

argentis

WMS

Unit of Measure

V1.0

Contents

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Overview

WMS now handles items that have a Unit of Measure Group definition.

To analyze each module, we are going to be using the item BOSS_SOUL as an example. This item has a UoM Group which definition is the following:

The screenshot shows the SAP Item Master Data for item BOSS_SOUL. The 'UoM Group' is set to 'Packs'. A red arrow points to the 'Packs' dropdown menu. The 'Group Definition - Packs - Setup' dialog box is open, showing a table with columns: #, Alt. Qty, Alt. UoM, =, Base Qty, and Base UoM. The table contains the following data:

| # | Alt. Qty | Alt. UoM | = | Base Qty | Base UoM |
|---|----------|----------|---|----------|----------|
| 1 | | 1 Units | = | 1 | Units |
| 2 | | 1 Manual | = | 1 | Units |
| 3 | | 1 5Pack | = | 5 | Units |
| 4 | | 1 10Pack | = | 10 | Units |
| 5 | | 1 20Pack | = | 20 | Units |
| 6 | | 0,000 | = | | Units |

The dialog box also has 'OK' and 'Cancel' buttons. Below the dialog box, there is a 'Set Default Whse' button. The background shows the 'Inventory Data' tab of the Item Master Data, with a table of warehouses:

| # | Whse Code | Whse Name |
|---|-----------|-------------------|
| 1 | 01 | General Warehouse |
| 2 | BP | Business Partner |
| 3 | LA | Los Angeles |
| 4 | NYC | New York |
| 5 | NYCT | New York Transit |

Reception

The following Purchase Order is about to be received in WMS. This order has the same item but, with different UoM Codes.

Purchase Order - Split

Vendor: APPLEUSA
 Name: Apple Usa Inc.
 Contact Person: [dropdown]
 Vendor Ref. No.: [input]
 Local Currency: [dropdown]

No. Primary: 10034 - 0
 Status: Open
 Posting Date: 01/23/19
 Delivery Date: 01/23/19
 Document Date: 01/23/19

| # | Item No. | Quantity | Unit Price | Discount % | Tax Code | Total (LC) | Whse | Distr. Rule | UoM Code | Blanket Agreement No. |
|---|-----------|----------|--------------|------------|----------|-------------|------|-------------|----------|-----------------------|
| 1 | BOSS_SOUL | 5 | EUR 50,00 | 0,000 | | \$ 325,00 | LA | | Units | |
| 2 | BOSS_SOUL | 3 | EUR 250,00 | 0,000 | | \$ 975,00 | LA | | 5Pack | |
| 3 | BOSS_SOUL | 2 | EUR 500,00 | 0,000 | | \$ 1.300,00 | LA | | 10Pack | |
| 4 | BOSS_SOUL | 1 | EUR 1.000,00 | 0,000 | | \$ 1.300,00 | LA | | 20Pack | |
| 5 | | | | 0,000 | | | | | | |

Buyer: -No Sales Employee-
 Owner: [input]
 Box
 Release to WMS
 Create WMS Goods Receipt PO as Draft

Remarks: [input]

Total Before Discount: \$ 3.900,00
 Discount: [input] %
 Rounding
 Tax: [input]
 Total Payment Due: \$ 3.900,00

OK Cancel Copy From Copy To

When the PO is selected at reception the WMS will display the different quantities in different UoM. In brackets is the total amount of the inventory UoM to be received, this is just informative. In the reception process the user receives the UoM defined in the PO.

For example, the BOSS_SOUL item's inventory UoM is "Units", and if there are a total of 3 "5Pack" to be received, the total Units will be 15 according to the Group Definition Setup. If the user selects this line, the next window will request to indicate amount of "5Pack".

Receiving Location

Warehouse: Los Angeles Location: LA-RECEPTION1

Apple Usa Inc. Order: 10034

Q Find

| | |
|-----------|--|
| BOSS_SOUL | 0.00 5.00 Units |
| BOSS_SOUL | 0.00 3.00 5Pack (15.00 Units) |
| BOSS_SOUL | 0.00 2.00 10Pack (20.00 Units) |
| BOSS_SOUL | 0.00 1.00 20Pack (20.00 Units) |

Navigation icons: [Menu] [Up] [Down] [Left] [Right] [Check] [More]

Receiving Location

Warehouse: Los Angeles Location: LA-RECEPTION1

Item: BOSS_SOUL Order: 10034

Apple Usa Inc.

| | |
|-----------|---|
| BOSS_SOUL | 0.00 3.00 5Pack (15.00 Units) |
|-----------|---|

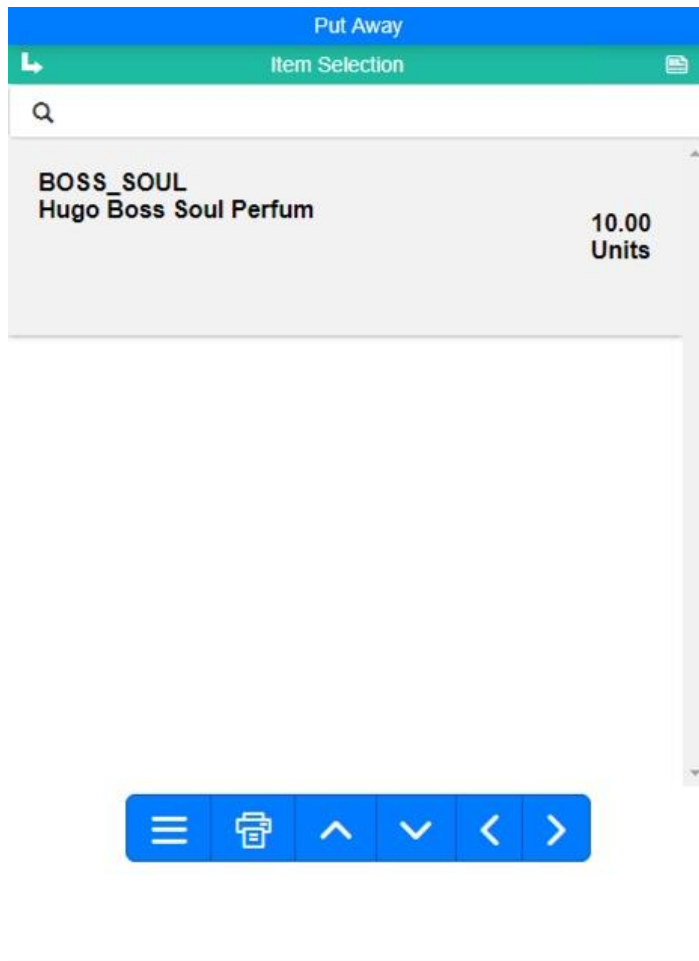
Quantity: (5Pack)

Navigation icons: [Print] [Left] [Right]

Put Away

If “5Pack” quantities were received then, at the moment of Put Away, the user will now have to indicate quantities in the Inventory UoM. WMS converts other UoM to the inventory UoM defined in the Item Master Data

For example, if 2 out of 3 “5Pack” were received, then the “Units” to put away will be 10.



Inventory Query

When generating an Inventory Query of an Item that has a UoM, the total quantity displayed will be in the Inventory UoM. For example, for the BOSS_SOUL Item, the quantities are displayed in “Units”.

The screenshot displays the SAP Inventory Query interface for the product BOSS_SOUL. The interface includes a search bar, dropdown menus for Warehouse Selection (Los Angeles) and Order By (Quantity), and a table showing the inventory query results. The table has three rows, each with a warehouse code, a product ID, and a quantity value. The quantity values are displayed in a green column. Below the table, there are four navigation buttons: up, down, left, and right.

| Warehouse Selection | Order By | Quantity |
|---------------------|------------------|----------|
| LA-F3 | 9000100110084259 | 10.00 |
| LA-F2 | 9000100001000227 | 20.00 |
| LA-F1 | 9000100010094567 | 30.00 |

Picking & Packing

The following Sales Order is about to be picked in WMS. This order has the same item but, with different UoM Codes and quantities for each UoM.

Sales Order

Customer: ZARA
 Name: Zara
 Contact Person: [dropdown]
 Customer Ref. No.: [input]
 Local Currency: [dropdown]

| Item/Service Type | | Item | Quantity | Unit Price | Discount % | Tax Code | Total (LC) | Whse | Qty in Whse | Distr. Rule | Shipping Type | UoM Code | Pick ID | Ship |
|-------------------|-----------|-----------|----------|--------------|------------|----------|-------------|------|-------------|-------------|---------------|----------|---------|------|
| 1 | BOSS_SOUL | BOSS_SOUL | 2 | EUR 50,00 | 0,000 | | \$ 130,00 | LA | 60 | | Air | Units | LA | |
| 2 | BOSS_SOUL | BOSS_SOUL | 2 | EUR 250,00 | 0,000 | | \$ 650,00 | LA | 60 | | Air | 5Pack | LA | |
| 3 | BOSS_SOUL | BOSS_SOUL | 3 | EUR 500,00 | 0,000 | | \$ 1.950,00 | LA | 60 | | Air | 10Pack | LA | |
| 4 | BOSS_SOUL | BOSS_SOUL | 1 | EUR 1.000,00 | 0,000 | | \$ 1.300,00 | LA | 60 | | Air | 20Pack | LA | |
| 5 | | | | | 0,000 | | | | | | | | | |

When the SO is selected in picking, the WMS will display on the right, different quantities in different UoM for each line of the SO.

For each line, the first value is the total amount of the inventory UoM to be picked but this is just informative. In the picking process the user picks the quantity of UoM defined in the SO.

For example, in the second line of the SO, the item BOSS_SOUL has the UoM "5Pack" with a quantity of 2. Then in WMS, the user will need to pick 2 units of "5Pack". The quantity of 10 "Units" is just informative, because "Units" is the inventory UoM

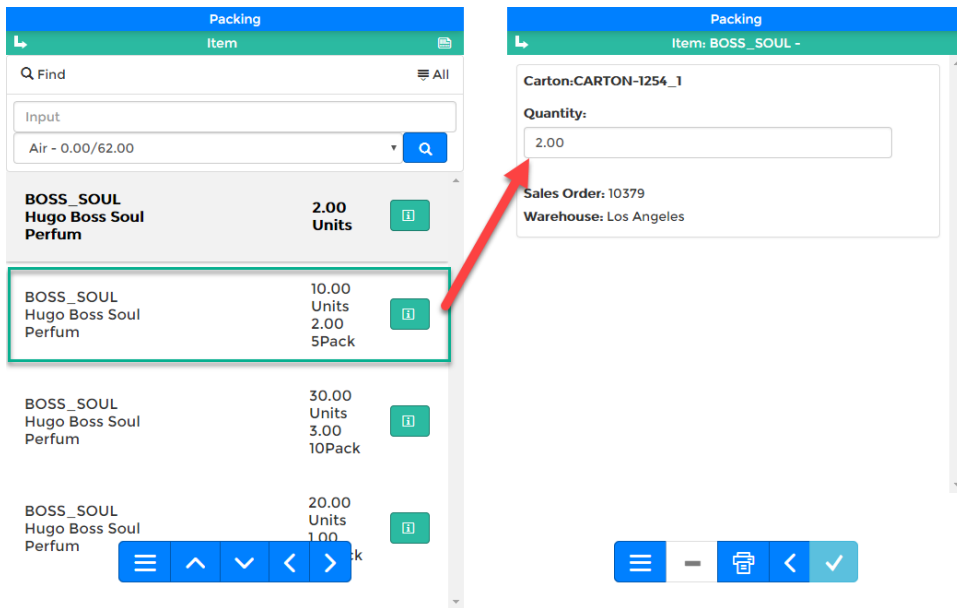
The left screenshot shows the 'Picking - Item Selection' screen. It lists four items for picking:

- BOSS_SOUL Hugo Boss Soul Perfum, WMS Rec: LA-F2, 2.00 Units
- BOSS_SOUL Hugo Boss Soul Perfum, WMS Rec: LA-F2, 10.00 Units, 2.00 Units, 5Pack
- BOSS_SOUL Hugo Boss Soul Perfum, WMS Rec: LA-F2, 30.00 Units, 3.00 Units, 10Pack
- BOSS_SOUL Hugo Boss Soul Perfum, WMS Rec: LA-F2, 20.00 Units, 1.00 Units, 20Pack

The right screenshot shows the 'Picking - Item: BOSS_SOUL - Hugo Boss Soul Perfum' screen. It displays the following information:

- Bin: LA-F2
- WMS Rec Bin: LA-F2
- Quantity: 2.00
- Count Picking 0 of 2 (5Pack)
- Sales Order: 10377
- Warehouse: LA - Los Angeles
- Bin: LA-PICKDEVICE1

The same applies to the packing process.



If the user checks the carton content in Packing or Shipping, WMS will show not only the quantities packed in the Inventory UoM, but also the one in the SO.

