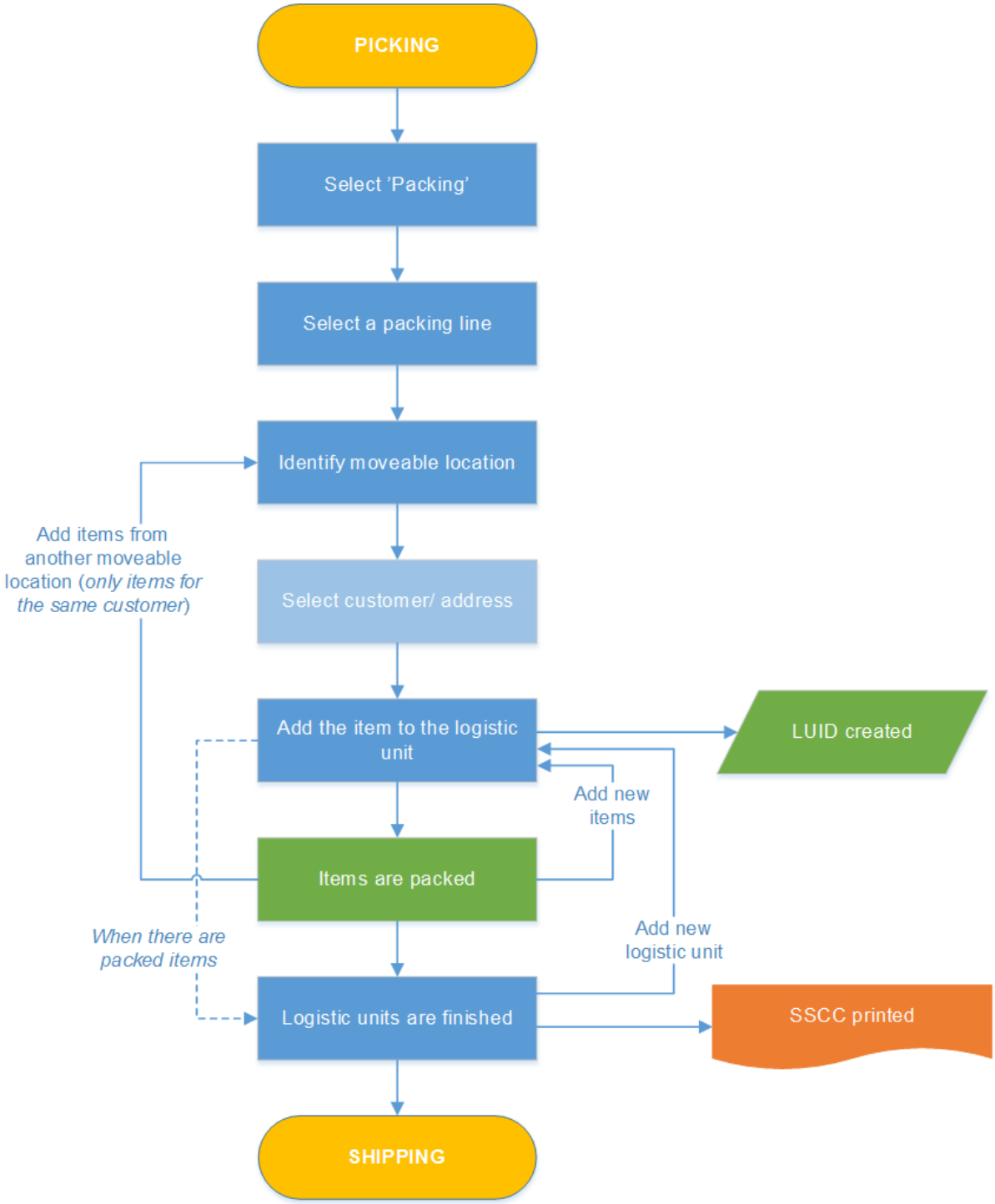
Packing Flow

Workflow



- Select a packing line
- Identify moveable location
- Add items
- Finish logistic unit

Note: It is possible to set the touchscreen to be only used for the Packing flow: In the Organizational Structure select the *MainTouchPackingFlow* for the thin client. For more information about the thin client settings see: 5.2.10. Thin client settings.

Packing Flow steps

1. Select a packing line

Select a packing line where the items that have to be packed are located.



2. Identify moveable location

After selecting a packing line, scan the moveable location on which the items currently are or tap the `Enter cart manually` button and enter the code of the moveable location by using the keyboard.



When there are items picked for multiple customers onto that moveable location, the system displays a list of these customers. Select a customer/address and proceed by tapping the right arrow button. When there are items for only one customer on the moveable location, the system automatically proceeds with that customer.

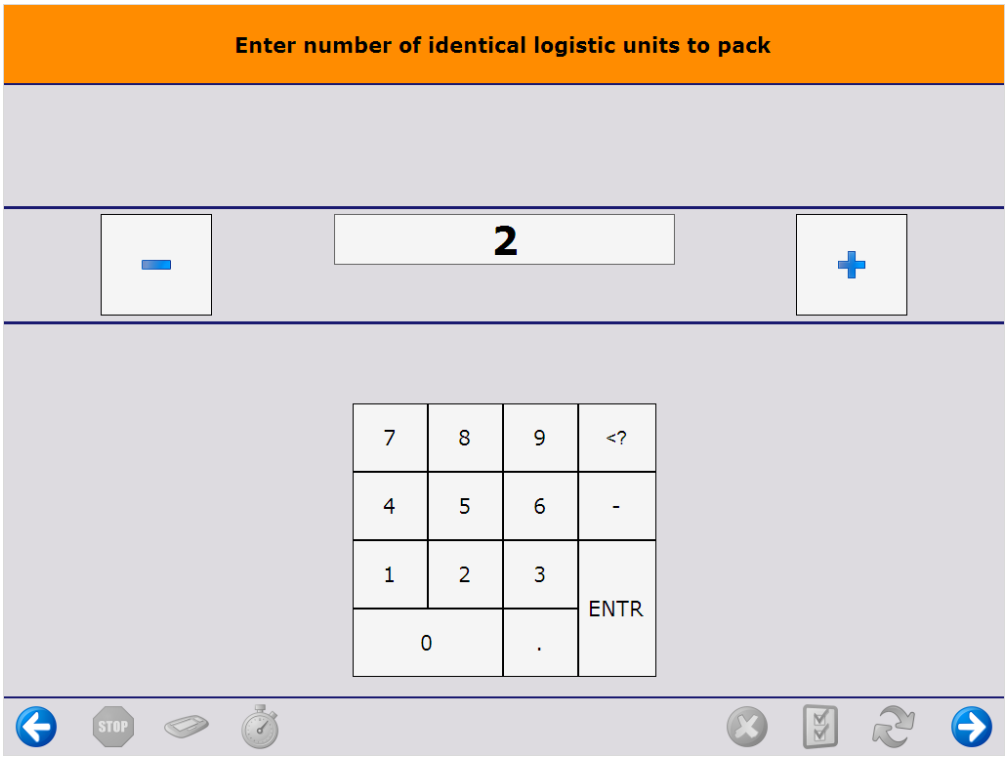


3. Select a task

When the *Allow to create master SSCC* option is enabled on the Pick list controller, it is possible to create a master SSCC during the packing. On the Select a task screen tap the `Create master SSCC` button to pack onto a master SSCC. Tap the `Create normal SSCC` button to pick onto a normal SSCC.



When the *Use pallet packing type from customer master data* option is enabled on the on the Packing controller and the Pallet packing type is *Multiple Pallet*, *Pallet –multiple carton* or *Ask user*, add the number of identical logistic units as well.



In the case of working with master SSCCs, first add the number of the identical master SSCCs and then add the number of identical sub SSCCs on a single master SSCC.

4. Adjust quantity and select items

On the next screen the system displays the list of the items picked into the movable location. You can use the input field to filter the list.

Displayed information:
At the top left corner the system shows the name of the customer and the shipping address.

At the top right corner the system displays the picklist number(s), the SSCC number and the pick and pack remarks.

Note: When packing on multiple SSCCs, the system displays the text *Multiple SSCCs*.

Additional information displayed on the screen: barcode, item code, item description, batch number, best before date and total quantity.

The total quantity marks the open quantity on the moveable location.

- When packing on multiple SSCCs, the total quantity marks the total quantity on the moveable location / the number of identical SSCCs.
- When packing on multiple identical master and sub SSCC, the total quantity marks the total quantity on the moveable location / (the number of identical master SSCCs * number of identical sub SSCCs)

Grouped items

By default, the system groups the items that have the same identical item number, batch1 number and best before date. You can ungroup and then regroup the items by clicking the button.
If the grouped lines have items managed by serial numbers, the system asks you to scan the serial numbers by picklist lines as a next step in the flow.



Adjust quantity

By default, the system displays the total quantity in the Quantity to pack section. The maximum quantity that can be packed is the total quantity on the line.

Adjust the quantity by tapping + or - in the Quantity to pack section. The quantity can also be entered by using a keyboard. Click on the quantity field and enter the quantity on the keyboard. Press `Enter` to close the keyboard.



Select items

Select the items to be packed by clicking on the line or use the `Select all` button to select all the items on the list.



5. Add items

If at least one item is selected, the `Add items` button becomes active. Tap the button and the selected items are moved onto the logistic unit.

The items that have already been packed are not displayed on the list. Packed items cannot be removed from the logistic unit.

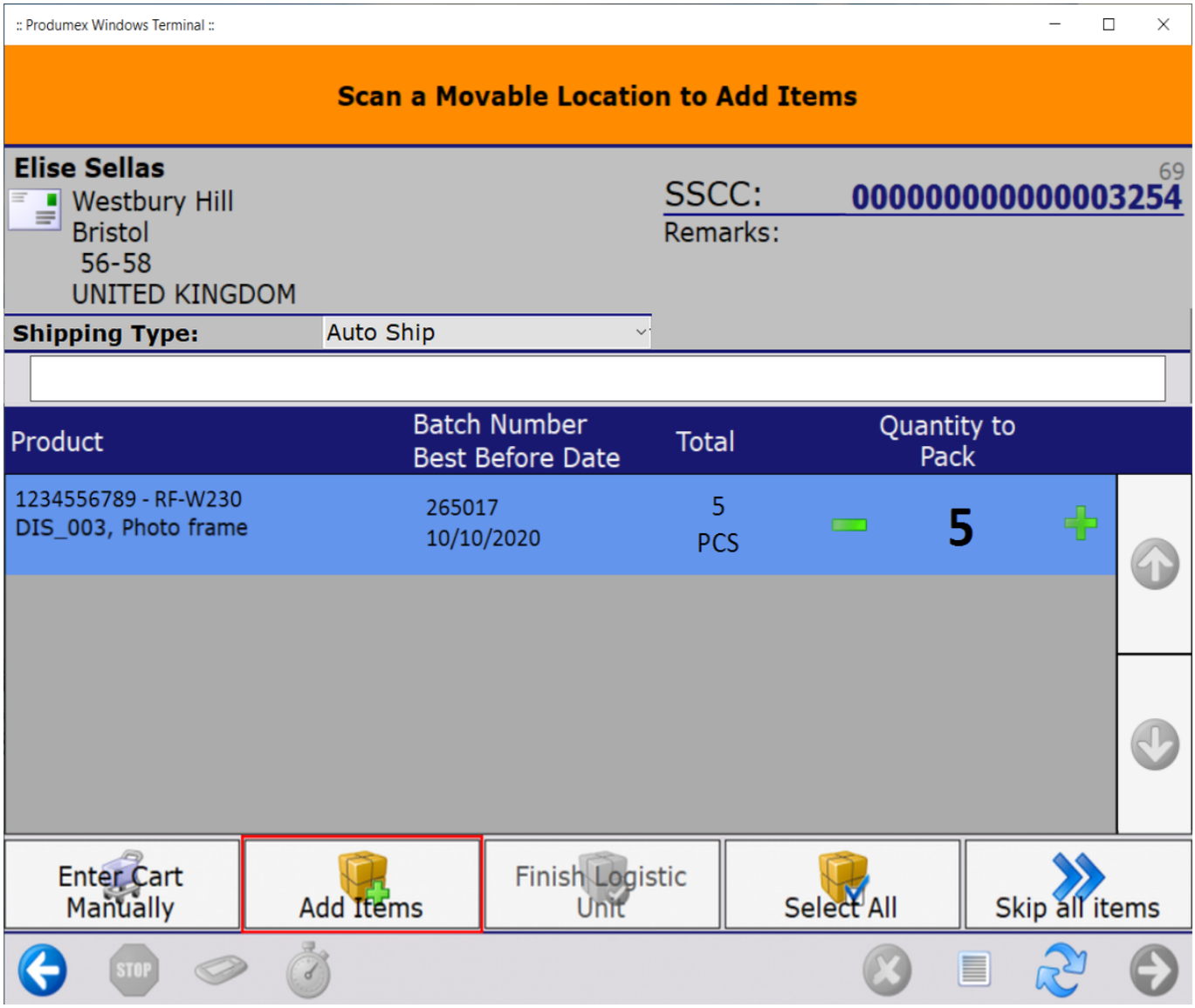
When at least one item is packed onto the logistic unit, the system creates a LUID for it. After the LUID is generated, it is displayed on the screen.

Changing Shipping Type
When 'Allow changing shipping type for Logistic unit' has been enabled on the Packing Controller, a 'Shipping Type' drop-down menu is activated on this window.

Note: At this point, only the sub-variants of Manual or Auto shipping types can be selected (based on the specifics of the Sales Order header). If the Shipping Types are mixed on the lines, the request will be blocked.

The shipping type also stored/saved on the PMX_LUID table in the 'ShippingType' column.

Note: The default ‘Shipping type’ displayed in the field on the packing screen corresponds to the one set in the ‘Sales Order’ line.



Logistic carrier

If you have logistic carriers enabled, the system asks which one you want to use. If the *Ask logistic unit when LUID is finished* setting is enabled on the packing controller, the Packing Flow does not ask for the logistic carrier when a new LUID is started, but only when you indicate that the logistic unit is full.

Scanning an external SSCC

If the *Allow the input of an external SSCC?* and *Force user to rescan SSCC* settings are enabled on the Packing Controller, the system displays the Scan an SSCC screen when the first item is added and allows for scanning an external SSCC instead of generating a new SSCC automatically.

After scanning an SSCC, each time you add a new item to the logistic unit, you must rescan the SSCC to ensure that the item is added to the appropriate logistic unit. If the wrong SSCC is scanned, the system displays an error message and does not allow the item to be added to the logistic unit. You must scan the appropriate SSCC (or select a different item and then scan the appropriate SSCC) to proceed with the flow.

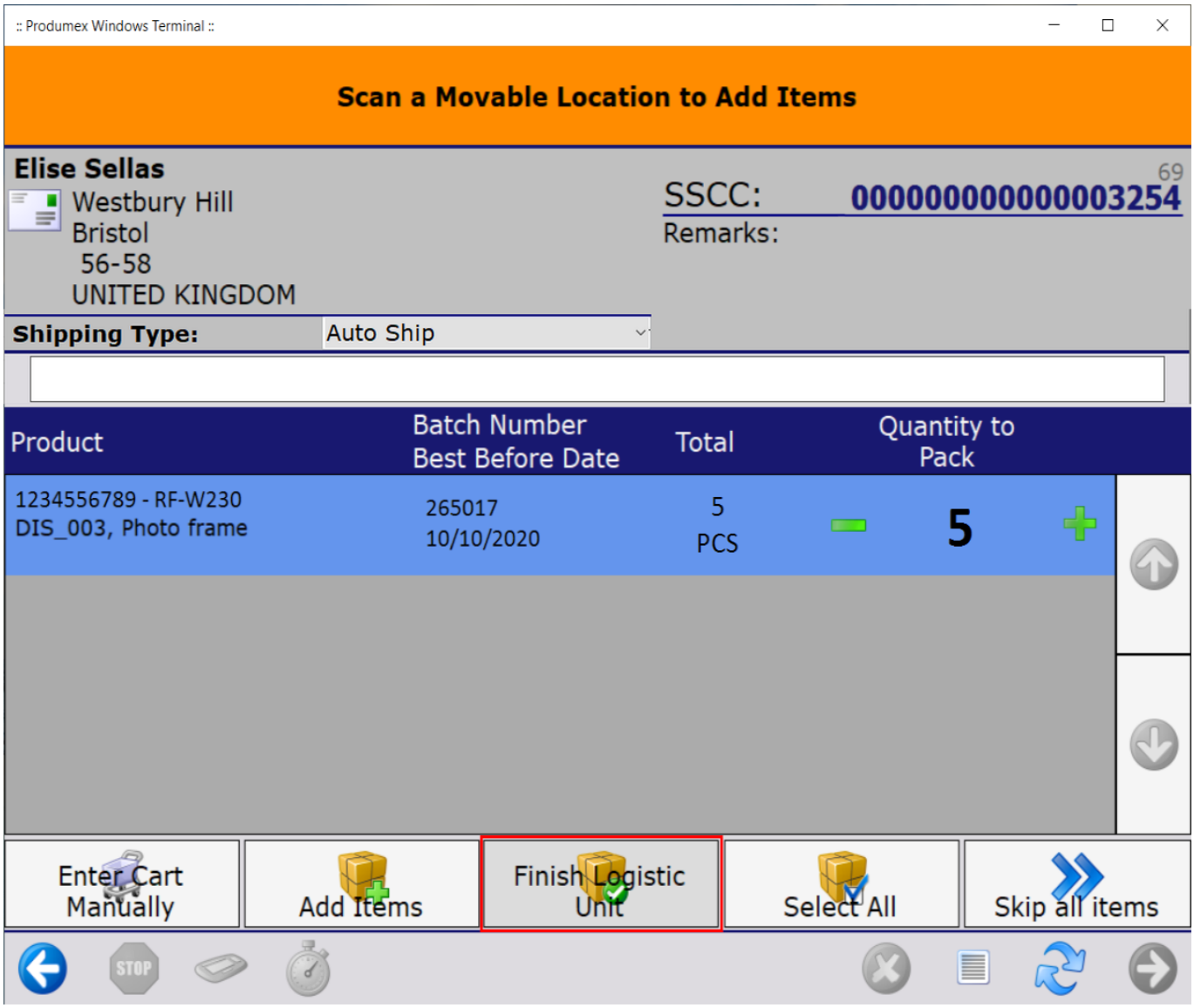
6. Add cart

New items for the same customer can be added to the list of possible items to pack. For adding items from another moveable location, scan the barcode or tap the `Enter cart manually` button and enter the code.

7. Finish Logistic Unit

If there is at least one item packed into the Logistic Unit, the `Finish Logistic Unit` button becomes active.

If changing Shipping Type for Logistic Unit has been enabled, the Shipping Type for each added item can be changed here, too, before finishing the Logistic Unit. Note that only variants of Auto or Manual Shipping Type can be selected based on the Sales Order header of the added item.



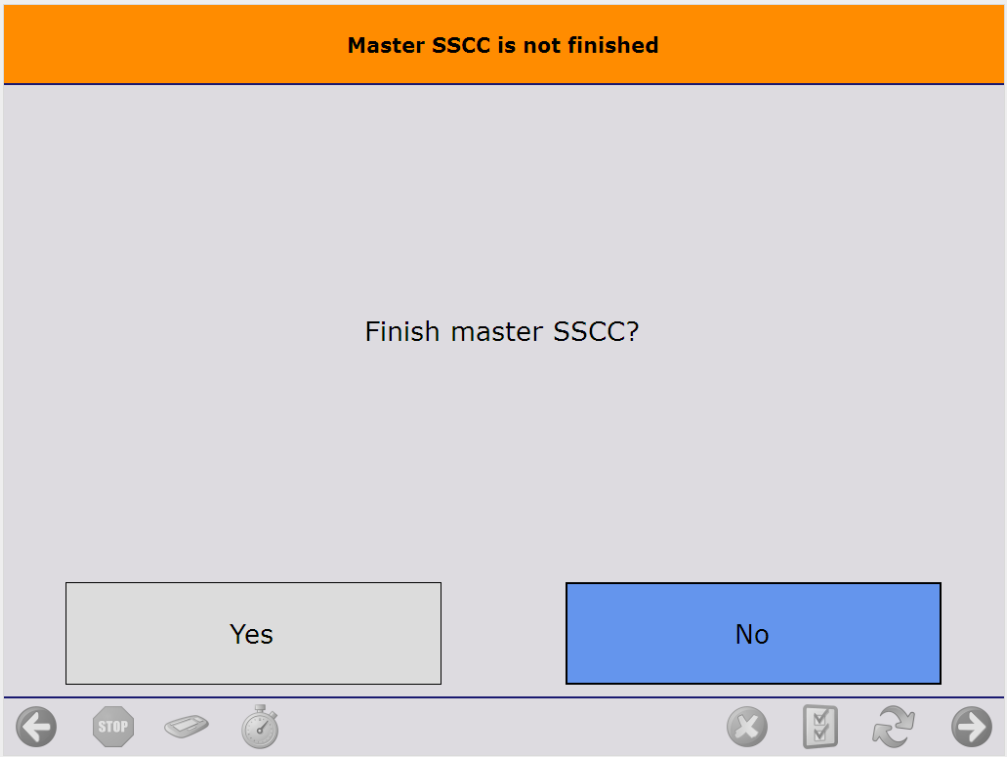
Tap the `Finish Logistic Unit` button and the system prints the SSCC label. *(Packing: finished logistic unit event (500) print event)* After finishing a Logistic Unit, the system displays the shipping dock where to logistic unit has to be moved.

When creating a master SSCC during the picking and tapping the `Finish Logistic Unit` button, the system asks whether you wish to finish the master SSCC or the sub SSCC.

Tap the `Master SSCC is full` button to finish the master SSCC. After finishing the master logistic unit, the system prints the labels for the master and the sub logistic units and displays the dock where the master logistic unit has to be moved. On the next screen declare whether you would like to start a master or a sub SSCC.

Tap the `Sub SSCC is full` button to finish the sub SSCC. The picking will be continued onto a new sub SSCC, but onto the same master SSCC.

If every item is packed and 'Automatic shipping' is enabled for the shipping type of the base document, the *Master SSCC is not finished screen* is opened. Tap the `Yes` button to finish the master SSCC as well.

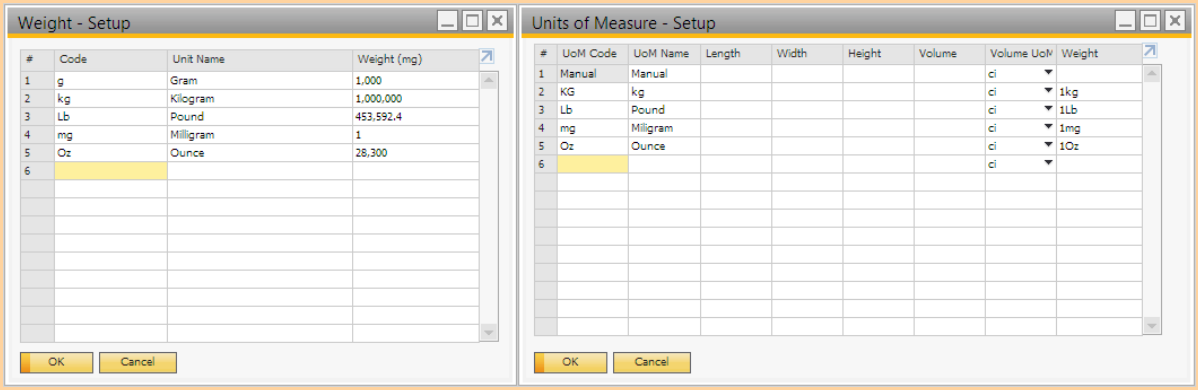


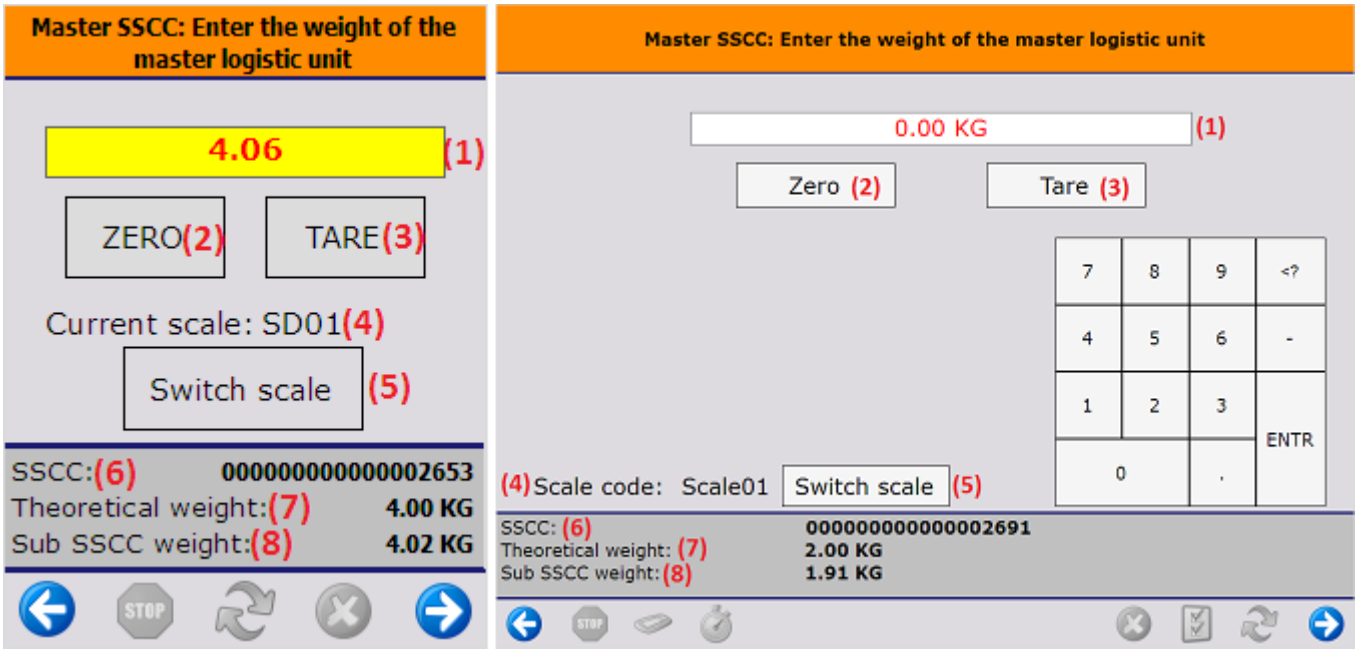
On the next screen the select a logistic unit to pack on or tap the `Start new logistic unit` button to create a new logistic unit.

7.1. Capture weight

If the *'Ask weight?'* or *'Ask weight Sub SSCC?'* option is set to true on the Produmex pick list types user table for the pick list, and there is a scale defined under the shipping dock/packing line, the weight of the logistic unit can be measured on the connected scale after the logistic unit is finished.

> Make sure that conversions between the units of measurements are set up correctly on the Units of Measure - Setup (OUOM) and Weight - Setup (OWGT) SBO standard tables.



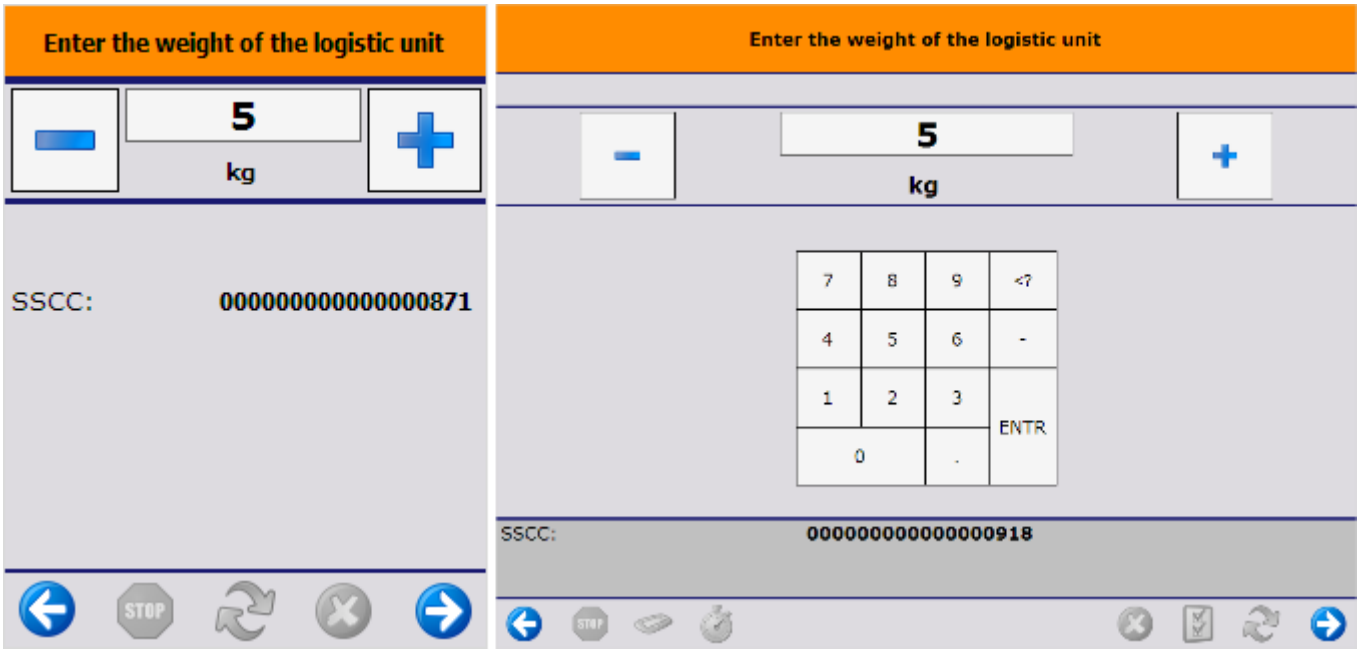


1. The measured weight. The UoM is the UoM defined for the scale. The number of decimals displayed depends on the scale accuracy.
   This field is automatically filled with the weight measured on the connected scale. It is possible to manually overwrite the measured weight.
   If the weight is manually added or the connection to the scale is lost, the value starts flickering in red.
2. If the scale has a defined zero command, the *'Zero'* button is displayed.
3. If the scale has a defined tare command, the *'Tare'* button is displayed.

4. The code of the connected scale.
5. If there are more than one scales defined under the dock/packing line, an additional `Switch scale` button is displayed on the screen. Tap this button to change the scale.
   On the next screen select the scale from the list. Every scale defined under the dock/packing line is listed. After switching the scale, the screen will use the chosen scale. After proceeding with the flow, and a new weight needs to be captured, the standard logic to choose a scale is used. This means that switching scale only switches the scale for the current weighing.
6. SSCC number of the logistic unit.
7. *Theoretical weight*: The *theoretical weight* is the sum of the weight of the items on the logistic unit. The item weight can be defined on the Sales tab of the Item Master Data.
8. In the case of master SSCC's, an additional *Sub SSCC's weight* value is shown. The value is calculated as the sum of the measured weight of the Sub SSCC's.

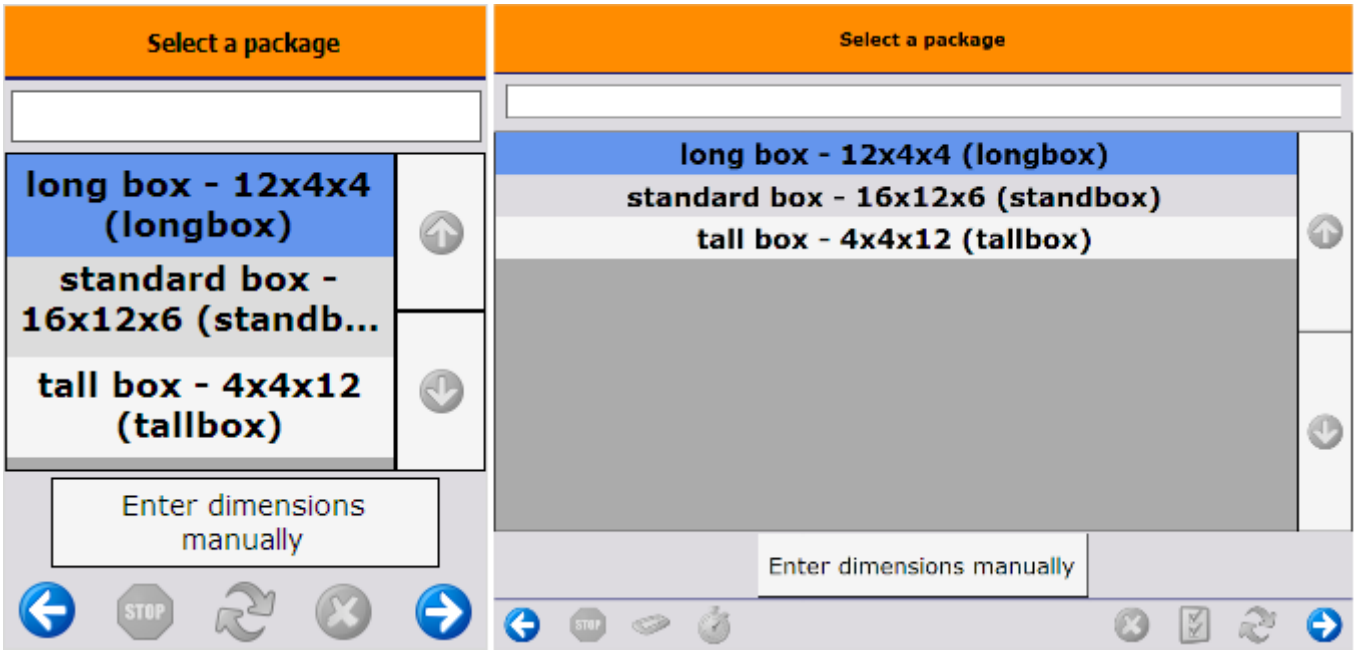
7.2. Enter dimensions

If the *Ask weight?/ Ask weight Sub SSCC?* option is enabled for the pick list type, and there is no scale defined under the shipping dock/packing line, the user has to enter the weight of the (sub) logistic unit after it is finished. The data will be stored on the PMX_LUID table. The unit of measure is the *Default Weight UoM* set on the Display tab of General Settings.



Based on the pick list type settings, the user might have to enter the dimension(s) of the (sub) logistic unit after it is finished.

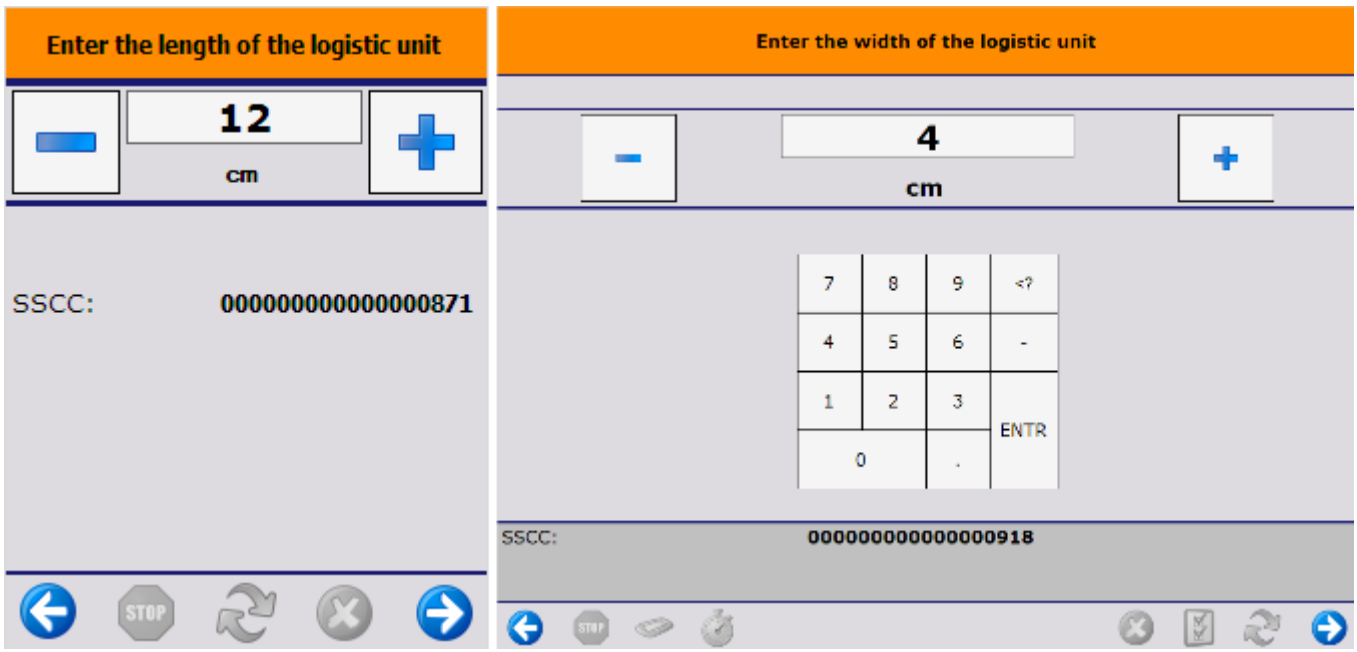
When there are package dimensions defined on the Package Dimensions table, the user can select a predefined dimension instead of entering the length, the width and the height manually. The 'Select a package' screen opens. On this screen every package dimension that is not cancelled is listed. Select a dimension from the list or tap the `Enter dimensions manually` button.



When the `Enter dimensions manually` button is tapped or there are no package dimensions defined, the user has to enter the dimensions manually.

- If the *Ask length?/ Ask length Sub SSCC?* option is enabled for the pick list type, the user has to enter the length of the (sub) logistic unit after the it is finished.
- If the *Ask width?/ Ask width Sub SSCC?* option is enabled for the pick list type, the user has to enter the width of the (sub) logistic unit after the it is finished.
- If the *Ask height?/ Ask height Sub SSCC?* option is enabled for the pick list type, the user has to enter the height of the (sub) logistic unit after the it is finished.

The data will be stored on the PMX_LUID table. The unit of measure is the Default Length UoM set on the Display tab of General Settings.



8. Skip items

It is possible that there are goods that cannot be packed. Produmex WMS offers two possibilities to skip these goods:

- Operators can skip remaining stock on the *Main Packing* screen for every item type
- Operators can skip serial numbers on the *Scan a Serial Number* screen for items managed by serial numbers

8.1. Skip items on the Main Screen

Continue the packing until only products that cannot be packed are listed on the screen.
On the main Packing screen tap the `Skip all items` button to skip every remaining item.

On the next screen confirm that you would like to skip the remaining items.



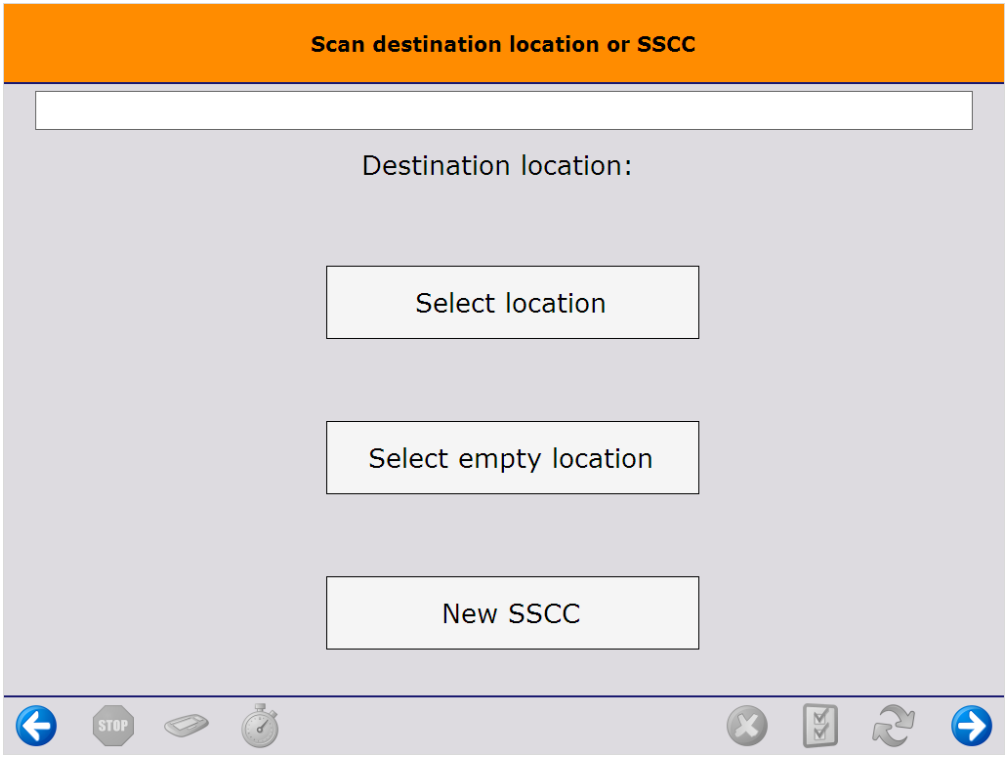
The system proceeds to the *Select a reason* screen.
Select a reason from the list. Every reason that can be used for picking is listed.

On the next screen define where the skipped items should be moved.

- To move the items onto an SSCC, scan the SSCC. If the scanned SSCC is not in stock, identify the destination location as described below.
- To create a new SSCC, tap the `New SSCC button` then identify the destination location as described below. If configured, the *700 - WHS: created LU* print event is triggered and the logistic label is printed.
- Scan the destination location or select it from a list.
  - Tap the `Select location` button to list every active location from the warehouse.
  - Tap the `Select empty location` button to list every empty active location from the

warehouse.

Please note: If no SSCC is created or selected, the items will be moved without a linked logistic unit.



After the destination location is defined, the system removes the locking from the skipped products and updates the pick list.

- If the total quantity on the pick list line is skipped, the system adds the selected reason to the pick list line and closes it.
- If the pick list line is partially skipped, the 'Open' and 'Picked' quantity of the pick list line is updated with the packed quantity. A closed line will be added with the quantity and the details of the skipped product and the selected reason.

After the lockings are removed, the skipped products are moved onto the selected logistic unit or destination location. Then the system returns to the *Select moveable location* screen where the user can continue the packing.

8.2. Skip serial numbers

It is possible to skip items that cannot be packed while scanning the serial numbers. Please note that operators cannot skip serial numbers if they use the scan a serial number range feature.

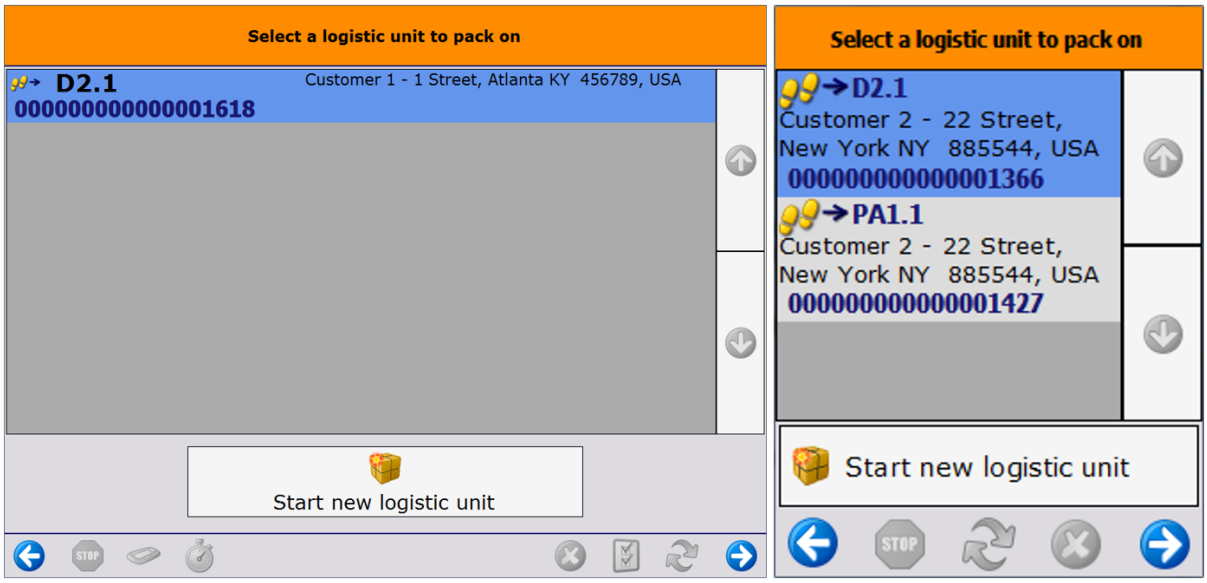
Start the scanning on the *Scan a Serial Number* screen.

- To skip a single serial number, tap the `Skip`(1) button. The number of items to pack(4) is lowered by one. The serial number scanning can be continued.
- To skip all remaining serial numbers, tap the `Skip all`(2) button. The serial number scanning is finished and only items with serial numbers scanned are packed.

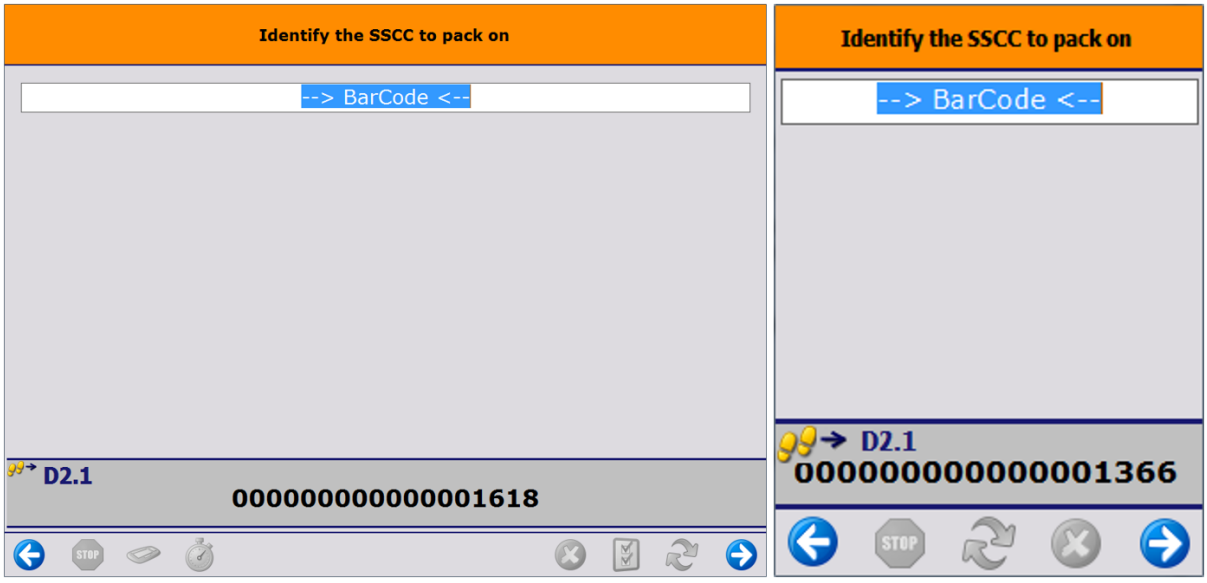
Use the *8.1. Skip items on Main Screen* function to move the damaged goods from the Packing station.

9. Restarting the flow

The flow can be continued after it has been stopped. Restart the flow and select the packing location. If there are a moveable location, scan the moveable location as well. Then the system will offer the option to choose from the existing logistic units or to start a new one.



After selecting the logistic unit, scan the SSCC barcode on the logistic unit.



10. Continue the packing onto an already packed logistic unit

When there are already packed logistic unit(s) for the selected customer or shipping address, the system will offer the option to choose from the existing logistic unit(s) or to start a new one. After

selecting a logistic unit, scan the SSCC barcode on it.

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