argentis

WMS

Unit of Measure

V1.0

SAP Business One

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:

Reception

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

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

Items

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)

Receiving Location

Quantity

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)

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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.
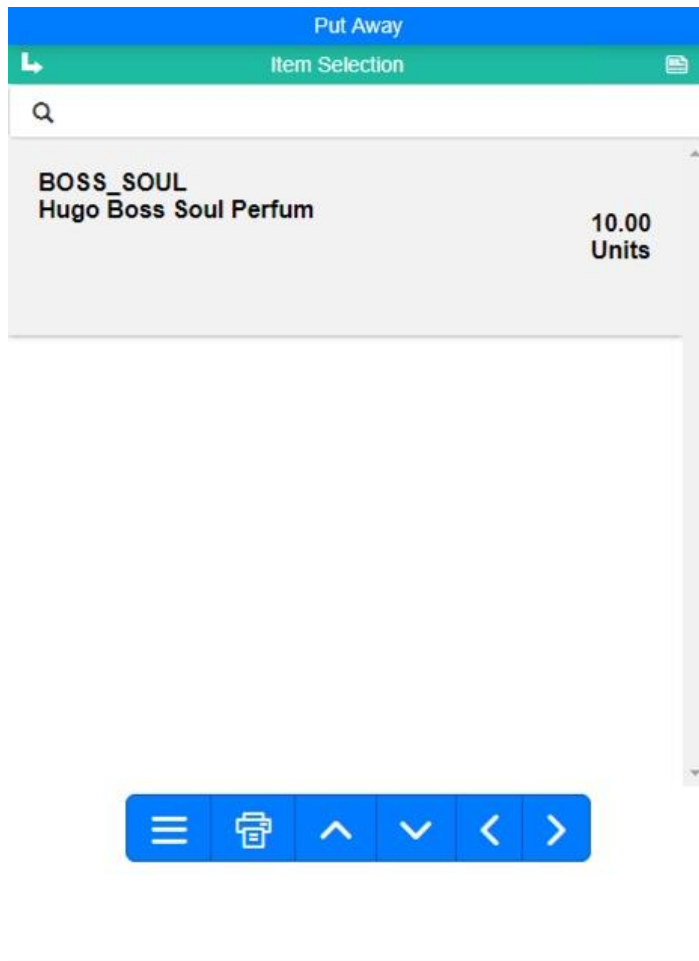
Inventory Query

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".

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	▼ ⊟
Customer Ref. No.	
Local Currency	▼

| Contents | Logistics | Accounting | Attachments |

Item/Service Type: Item

#	Item No.	Quantity	Unit Price	Discount %	Tax Code	Total (LC)	Whse	Qty in Whse	Distr. Rule	Shipping Type	UoM Code	Pick ID	Ship
1	⇨ BOSS_SOUL	2	EUR 50,00	0,000		$ 130,00	⇨ LA	60		Air ▼	Units		LA
2	⇨ BOSS_SOUL	2	EUR 250,00	0,000		$ 650,00	⇨ LA	60		Air ▼	5Pack		LA
3	⇨ BOSS_SOUL	3	EUR 500,00	0,000		$ 1.950,00	⇨ LA	60		Air ▼	10Pack		LA
4	⇨ 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

Picking

Item Selection — Q Find

BOSS_SOUL	2.00 Units
Hugo Boss Soul Perfum	2.00 Units
WMS Rec: LA-F2	

BOSS_SOUL	10.00 Units
Hugo Boss Soul Perfum	2.00 5Pack
WMS Rec: LA-F2	

BOSS_SOUL	30.00 Units
Hugo Boss Soul Perfum	3.00 10Pack
WMS Rec: LA-F2	

BOSS_SOUL	20.00 Units
Hugo Boss Soul Perfum	1.00 20Pack
WMS Rec: LA-F2	

Picking

Item: BOSS_SOUL - Hugo Boss Soul Perfum

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.

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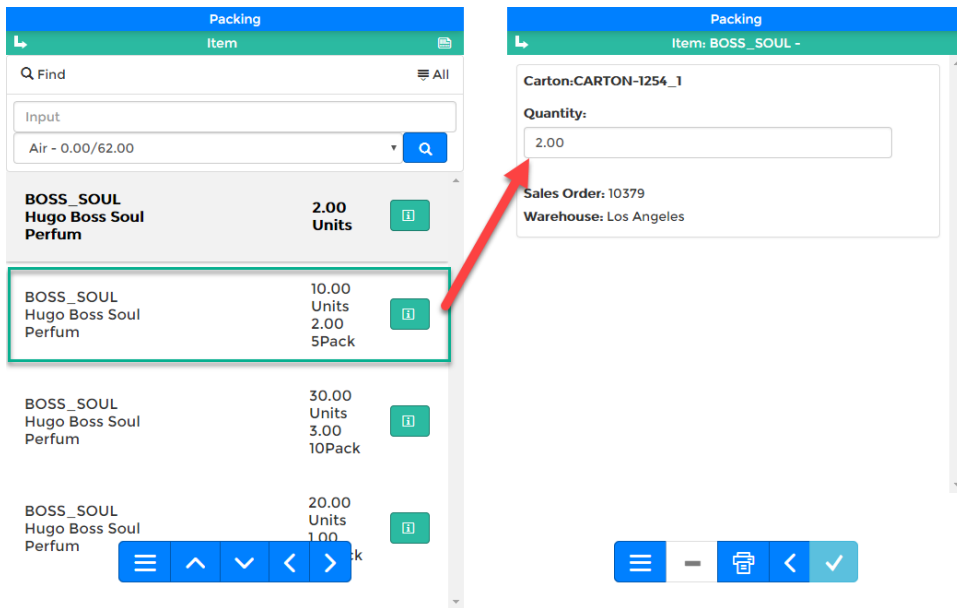
If the user checks the carton content in Packing or Shipping, WMS will show not only the quantities packed in the Inventory UoM, but also the one in the SO.