

Entersoft WMS 5.8.0.0

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New features and extensions

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Brief description of version contents

A summary of the main version features. Next up, the full new features & improvements catalog is broken down per category, along with the use of instructions & examples, as appropriate.

Entersoft WMS Back Office

- Container management as stock
- Splitting stock movement requests

Entersoft WMS Mobile

- Specify container in sorting
- 3PL stock movement receipt
- Check of expired real time picking lots
- Extension of the repackaging menu
- Specify target SSCC of ad hoc replenishment

Entersoft WMS Touch

- Product station: Reverse production
- Product station: Master Package in new container
- Packing station: Creating loading requests with parameters
- Receipt station: Focus on the SSCC field
- Receipt station: Ad hoc item receipt
- General implementations: Dialog translations
- General implementations: Automatic weighing

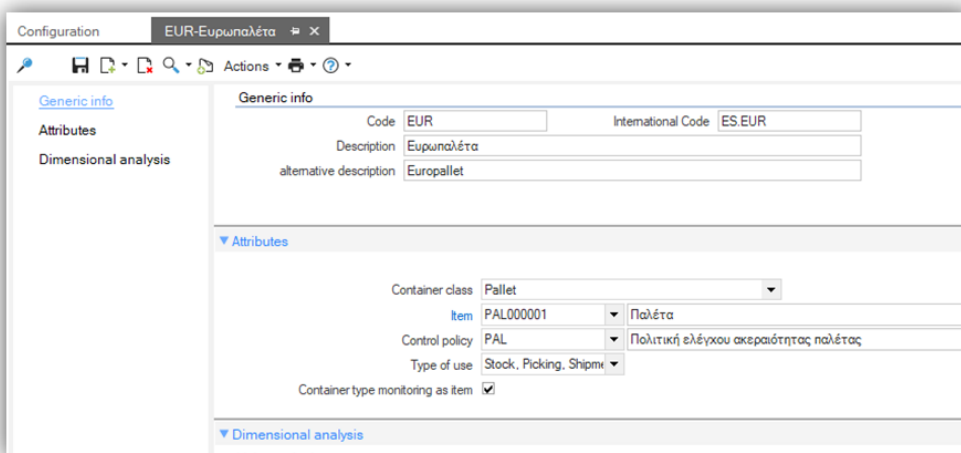
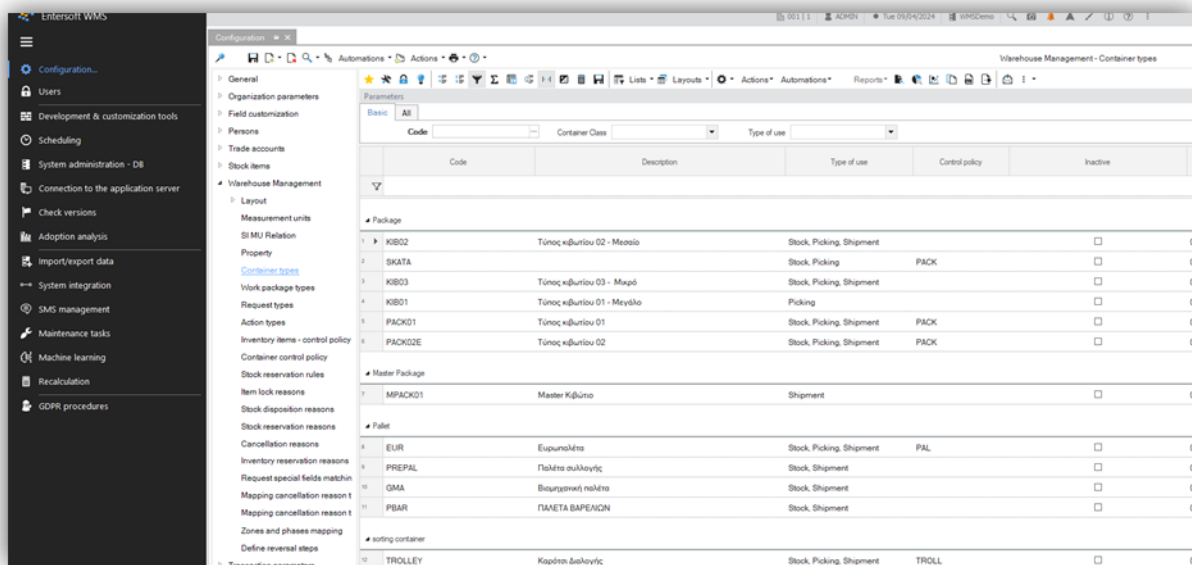
1. WMS Back Office extensions

1.1 Container management as stock

In this version it is possible to monitor the stock of empty pallets in WMS, in order to improve pallet management in the installation. In particular, the following parameter was added to the container type:

[<Monitor container type as item>](#)

When enabling it, in the action of a container that changes position, a corresponding stock movement action is created. In the configuration (of the application) and then, in the containers types, the user selects the relevant type and can set it to be monitored.



1.2 Splitting stock movement requests

Respective to the picking and receipt parameters, parameters were added that define the fields by which stock movement requests are grouped per item line.

040	Exclude zones from automatic consumption	Completed	WMS_EXCLUDED_ZONES_FROM_AU...	00
041	Failed to process initial shipping order after cancelling SO	Completed	WMS_PROCESS_FAILURE_SHIPMEN	True
042	Field List for Item Movement Request Grouping	Completed	WMS_StockMoveRequestGroupingFields	0
	Field List for Receipt Request Grouping	Completed	WMS_ReceiptRequestGroupingFields	0
043	Field of Trade Document Line in which the number of additional days is declared as lot due date.	Completed	WMS_NumOfDaysToAddToExpirationA...	UDFValue5
044	Fields list for Picking Requests Grouping	Completed	WMS_PickingRequestGroupingFields	1536
045	Generated WMS receipt documents attribute	Completed	DIM_WMS_RECEIPT_DOCUMENT	WMS_RECEIPT_DOCUM

Fields list for Grouping Stock Movement Requests >WMS_StockMoveRequestGroupingFields

2. WMS Mobile Extensions

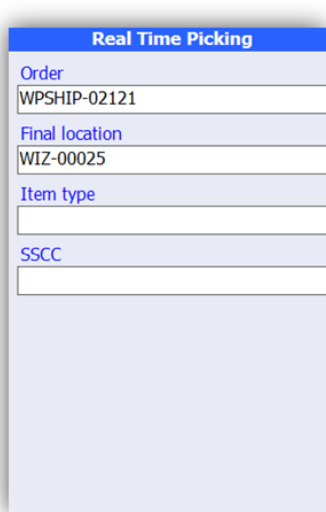
2.1 Specify container in sorting

This extension optimizes customer workflows in the sorting part, as sorting in a container allows the option of “on-site” packaging.

In particular, from now on, during picking, whether that happens in picking, or from the separate sorting menu, it will be possible to specify a container (of all types).

- If packing will follow the sorting, then the container will be a sorting container.
- If after loading will follow the sorting, the container can be a pallet or a package.

1. From the Picking: [In RF from menu 3.ORDERS>8.REAL TIME PICKING](#)



Real Time Picking

Order
WPSHIP-02121

Final location
WIZ-00025

Item type

SSCC



Real Time Picking WPSHIP-0212

1

W/H: 1 ΚΕΝΤΡΙΚΑ ΕΔΡΑΣ

Location: S028P - Θέση picking

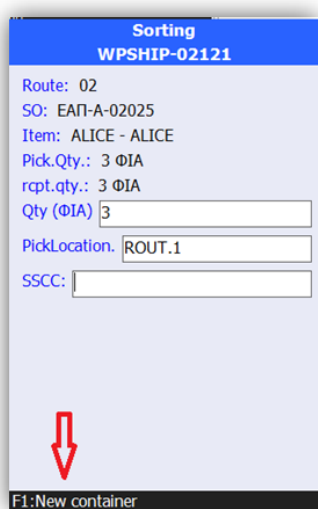
Item: ALICE - ALICE

Stock: 20 ΦΙΑ

Available Stock: 14 ΦΙΑ

To Pick: 3 ΦΙΑ

Quantity (ΦΙΑ):



Sorting
WPSHIP-02121

Route: 02

SO: ΕΑΠ-A-02025

Item: ALICE - ALICE

Pick.Qty.: 3 ΦΙΑ

rcpt.qty.: 3 ΦΙΑ

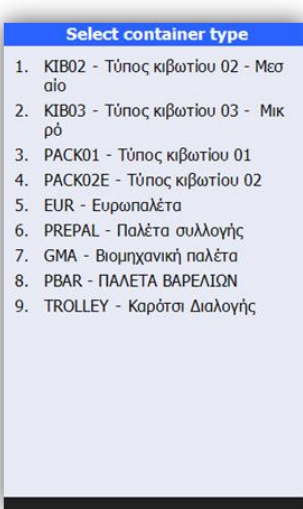
Qty (ΦΙΑ)

PickLocation:

SSCC:

↓

F1:New container



Select container type

1. ΚΙΒ02 - Τύπος κιβωτίου 02 - Μεσαίο
2. ΚΙΒ03 - Τύπος κιβωτίου 03 - Μικρό
3. PACK01 - Τύπος κιβωτίου 01
4. PACK02E - Τύπος κιβωτίου 02
5. EUR - Ευρωπαϊκά
6. PREPAL - Παλέτα συλλογής
7. GMA - Βιομηχανική παλέτα
8. PBAR - ΠΑΛΕΤΑ ΒΑΡΕΙΩΝ
9. TROLLEY - Καρότσι Διαλογής

2. From the Sorting menu: [In RF, 3.ORDERS > 8.SORTING](#)

Sorting

Order
WPSHIP-02168

Location
WIZ-00025

**Sorting
WPSHIP-02168**

Route: 04
SO: EAP-A-02062
Item: IMP26936A - IMP26936A
Stock.: 1 KIB12
Sorting Qty.: 1 KIB12
Qty (KIB12): 1
Location: ROUT.1
SSCC:

By pressing Enter in the SSCC field, we have:

Select container type

1. KIB02 - Τύπος κιβωτίου 02 - Μεσαίο
2. KIB03 - Τύπος κιβωτίου 03 - Μικρό
3. PACK01 - Τύπος κιβωτίου 01
4. PACK02E - Τύπος κιβωτίου 02
5. EUR - Ευρωπαϊκά
6. PREPAL - Παλέτα συλλογής
7. GMA - Βιομηχανική παλέτα
8. PBAR - ΠΑΛΕΤΑ ΒΑΡΕΛΙΩΝ
9. TROLLEY - Καρότσι Διαλογής

2.2 3PL stock movement receipt

In essence, this is an extension of the already existing functionality that has been available for trade documents. In this version, the use of document line SSCC will be supported in the receipt request and for stock documents (ITN, IWB, etc.).

With this optimization, if the SSCC, declared as stated in the receipt document, is scanned by the user, all its contents will be automatically received and there will be no need to scan all line items one by one.

For example, a need to be met with this extension and functionality is the stock movement receipt by Third Party Logistics packages without scanning the items. Intra-branch stock movements are also covered.

2.3 Check of expired real time picking lots

In this version, a new check on the lot expiry date was added to the real time picking process.

The aim is to improve the whole process, during which if the user now accidentally tries to pick expired lots, then this warning will be displayed on the RF, informing the user that the selected lot has expired.

Then, the user can choose to proceed with picking or not. In other words, any errors that users may have been making so far will be eliminated, if they hadn't noticed that the lots have expired.

Detailed example as follows:

From RF in menu: 3.ORDERS => 3.REAL TIME PICKING

Real Time Picking	Real Time Picking WPSHIP-0008 9
Order WPSHIP-00089	W/H: 1 KENTRIKA ΕΔΡΑΣ
Final location ROUT01	Def.Location: 01.1.1.1
Package type	Item: item500 - item500
Item type	Stock.: 10 TEM
SSCC	Available Stock. 10 TEM
	To Pick.: 10 TEM
	SSCC
	Confirm location
	01.1.1.1

Real Time Picking WPSHIP-0008	Attention
9	Lot has expired. Confirm
W/H: 1 KENTRIKA ΕΔΡΑΣ	
Location: 01.1.1.1 - Θέση συλλογής	
Item: item500 - item500	
Stock.: 10 TEM	
Available Stock. 10 TEM	
To Pick.: 10 TEM	
Confirm Item	
item500	
	1. Yes 2. No

This feature is also available in hotfix of versions 5.6.0.0 and 5.7.0.0.

2.4 Extension of the repackaging menu

A new menu has been added to the RF, named Per package By relationship, through which the per package process will be implemented and only the stock that can be repackaged will be, based on the relationship and the rest will remain as it is.

In short, the entire implementation will work like stock repackaging and the Back Office. With this optimization it will be possible to better update stock in a warehouse, with all the advantages that this entails for its proper functioning.

More specifically, here's an indicative example to illustrate the above improvement.

We have stock:

Parameters

Είδος αποθήκης

Θέση αποθήκευσης

Περιέκτης

Εταιρικές διαστάσεις

All

Item

KAWA

...

Color

...

Size

...

Item dimension 1

...

Lot

...

Reservation reason

...

Disposition reason

...

Shortages / Surpluses

All

▼

Location	▲	Stock WH	Item code	▲	Item description	Quantity	MU	Superi or MU	Weight	weight MU	Reservi on reason	Dispositi on reason	Lot barcode	End date	Pallet SSC
▲ Ste: (1) ΚΕΝΤΡΙΚΑ ΕΔΡΑΣ (Count: 1)															
1 ▶	001		(1) ΚΕΝΤΡΙΚΑ ΕΔΡ...		kawa		kawa		163	TEM					

In RF from menu: 2.STOCK > ON THE SECOND PAGE 2. REPACKAGE BY RELATIONSHIP

Change Stock

LOCATION

001

SSCC

Change Stock

Item

kawa

E3:Search

Change Stock
Items

Item: kawa
Desc.: kawa
QTY: 163
Pack.: TEM (1TEM)
W/H: 1

Select MU

1. KIB

**Repackaging
kawa**

Repackaging Qty. (TEM)

163

Quantity (to) (KIB)

13

The stock is now as follows:

Site: (1) KENTPIKA ΕΔΡΑΣ (Count: 2)					
1	001	(1) KENTPIKA ΕΔ...	kawa	kawa	7 TEM
2	001	(1) KENTPIKA ΕΔ...	kawa	kawa	13 KIB (156... ✓

This feature is also available in the hotfix of version 5.7.0.0.

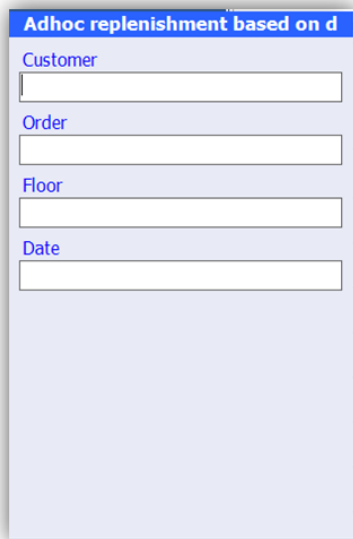
2.5 Specify target SSCC of ad hoc replenishment

A new functionality was added to this version with regard to Ad Hoc Replenishment based on demand. More specifically, it is now possible, during execution of the RF flow, to specify a pallet after the target location.

In installations where the items are in a pallet container and package (i.e. nested) this is an implementation that gives great potential.

In, RF from menu:

[3.ORDERS > 6. REPLENISHMENT > 3. ADHOC BASED ON DEMAND >](#)



The screenshot shows a mobile application interface for 'Adhoc replenishment based on d'. It features a blue header bar with the title. Below the header, there are four input fields, each preceded by a label: 'Customer', 'Order', 'Floor', and 'Date'. The 'Customer' and 'Order' labels are in blue, while 'Floor' and 'Date' are in black. Each label is followed by a white rectangular input field. The bottom half of the screen is a solid light blue area.

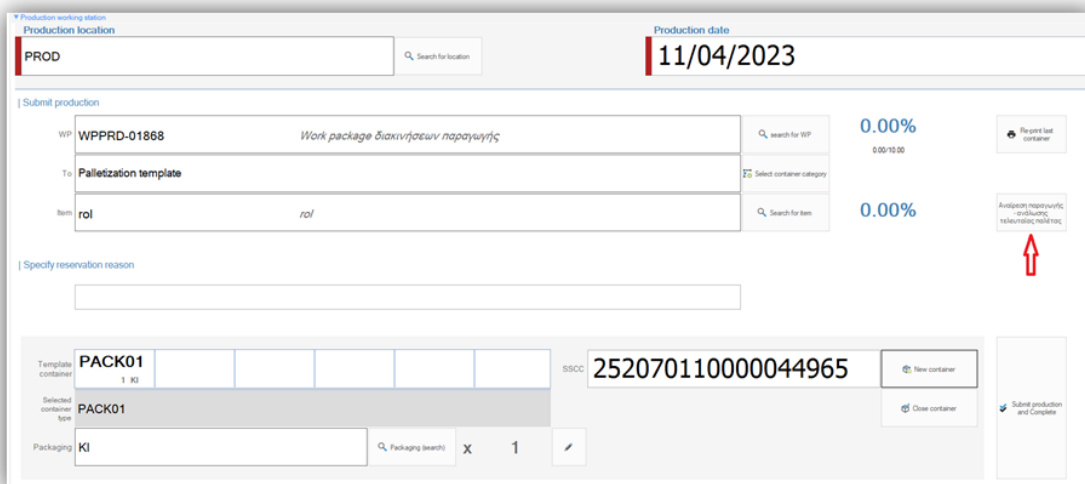
3. WMS Touch applications extensions

3.1 Product station

3.1.1 Production reversal

Basically, when the “Reverse pallet production- consumption” button is pressed, the production date will not be pre-filled, but will take into account the period of days set.

More specifically, the user experience in Product Station was optimized, particularly for customers who have production orders with dates prior to the production execution.



The screenshot displays the 'Production working station' interface. At the top, the 'Production location' is set to 'PROD' and the 'Production date' is '11/04/2023'. The 'Submit production' section shows a work package 'WPPRD-01868' with a description 'Work package διακίνησης παραγωγής'. Below this, the 'Palletization template' is set to 'rol' and the 'Item' is 'rol'. The 'Specify reservation reason' field is empty. The 'Template container' section shows 'PACK01' with a quantity of '1 x0'. The 'Selected container type' is 'PACK01'. The 'Packaging' field is 'KI'. The 'SSCC' field contains the value '252070110000044965'. On the right side, there are two progress indicators, both at '0.00%'. A red arrow points to the 'Submit production and Complete' button.

This feature is also available in hotfix of versions 5.4.0.0, 5.5.0.0 and 5.6.0.0.

3.1.2 Master Package in new container

In this version, the Master Package (main Package) is supported when creating a new container in the Product Station.

Specifically, until today it was possible to create a pallet container type, so now the existing functionality was extended to offer the user more capabilities when closing the actions they're implementing.

This will result better quality in the user's work. Below is a typical example of Production in the Product Station, where the default palletization has been selected and then the final step to create a new Master Package container.

Production working station

Production location: **PROD** Search for location

Production date: **11/04/2023**

| Submit production

WP: **WPPRD-01868** *Work package διακινήσεων παραγωγής* search for WP

To: **Palletization template** Select container category

Item: **rol** *rol* Search for item

0.00% 0.00/10.00

0.00%

| Specify reservation reason

Template container: **PACK01** 1 KI

Selected container type: **PACK01**

Packaging: **KI** Packaging search) X

select container type

Container type	Code	Description
	MPACK01	Master Κιβώτιο
	GMA	Βιομηχανική παλ...
	PBAR	ΠΑΛΕΤΑ ΒΑΡΕΛ...
	EUR	Ευρωπαϊκά
	PREPAL	Παλέτα συλλογής

New container

Close container

Submit production and Complete

Production location: **PROD** Search for location

Production date: **11/04/2023**

| Submit production

WP: **WPPRD-01868** *Work package διακινήσεων παραγωγής* search for WP

To: **Palletization template** Select container category

Item: **rol** *rol* Search for item

0.00% 0.00/10.00

0.00%

| Specify reservation reason

Template container: **PACK01** 1 KI

Selected container type: **PACK01**

Packaging: **KI** Packaging search) X 1

SSC: **152070110000044975**

New container

Close container

Submit production and Complete

This feature is also available in the hotfix of version 5.7.0.0.

3.2 Packing station – Creating loading requests with parameters

This feature was implemented in packing through the Packing Station, so that the creation of loading requests is done with parameters, when a target location with a shipment zone is specified.

That means, user is able to easily specify using a parameter if they want to create a loading request or not.

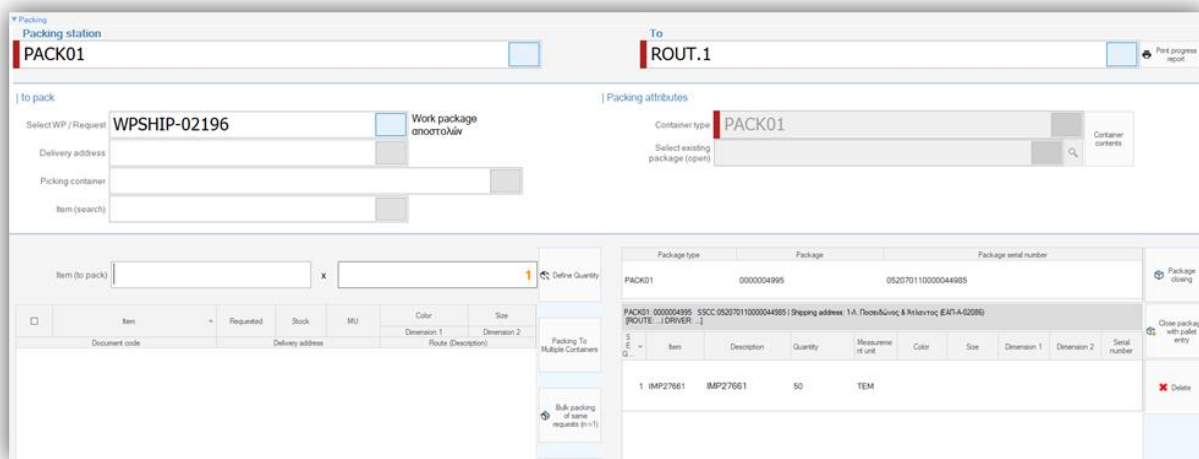
The parameter is: **GENERATE_LOADING_REQUEST**,

when this parameter is >> True

a loading request is then created,

while when it's>> False, it is not created.

For example, we have the following: the packing action is implemented through the packing station.



- With the True parameter we can see that the loading request was created as it should.

	Open	WP Code	Resource code	Request status	Code	Request description	Request registration date	Quantity	MU	Open quantity (Service MU)	Lot barcode	WH	Storage location	Package SSCC
▼														
▲														
▶	IMP27661 (IMP27661)	WPSHIP-02196	Σε εξέλιξη	μLOAD-01352	Αίθριο φόρτωμας	09/04/2024	(-) 50,000	TEM	50	From: 1	From: ROUT.1		052070110000044985	

- The the False parameter we can see that a loading request has been created, as it should.

	Open	WP Code	Resource code	Request status	Code	Request description	Request registration date	Quantity	MU	Open quantity (Service MU)	Lot barcode	WH	Storage location	Package SSCC
▼														
▲														
▶														

3.3 Receipt Station

3.3.1 Focus on the SSCC field

A new parameter was added to the Receipt Station:

INPUT_SSCC_FOCUS with default value False.

Enabling it will keep the cursor focus on the SSCC field after closing the package. (and not in the item field, as it happens when the parameter is False).

This functionality will be useful in facilities where receipts are implemented in SSCC in the document line (the receipt station is configured for receipt in a request container).

This optimization will eliminate any errors that may have been caused, in cases where the user forgets to put a new SSCC after closing the package during the receipt, which would have risked continuing to digitally receive items in the already closed package.

All this is simplified with the above parameter (cursor focus on the SSCC field) that facilitates user processes.

In the following images, there's a simple example depicting the full optimization.

Enter Weight

0000 KIPM

keep tare
Auto weigh

▼ Recent

Select WP
WPRCPT-00363

Search item (of request)

AdHoc Item Search

Item (to be received)

Complete receipt

Select supplier
SUP00008

Container content

Receipt in requests container
☒

SSCC (to receipt)
252070110000044477

Close container

Ad hoc receipt
0.00%
0.00/30.00

Print per WP
0.00%

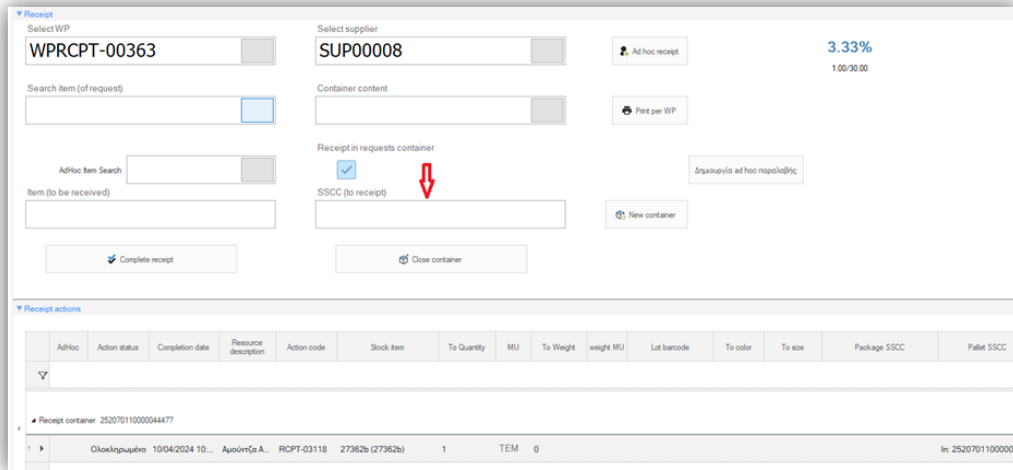
New container

Δρυσμολογία ad hoc ημερολόγιος

▼ Receipt actions

Adhoc	Action status	Completion date	Resource description	Action code	Stock item	To Quantity	MUJ	To Weight	weight MUJ	Lot barcode	To color	To size	Package SSCC	Pallet SSCC	Location
▲ Receipt container: 252070110000044477															
▶			Ιε ελ(Δ)Λ/1		Αποβλήτα Α... RCPIT-0311B	27362b (27362b)	1	TEM	0						In: 2520701100000444... To: PIN...

The following image shows that the focus is found on the SSCC field.



This feature is also available in hotfix of versions 5.6.0.0 and 5.7.0.0.

3.3.2 Ad hoc item receipt

This implementation is an extension of the already existing Product Station functionality. Now, this idea has been transferred to the Receipt as well. Basically, a new control has been added, so that by pressing it the user can select the item they want to receive ad hoc.

This implementation is considered extremely important, in cases where users don't have a barcode to scan and don't remember the code of the item that needs to be received ad hoc, in order to enter it in the field "Item (to be received)".

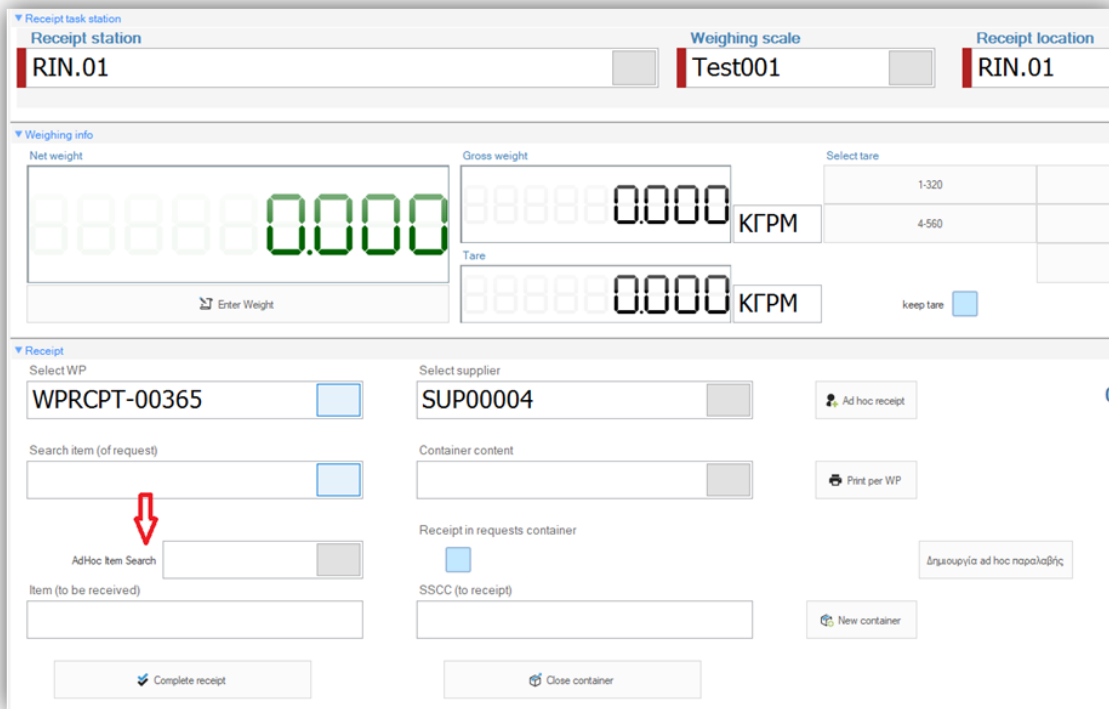
Added a new parameter: [AD_HOC_ITEM_SEARCH](#) ---> [False](#)

With default value False.

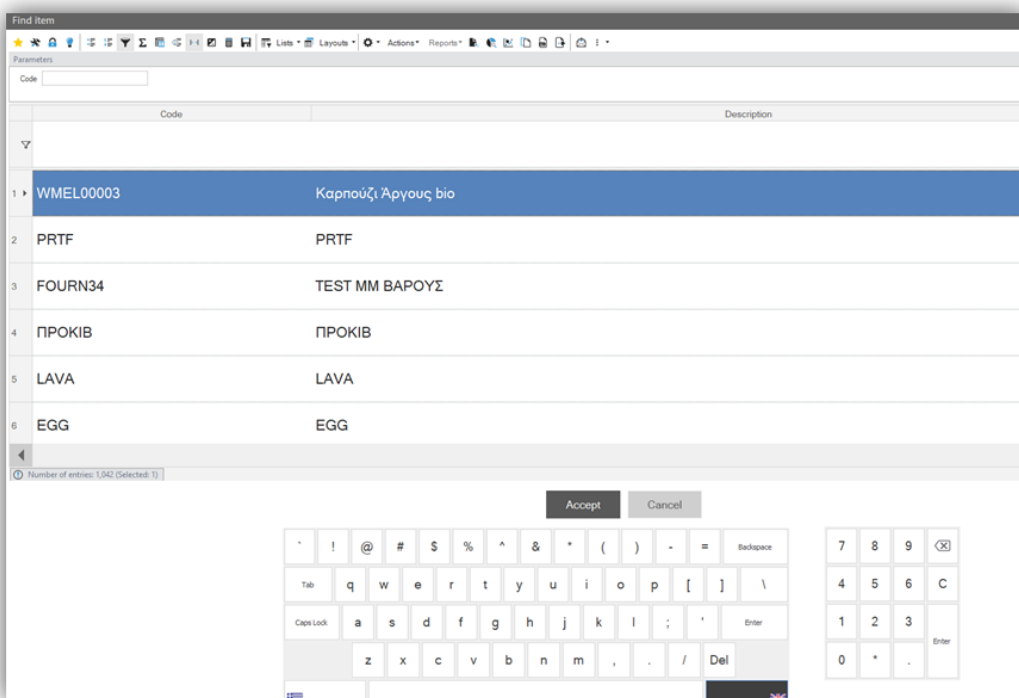
When the parameter is enabled, a new field will appear on the Station.

Ad Hoc Item Search

Below is a typical example to make the extension easier to understand.



Then, by clicking on the control of AdHoc Item Search, we get:



Code	Description
WMEL00003	Καρπούζι Άργους bio
PRTF	PRTF
FOURN34	TEST MM ΒΑΡΟΥΣ
ΠΡΟΚΙΒ	ΠΡΟΚΙΒ
LAVA	LAVA
EGG	EGG

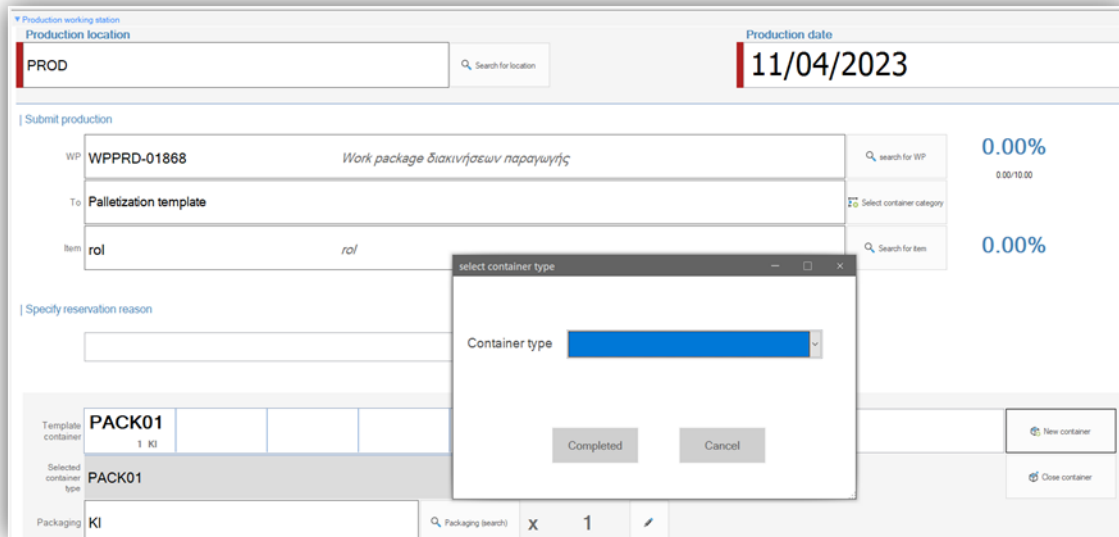
3.4 General touch application implementations

3.4.1 Dialog translations

More specifically, this version will now display Kiosk applications dialogs translated. Users will be able to login with a language other than Greek in all kiosk applications, in order to be able to work and utilize all the existing functionalities and features.

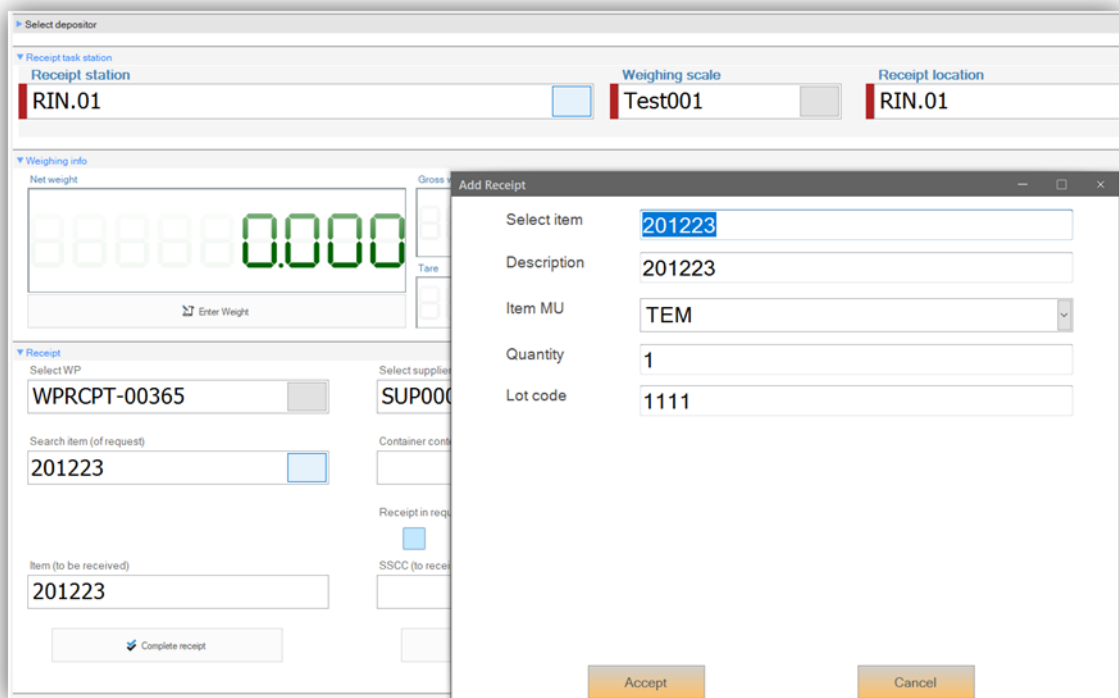
This extension is added to the already existing improvements on this part (of translations) from previous versions, so that there is now a fully optimized and full user experience, in all areas of a modern application even for those who log in with another language.

Product Station



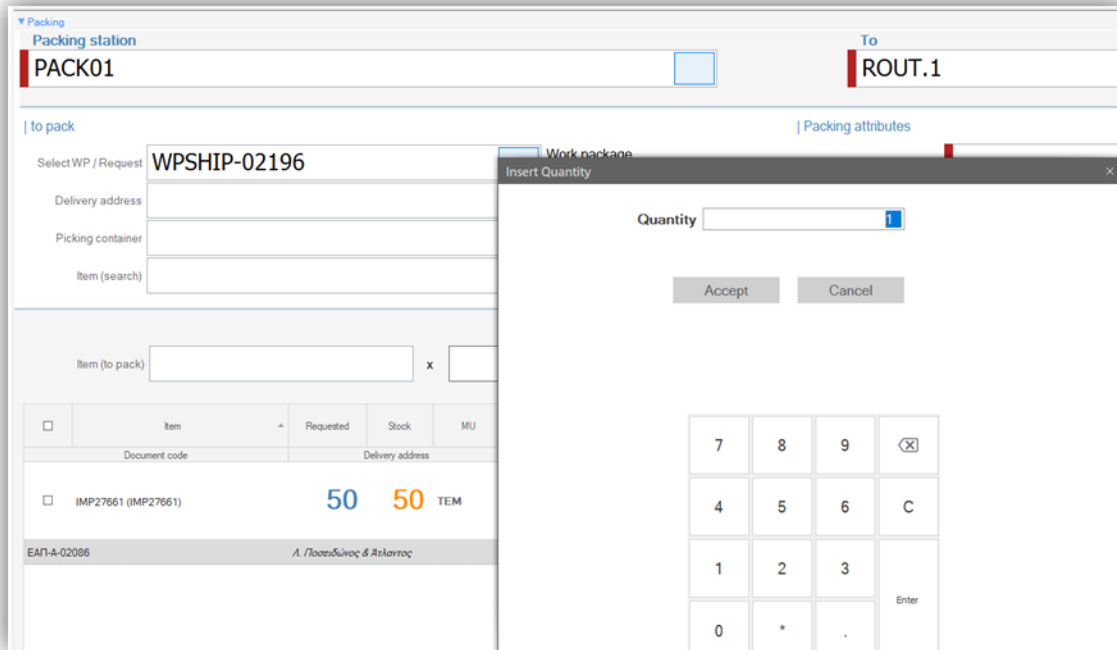
The screenshot shows the 'Production working station' interface. At the top, there's a 'Production location' field with 'PROD' and a 'Production date' field with '11/04/2023'. Below this is the 'Submit production' section. It includes fields for 'WP' (WPPRD-01868), 'To' (Palletization template), and 'Item' (rol). A modal window titled 'select container type' is open, showing a 'Container type' dropdown menu. The background form also has a 'Specify reservation reason' section and a 'Template container' section with 'PACK01' and 'KI'.

Receipt Station



The screenshot shows the 'Receipt task station' interface. At the top, there's a 'Select depositor' field with 'RIN.01', a 'Weighing scale' field with 'Test001', and a 'Receipt location' field with 'RIN.01'. Below this is the 'Weighing info' section with a 'Net weight' field showing '0.0000'. A modal window titled 'Add Receipt' is open, showing fields for 'Select item' (201223), 'Description' (201223), 'Item MU' (TEM), 'Quantity' (1), and 'Lot code' (1111). The background form also has a 'Receipt' section with 'Select WP' (WPRCPT-00365) and 'Select supplier' (SUP000).

Packing Station



The screenshot shows the 'Packing station' interface with the following details:

- From:** PACK01
- To:** ROUT.1
- Select WP / Request:** WPSHIP-02196
- Delivery address:** (empty field)
- Picking container:** (empty field)
- Item (search):** (empty field)
- Item (to pack):** (empty field) x (empty field)
- Table:**

Item	Requested	Stock	MU
IMP27661 (IMP27661)	50	50	TEM
- Document code:** EAP1-A-02086
- Delivery address:** Α. Ποσειδώνος & Ατλαντός

The 'Work package' dialog box is open, showing:

- Quantity:** (input field with '1')
- Buttons:** Accept, Cancel
- Keypad:**

7	8	9	<X>
4	5	6	C
1	2	3	Enter
0	*	.	

3.4.2 Automatic weighing

It's an implementation of utmost importance, concerning the Product and Receipt Station. A lot of changes and improvements have been realized in both the Stations, concerning weighing.

The following parameters were added:

```
<ES00KioskParam>
  <Code>AUTOMATIC_WEIGHING_SCALE_MODE</Code>
  <Value>False</Value>
</ES00KioskParam>
```

This parameter has False as default value. By enabling it, the Auto Weigh field of the Receipt and Product Stations appears. Basically, it's the parameter that activates the whole implementation and starts the process of automatic weighing.

```
<ES00KioskParam>
  <Code>WEIGHING_SCALE_TIME_SECONDS_GET_MEASUREMENT</Code>
  <Value>0,5</Value>
</ES00KioskParam>
```

With the above parameter, the user can specify the time limit, meaning when weighing will be “called” by the weighing scale. For example, every half second (0.5 as specified above), it’s required to run a weighing, or depending any kind of time limit that has been specified in an installation.

```
<ES00KioskParam>
```

```
<Code>AUTOMATIC_WEIGHING_SCALE_MODE_WEIGHT_LIMIT</Code>
```

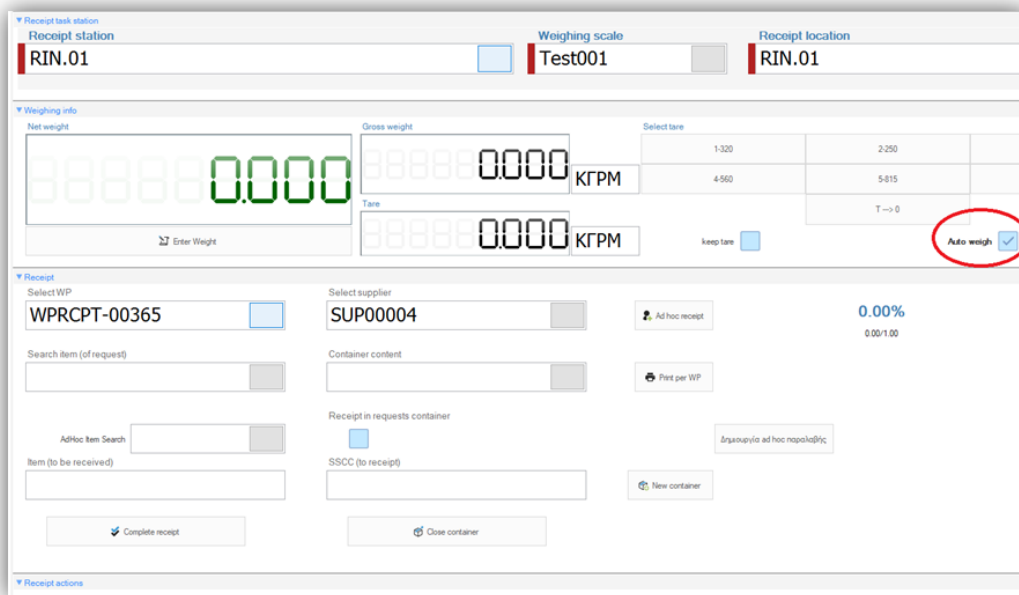
```
<Value>0,5</Value>
```

```
</ES00KioskParam>
```

With this parameter, the user will be able to specify the kg limit. After that, the automatic weighing mode - implementation will start running. The limit specified is the max tare of the installation, for example the crate tare.

More specifically, the limit in our case is “0.5”, which means that the weighing scale will start weighing when this limit is exceeded. This parameter is used to specify the maximum weight for the tare.

Receipt Station



Receipt task station

Receipt station: RIN.01

Weighing scale: Test001

Receipt location: RIN.01

▼ Weighing info

Net weight: 0.0000

Gross weight: 0.0000 KΓPM

Tare: 0.0000 KΓPM

Select tare: 1-320, 2-250, 4-560, 5-815, T → 0

keep tare: ☐

Auto weigh: ☒

▼ Receipt

Select WP: WPRCPT-00365

Select supplier: SUP00004

Ad hoc receipt:

Print per WP:

New container:

Complete receipt:

Close container:

0.00%
0.00/1.00

Διαγραφή/αδ hoc παραγγελία

▼ Receipt actions

Product Station

Weighing station
PROD

Weighing scale

Production location
PROD

Production
11/0

| Submit weighing measurements

Net weight
888880.0000

Gross weight
888880.0000 ΓΡ

Tare
888880.0000 ΓΡΑΜ

Enter Weight

Select tare
1-320 2-250
4-560 5-815
T-00

keep tare ☐

Auto weigh ☒

| Submit production

WP WPPRD-01868 Work package διακινήσεων παραγωγής

To Palletization template

Item rol rol

search for WP 0.00%
0.00/10.00

Select container category

Search for item 0.00%

Template container
1 KI

Selected container type
PACK01

Packaging KI

Packaging (search) x 1

New container
Close container