be stored in inventory in different stock types. It refers to the behavior type of the item when it is stored at some place in an organization.

Overview

- **Basic Master -Stock Type**

User can define different stock Types for an Organization. Stock details can be viewed in terms of stock type.

| | |
|------------------------|--------------------|
| Organization | Org1 |
| Stock Type Code | US01 |
| Stock Type Name | Unrestricted Stock |

- **Stock Type wise stock**

The stock details can be viewed in terms of stock type. An item can be stored in inventory in different stock types. For example, it can be stocked as unrestricted, damaged, stock at vendor, consignee stock, and shop floor stock. The movement of stock of an item further for any consumption or issue is restricted to unrestricted stock only. Various stock Types are

- Unrestricted Stock
- Rejected Stock
- Blocked Stock
- Damaged
- Quality Inspection Stock
- Return Stock
- Scrap
- Shop Floor Stock

| | | |
|---------------------------------|---|-------------------|
| Exensys Software Solutions Ltd. |  | AA/B/CCDD V x.y |
| White Paper | | W. E. F. dd/mm/yy |

- i. Maintenance Stock
- j. Consignment Out Stock
- k. Consignment Out - In transit Stock
- l. Consignment Out - Rejected Stock
- m. Consignment In –Stock
- n. Consignment In - Rejected Stock
- o. Customer Owned Items stock
- p. Vendor Stock
- Q. Service Stock

Inventory Receipts - Overview

Items are received in the inventory and stored in different stock types. If the item is having location applicable then items are stored in locations. Items can be stored in the bins attached to the locations. If the item is having lot applicability then items are stored lot wise. Serial no. applicable items can be received with unique identity and can be stored. Manufacturing date applicable items once received will be recorded with date . Only the items with lot applicable properties will be able to record manufacturing date and expiry date Receipt Date should not be less than MFG date and MFG Date should be less than or equal to expiry date.. The expiry date details can be recorded for expiry date applicable items. Grade of the items too can be recorded. Once the stock is received, the stock is updated and valuation of items are carried out.

| Item Code | UOM | Stock type | Location | Bin | Lot No | Qty | Sl. No | MFG. Date | Expiry Date | Grade |
|-----------|-----|---------------|-----------|-----|--------|-----|--------|-----------|-------------|-------|
| Cable | No. | unrestricted | Store-A | B1 | LotA | 1 | 01A | 02.02.08 | 02.04.09 | A |
| | | Damaged Stock | Store - B | B2 | LotA | 1 | 01A | 02.02.08 | 02.04.09 | B |

| Receipt | Movement Description | Stock Posting |
|---|---|---|
| External Receipts | | |
| Returnable delivery note - Receipt | Receipt of items from vendor after the completion of repair work | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Vendor stock |
| Internal Receipts | | |
| Production order - Receipt | Receipt of finished items, return items, co-products, by-product from shop floor | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Shop floor stock |
| Work order - Receipt | Receipt of excess items as returns after the completion of service activities | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Service location stock |
| Maintenance order - Receipt | Receipt of excess items as returns after the completion of maintenance activities | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Maintenance shop floor stock |
| Stores return | Receipt of return items from stores that are issued for consumption | <ul style="list-style-type: none"> ▪ Addition – Inventory stock |
| Subcontracting Receipts (In & Out) | | |
| Sub-contracting in – Customer items receipt | Receipt of input raw materials from customer to carry out subcontracting activities | <ul style="list-style-type: none"> ▪ Addition – Customer stock |
| Sub-contracting out - Receipt | Receipt of expected items from vendor by consuming the raw materials issued by the sub-organization | <ul style="list-style-type: none"> ▪ Addition – Inventory expected item stock ▪ Reduction – Vendor raw material stock |
| Consignment Receipts (In & Out) | | |
| Consignment in - Fill up | Receipt of items from consignor | <ul style="list-style-type: none"> ▪ Addition – Consignor stock, no change in inventory stock |
| Consignment out - Receipt | Receipt of items at consignee location | <ul style="list-style-type: none"> ▪ Addition – Consignee stock ▪ Reduction – In transit |

| | | |
|---|--|--|
| | | stock |
| Consignment out – Pick up | Receipt of items from consignee returned either as excess or rejected stock | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Consignee stock |
| Project Movements (Receipts & Transfers) | | |
| Project – Item Returns | Receipt of excess items as returns to inventory after the completion of project activities | <ul style="list-style-type: none"> ▪ Addition – Inventory stock ▪ Reduction – Project stock |
| Project – Project Transfer | Transferring of items from one project to another project | <ul style="list-style-type: none"> ▪ Addition – Stock in receipt project ▪ Reduction – Stock from issue project |
| Site – Site Transfer | Transferring of items from one site to another site of same project | <ul style="list-style-type: none"> ▪ Addition – Stock in receipt site ▪ Reduction – Stock from issue site |

Inventory Issues - Overview

The movement of stock of an item further for any consumption or issue is restricted to unrestricted stock only. Issue of items from Inventory will be based on predefined picking strategy. The Receipt posting date of an item will be taken as the criteria for the First In First Out picking Strategy at the time of issue. If the picking strategy is First expiry first out then Issue of the items will be as per the shelf life expiration date. Issue of items will be as per the cost price. Items can be issued from the inventory lot No. if applicability is defined. Serial No. controlled items can be issued as desired from Inventory. If the user opt “General” as the picking Strategy then irrespective of FIFO and FEFO items can be issued.

| Item code | UOM | Stock type | Loc. | Bin | Lot No. | Issue Qty. | Sl.No. | MFG Date | Expiry date | Grade |
|-----------|-----|--------------|------|------|---------|------------|--------|----------|-------------|-------|
| MS Pipe | No. | Unrestricted | B01 | L01A | 1 | 01ABC | | 02.04.08 | | |

| Issue | Movement Description | Stock Posting |
|-------|----------------------|---------------|
|-------|----------------------|---------------|

| External Issues | | |
|--|---|--|
| Returnable delivery note - Issue | Issue of items to vendor for repair work | <ul style="list-style-type: none"> • Reduction–Inventory stock • Addition– Vendor stock |
| Delivery Note | Issue of items as dispatch to customers either with reference to sales order or without any reference | <ul style="list-style-type: none"> • Reduction– Inventory stock |
| Internal Issues | | |
| Production order - Issue | Issue of raw material to shop floor either with reference to planned request or unplanned request | <ul style="list-style-type: none"> • Reduction– Inventory stock • Addition– Shop floor stock |
| Work order - Issue | Issue of items requested to execute service work order | <ul style="list-style-type: none"> • Reduction– Inventory stock • Addition – Service stock |
| Maintenance order - Issue | Issue of items requested to execute maintenance order | <ul style="list-style-type: none"> • Reduction– Inventory stock • Addition–Maintenance shop floor stock |
| Subcontracting Issues (In & Out) | | |
| Sub-contracting in – Customer finished delivery note | Issue of customer finished items as dispatch with reference to sub-contracting sales order | <ul style="list-style-type: none"> • Reduction– Customer stock |
| Sub-contracting out - Issue | Issue of raw materials to vendor to convert them into required expected items | <ul style="list-style-type: none"> • Reduction– Inventory stock • Addition– Vendor stock |
| Consignment Issues (In & Out) | | |
| Consignment in – Pick up | Issue of excess or rejected items to consignor | <ul style="list-style-type: none"> • Reduction– Consignor stock |
| Consignment in – Issue | Issue of consignor stock to sub-organization inventory stock for consumption | <ul style="list-style-type: none"> • Reduction– Consignor stock • Addition– Inventory stock |
| Consignment out – Fill up | Issue to items to consignee with reference to a sales order | <ul style="list-style-type: none"> • Reduction-Inventory stock • Addition-In transit stock |

| | | |
|---|---|--|
| Consignment out – Issue | Issue of items as sales dispatch from consignee location | <ul style="list-style-type: none"> • Reduction-Consignee stock |
| Project Movements (Issues & Transfers) | | |
| Project Item Issues | Issue of items to project from inventory with reference to a request from project | <ul style="list-style-type: none"> ▪ Reduction – Inventory stock ▪ Addition – Project stock |
| Project Project Transfer | Transferring of items from one project to another project | <ul style="list-style-type: none"> ▪ Reduction – Stock from issue project ▪ Addition – Stock in receipt project |
| Site – Site Transfer | Transferring of items from one site to another site of same project | <ul style="list-style-type: none"> ▪ Reduction – Stock from issue site ▪ Addition – Stock in receipt site |

• **Transfer Posting**

Transfer Posting facilitates transfer of one stock type to another stock type of an item. An item stored in as one stock type can be transferred to another stock type if desired.

Business Performance Sustained

| From stock Type | Item code | Item Name | Spec. | UOM | From Location | To Location | To stock Type | Transferred Qty. |
|--------------------|-----------|-----------|-------|-----|---------------|-------------|---------------|------------------|
| Unrestricted Stock | Engine | Engine | | No. | Loc1 | Loc2 | Damaged stock | 10 |

Standard Reports

- **Stock Type wise Report**

Stock type wise item quantity and value are posted . Stock types available in the inventory for different items can be derived from the report.

| Item Code | Item Name | Specification | UOM | Opening Balance | Receipt Qty. | Issue Qty. | Closing Balance |
|--------------------------------|-----------|---------------|-----|----------------------|--------------|------------|-----------------|
| Stock Type: Unrestricted Stock | | | | Total Value: 2900.00 | | | |
| Engine | Engine | | No. | 100 | 200 | 10 | 290 |
| | | | | 1000 | 2000 | 100 | 2900 |
| Stock Type: Damaged Stock | | | | Total Value: 30.00 | | | |
| Engine | Engine | | No. | 2 | 1 | 0 | 3 |
| | | | | 20 | 10 | 0 | 30 |
| Stock Type: Shop floor Stock | | | | Total Value: 70.00 | | | |
| Engine | Engine | | No. | 15 | 20 | 28 | 7 |
| | | | | 150 | 200 | 280 | 70 |

Benefits

- Stock type wise value of inventory can be known
- Items can be maintained in the inventory according to the desired properties in mode of different stock types.
- The stock available for movement as “Unrestricted “can be easily identified.
- The stock stored in logical locations such as shop floor, subcontracting vendor, consignee stock can be noted along with value.

| | | |
|---------------------------------|---|-------------------|
| Exensys Software Solutions Ltd. |  | AA/B/CCDD V x.y |
| White Paper | | W. E. F. dd/mm/yy |

Conclusion

This document discusses the details of stock types inventory . This gives the overview of inventory movements in terms of receipts and issues . The stock updation details are given for each receipt and issue movement with default stock types. This also gives the overview of transfer posting of one stock type to another stock type.

