

# Organizational Structure

## 1. Create Company Structure

### Overview

In Produmex WMS you can create your company structure by defining Organizational Structure Elements (OSEs). You can define them manually and you can also import zones and bin locations with the [Import Tool](#).

The following elements can be created in the structure:



Element	Description
<a href="#">Company</a>	A company can be created only once per company database
<a href="#">Warehouse</a>	The warehouse marks the highest level below a company. It refers to the place where goods are received, stored and from which they are shipped and it can also be the location where goods are transformed (manufactured or packaged). A warehouse in Produmex must always be linked to a warehouse in SAP Business One.
<a href="#">Zone</a>	The zone is a specific area in the warehouse where certain functions are grouped (e.g. goods receipt, shipping, packaging, etc.)
<a href="#">Production Line</a>	The production line is a line where goods are produced and packaged (as a part of a warehouse).
<a href="#">Packing Line</a>	The packing line is a line where goods that are picked on a movable location can be packed onto a logistic carrier to be shipped as a logistic unit.
<a href="#">Dock</a>	The doc is a location where goods are received and/or shipped (as a part of a warehouse).
<a href="#">Warehouse Automation Location</a>	The Warehouse Automation Location is an automated warehouse (mini load) that manages input and output of items automatically. Produmex does not manage the individual locations (boxes) in the automated warehouse, but keeps track of the inventory on a global level.
<a href="#">Bin</a>	The bin is an individual storage location managed by Produmex.
<a href="#">Silo Tank</a>	The silo tank is a fixed bulk storage location.
<a href="#">Movable Location</a>	The movable location is a movable storage location (e.g. a picking cart) on which goods are temporarily stored after picking and before they are packed on a logistics carrier or used in production (e.g. a forklift).
<a href="#">Thin Client</a>	The Thin Client (or Mobile Client / Fat Client) is a fixed or mobile operator station (e.g. a touch screen, a handheld terminal) by which the operator interacts with Produmex.
<a href="#">Printer</a>	It marks a printer at a specific location or connected to a specific thin client.
<a href="#">Scale</a>	One scale can only belong to a single weighing room / dock / packing station.
<a href="#">Weighing room</a>	

### 1. Create your company

Create your company in the Organizational Structure and define the general company settings.

1. Go to Produmex menu > Organizational Structure.
2. Right-click on your company, select New OSE and select *Company*.
3. Fill in the Name and Code fields.
4. Set a default language for your Mobile Client in the Language drop-down menu.
5. Provide your MS SQL / HANA credentials in the DB User Name and Password fields.
6. Fill in the PMX License Server field.
7. Click OK.

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure  
WMS\_Demo (COMP)

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameter | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Language: English (3)

Company Logo URL

DB User Name: sa  
DB Password: .....  
PMX License Server: PDMX\_License\_Server

Logistic Carriers

☒ Store Logistic Carriers on 1 Storage Location by Warehouse ☐ Move All Logistic Carriers on Reception

Quality Status for Logistic Carriers: Released (RELEASED)

☐ Select Driver When Loading ☐ Goods Receipt Requires Suppl. Ref  
☐ Select License Plate When Loading ☐ Goods Receipt Automatically Prints Item Labels  
☐ Select Trailer Number When Loading

☐ Use Inventory Returnable Items on Documents ☐ Disable Item Selection in Flows  
☐ Set Vat Group Returnable Items on Documents  
☐ Check to Add Returnable Items

☐ Picklist Proposal Allowed to Exceed Order  
☐ Do Not Lock Stock on Picking (Picklists can be created even if no stock is available.)  
☐ Allow Overpicking ☐ Allow Overpicking (Customer Collect)

☐ Count Colli After Picking

☒ Embed .NET forms in SBO forms ☐ Usability Improvement Program

Ok Cancel Export Close

## 2. Define SAP warehouse settings

Define your SAP warehouse settings. Produmex WMS adds the following user defined fields (UDFs) to the SAP warehouse settings:

- Is managed by Produmex?
- Is transit WHS?

There are three possible combinations of the UDFs:

Managed by PMX	Transit WHS	WMS Terminology	Setup needed in the Organizational Structure	Example	Can be used on scanner
TRUE	FALSE	WMS warehouse	YES - full setup	Main stock warehouse	YES - full usage
FALSE	TRUE	Transit warehouse	YES - only warehouse & dock required	truck, sales employee stock, etc.	YES - Ad-hoc moves, Receive from warehouse, Picking for Transfer Requests
FALSE	FALSE	Standard SAP warehouse	NO	Standard SAP Production warehouse, other SAP warehouse	NO
TRUE	TRUE	N/A	/N/A	<b>Not possible</b>	N/A

### 3. Create PMX WMS warehouses

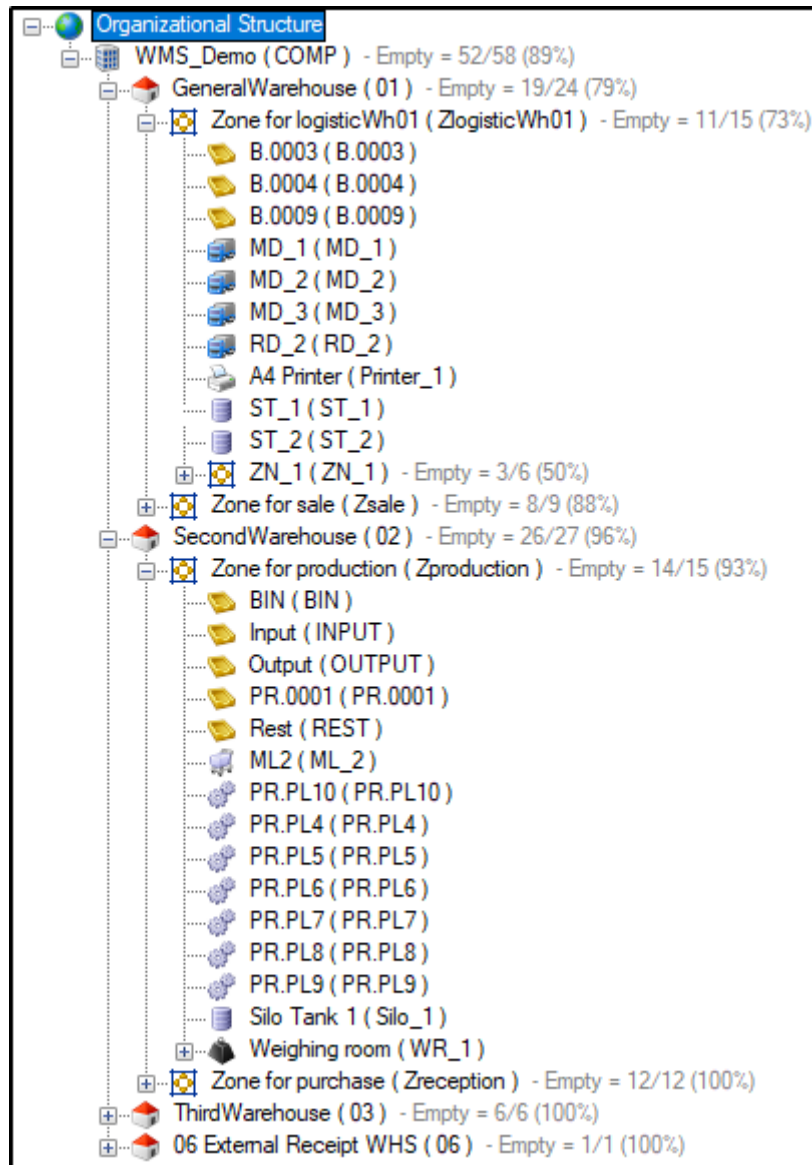
Create your PMX WMS warehouses in the Organizational Structure and define the warehouse settings.

1. Go to Produmex menu > Organizational Structure.
2. Right-click on your company, select New OSE and select Company.
3. Fill in the Name and Code fields. Use the same code as defined in SAP Business One.
4. Link the warehouse to the SAP Business One warehouse in the Warehouse drop-down list.
5. Click OK.

## 4. Create additional elements

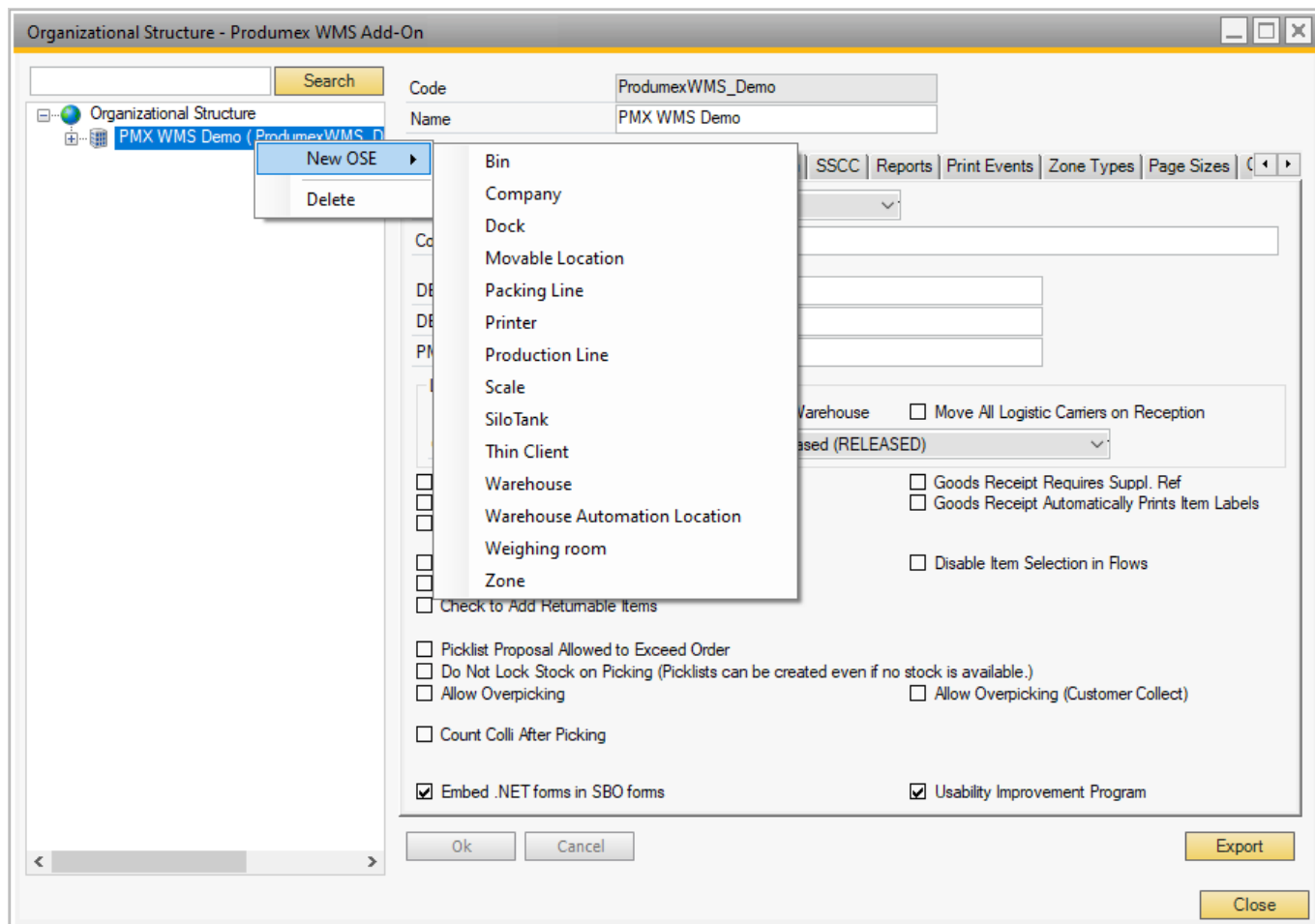
Define the structure of your company by creating the necessary Organizational Structure Elements, for example create the zones, docks, bin locations of your warehouses.

### Example of Organizational Structure



1. Go to Produmex menu > Organizational Structure.
2. Right-click on your company, select New OSE and select the necessary Organizational Structure Element.

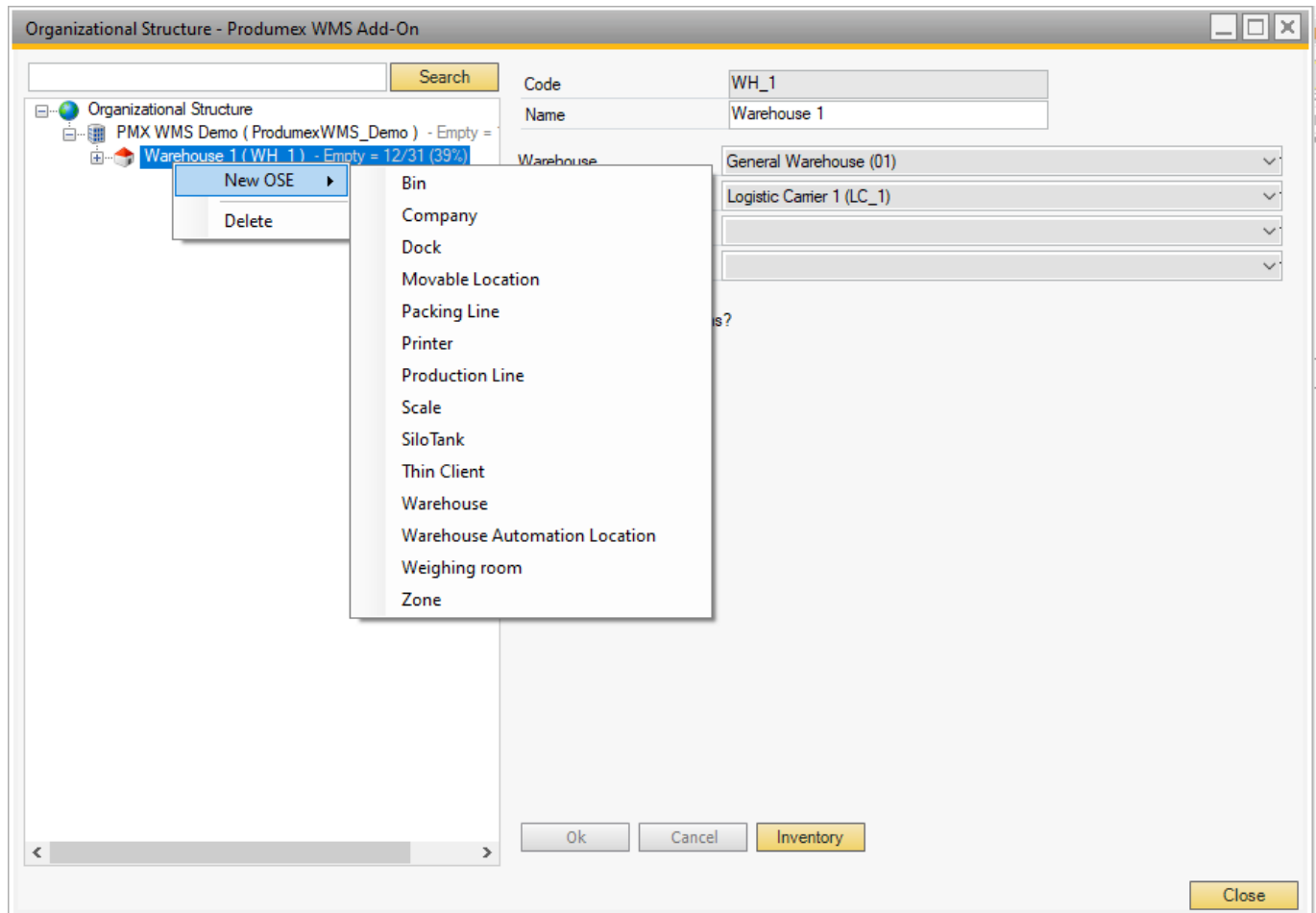




3. Provide a code and a name for the element and define its settings.

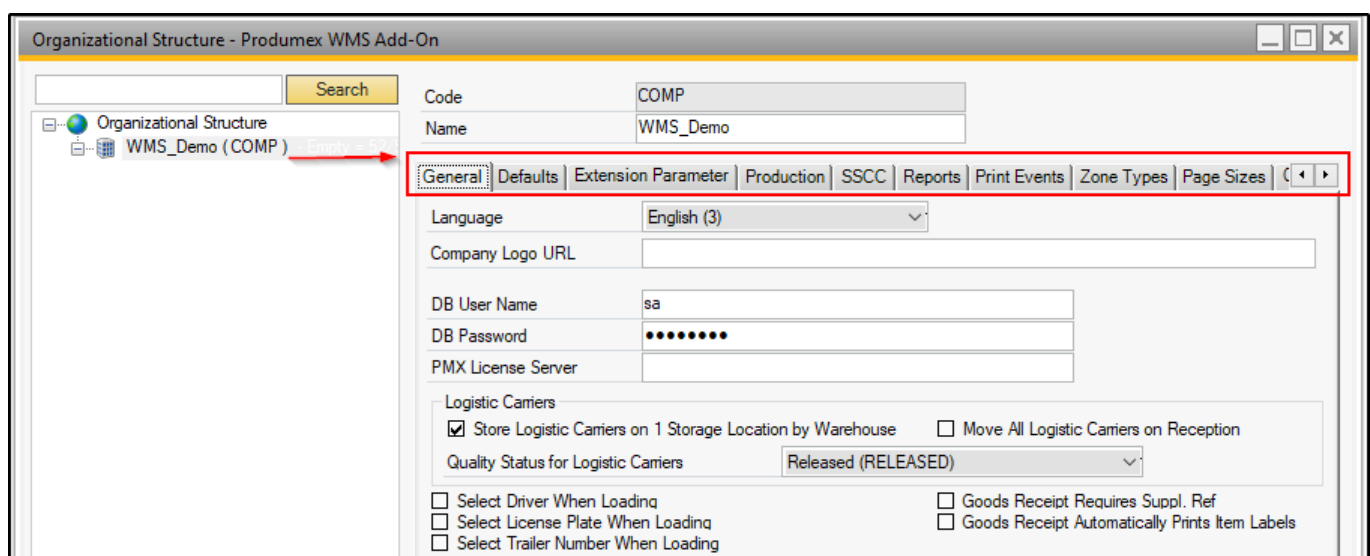
**Tip:** You can also import zones and bin locations with the Import Tool. For more information click [here](#).

4. To create a sub-element, right-click on an element in the Organizational Structure, select New OSE and select the necessary sub-element.



## 5. Define Organizational Structure settings

1. Beside the general settings, define additional settings on a company level. For information click [here](#).



2. Define the settings of your Organizational Structure Elements. For more information on the settings click [here](#).

## 2. Organizational Structure Settings on Company Level

When you change the data on the tabs of the Organizational Structure, the OK button is enabled. The changes are committed to the database only if you click the button.

### 2.1. General Settings tab

On the company level general settings can be specified that apply to the entire Produmex WMS add-On.



#### **Language**

This includes the standard language (the language that is used by default on the thin clients, unless specified otherwise at the individual user level (cfr. Administration → Users)).

#### **Company Logo URL**

A reference to the company logo can be added to the field. The path points to a shared folder which contains the company logo used on the login page of the Mobile Client.

#### **DB credentials**

The standard connection to the SAP Business One database (username / password). It needs to be set for reporting purposes.

#### **Logistic carriers**

It is also possible to define whether logistic carriers (pallets, containers, ...) are stored at one location per warehouse (where they are stored after emptying) and what the standard quality status for logistic carriers is.

- **Store logistic carriers on 1 storage location by warehouse**

When this option is enabled, logistic carriers are stored at one location per warehouse. Set the default storage location for logistic carriers on the Warehouse level.

This setting should be enabled in order to use logistic carriers properly.

- **Move all logistic carriers on reception**

When this option is enabled, logistic carriers are automatically moved to the default storage location of the logistic carriers after the reception.

This setting is only active if the 'Store logistic carriers on 1 storage location by warehouse' option is enabled.

- **Quality status for logistic carriers**

Select the standard quality status for logistic carriers from the dropdown menu.

#### **Transport services**

These global settings can be overruled on the SAP Shipping types.

- **Select Driver When Loading**

If the setting is enabled, the name of the driver must be specified or selected when loading.

- **Select License Plate When Loading**

If the setting is enabled, the license plate of the transport vehicle must be recorded.

- **Select Trailer Number When Loading**

If the setting is enabled, the trailer number of the transport vehicle must be recorded.

### **Goods receipt requires suppl. ref**

If the setting is enabled, the operator is asked to enter a supplier reference number during the goods reception process.

- The setting applies to the [Reception Flow](#) and [Bulk Reception Flow](#).
- During the flows the system displays a separate Supplier Ref. screen after selecting a supplier and it is mandatory to enter the supplier reference number.
- With the end of the flow the reference number is added to the Vendor Ref. No. field of the created Goods receipt PO document.

### **Goods receipt automatically prints item labels**

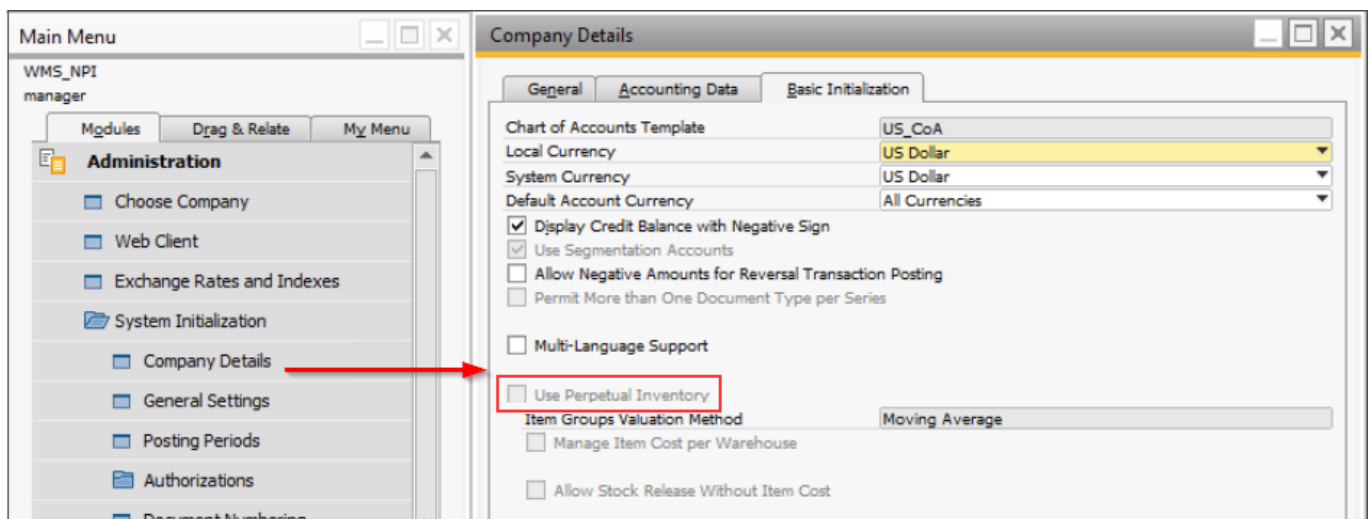
If the setting is enabled, the goods receipt on scanner automatically prints item labels. The number of labels printed, is the received number of items. Otherwise the user is asked if printing is needed.

### **Use inventory returnable items on documents**

If the setting is enabled, the returnable item added to the document will be the inventory item.

Note: Depending on the *Use Perpetual Inventory* setting of the Company Details window of SAP Business One, returnable items work differently in Produmex WMS.

- If the setting is enabled, it is possible to add non-inventory items to the documents based on the *Use inventory returnable items on documents* setting.
- If the setting is disabled, then inventory returnable items are added to the documents regardless of *Use inventory returnable items on documents* setting.



### **Set vat group returnable items on documents**

If the setting is enabled, the VAT group of the returnable item will be set when added to the document. For purchase this will be OITM.VatGroupPu and for sales this will be OITM.VatGourpSa.

### **Check to add returnable items**

If the setting is enabled, the system will try to add returnable items when booking a document. To avoid this check this can be unticked.

### **Disable item selection in flows**

If the setting is enabled, it will not be possible to select an item on scanner/touchscreen. The user will

always have to scan a barcode to identify the item.

**Pick list proposal allowed to exceed order**

If the setting is enabled, it is possible to adjust the quantity of the proposal, so it exceeds the ordered quantity.

**Do not lock stock on picking (picklists can be created even if no stock is available)**

When proposals are made, stock is locked. If the setting is enabled, the system does not lock stock when creating the proposal. This means that there is no more check of available quantity, so proposals can be made, even if there is not enough quantity.

Note:

- Picking can only happen through the Ad Hoc Picking Flow.
- This option does not apply to picklists for production. These picklists will have locking.
- If the Do not lock stock on picking setting is enabled, make sure that you disable the Make Picklist ready before print? setting on the [picklist controller](#).

**Allow overpicking**

If the setting is enabled, you can pick more items than specified in the sales order/picklist. This can be done for convenience purposes, e.g. if an order for 14 items is received and the packaging unit for that item is a box of 15 items. In such a case, picking a whole box may be more convenient than opening the box and taking one item out.

This option is available for Picking, Zone picking, Multi picking and Ad hoc picking tasks Route and Pick List. *Overpicking is not allowed when picking an alternate stock.*

**Allow overpicking (Customer collect)**

If this setting is enabled, the operator will be able to pick more items than specified in the sales order/pick list in the *Ad hoc picking – Customer collect* flow.

**Count colli after picking**

As a further check to ensure the correctness of deliveries, it can be specified that the operator has to count and enter the number of colli that were picked and put onto a logistic unit (SSCC), which the operator wishes to finish. The system will then verify whether this number is the same as the number of colli it has recorded during the picking process onto this logistic unit (SSCC). The count is done in the inventory UoM.

When this is ticked, it can be configured how many times the user can enter an incorrect count.

When this maximum is reached, the picked SSCC is considered unpicked, and a new picklist is created for these items, forcing the user to pick again.

**Embed .NET forms in SBO forms**

If the setting is enabled, all forms run within SAP.

But in some cases it is useful if some screens are not embedded in SAP. In that case it is possible when you have 2 monitors to move certain screens outside of SAP on another monitor.

This can be done by unchecking this checkbox.

Some screens will be shown in the Windows taskbar, and will be outside of SAP.

Supported screens:

- Organizational structure
- Route planning
- Production manager
- Cycle count – Select location

- Cycle count – Process

### ***Usability Improvement Program***

The Usability Improvement Program (UIP) aims to give all Boyum IT customers the ability to contribute to the design and development of Boyum IT products.

By default, the setting is enabled and the add-on automatically sends information to Boyum IT about how the product is used. The information is used to improve the related features.

The gathered data sent to Boyum IT can be:

- feedback: generic information (e.g. SAP version, resolution) and add-on specific information (e.g. number of configurations)
- error

**UIP does not send any business data, confidential information or user / customer information.** For more information about UIP click [here](#).

If the setting is enabled, an additional Usability Improvement Program tab is displayed in the Organizational Structure window with the following settings:

- **Scheduled time to send data:** the exact time of the day when information is sent
- **Send errors only:** If the setting is enabled, only errors are sent to Boyum IT.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameter | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Language: English (3)  
Company Logo URL:   
DB User Name: sa  
DB Password:   
PMX License Server:   
Logistic Carriers:   
☒ Store Logistic Carriers on 1 Storage Location by Warehouse ☐ Move All Logistic Carriers on Reception  
Quality Status for Logistic Carriers: Released (RELEASED)  
☐ Select Driver When Loading ☐ Goods Receipt Requires Suppl. Ref  
☐ Select License Plate When Loading ☐ Goods Receipt Automatically Prints Item Labels  
☐ Select Trailer Number When Loading  
☐ Use Inventory Returnable Items on Documents ☐ Disable Item Selection in Flows  
☐ Set Vat Group Returnable Items on Documents  
☐ Check to Add Returnable Items  
☐ Picklist Proposal Allowed to Exceed Order  
☐ Do Not Lock Stock on Picking (Picklists can be created even if no stock is available.)  
☐ Allow Overpicking ☐ Allow Overpicking (Customer Collect)  
☐ Count Colli After Picking  
☒ Embed .NET forms in SBO forms ☒ Usability Improvement Program

Ok Cancel Export Close

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Reasons | 3PL Invoicing | History Config | Workflows | Config | Archiving | Beas | Usability Improvement Progra

Scheduled time to send data: 10:23:25 AM  
Send errors only: ☐

### Auto-Select Company

If the setting is enabled, the Company element is automatically selected when the Organizational Structure is opened.

### Auto-Extend Company

If the setting is enabled, the Company subtree is automatically expanded to the highest level, which is usually the warehouse level, when the Organizational Structure is opened.

## 2.2. Defaults tab

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP

Name: WMS\_Demo

General | Defaults | Extension Parameter | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Goods Receipt Label: Goods Receipt Label (2)

Shipping Label: Shipping Label (1)

Item Label: Item Label (3)

Additional Expenses Generator: AdditionalExpensesGenerator - Generates additional expenses (DE/)

Default Quality Status Reception: Released (RELEASED)

Released Quality Status Reception: Released (RELEASED)

Quality Status Sales Return: Released (RELEASED)

Quality Status Cycle Counting: Released (RELEASED)

Quality Status Returnable Items: Released (RELEASED)

Ok Cancel Export Close

## Labels

In the default settings you can specify the standard labels for goods receipt, shipping and the standard item label.

## Additional expenses generator

The setting is used to copy additional expenses, for example freight costs from a sales order/line to a sales delivery.

Generating additional expenses are supported in the following cases:

1. Target document: Sales Delivery  
Base document: Sales Order or Sales Invoice
2. Target document: Sales Invoice  
Base document: Sales Order or Sales Delivery
3. Target document: Purchase Delivery  
Base document: Purchase Order or Purchase Invoice

Note: The way the costs get divided on the base documents depends on the configuration within SAP. Produmex WMS does not handle it.

## Default quality status reception

The default quality status for goods receipt.

This option can be overruled by settings on the [item master data](#).

## Released quality status reception

This setting is related to the setting “default quality status reception”. The setting defines the quality



status of a batch number that is released in inventory. For example an item with a batch number is received in inventory with a quality status of quarantine (default quality status reception), if the item and batch number changed of quality status to released and the item with the same batch number is again received into inventory it will retrieve the quality status defined in the setting “Released quality status reception”.

This option can be overruled by settings on the [item master data](#).

### **Quality status sales return**

The default quality status for sales return.

This option can be overruled by settings on the [item master data](#).

### **Quality status cycle counting**

Defines the default status of items that are added to the inventory (*Inventory Transaction → Goods Receipt*) as a result of Cycle Counting (*when a positive difference has been established between the actual physical stock in the warehouse and the administrative stock that was registered in SAP Business One*). The cycle count default quality status is applied to any stock within or without the SSCC. (Except when the counted bin has a fixed quality status, the surplus stock then gets that quality status)

### **Quality status returnable items**

The default quality status for returnable items.

This is used when inventory returnable items need to be added to the system.

## **2.3. Extension Parameters tab**

On the Extension Parameters tab it is possible to define parameters for certain properties. The properties and the applicable extensions are listed in the Parameter Set, Property and Extension drop-down menus.

The Parameter Set duplication feature allows users to create independent parameter sets based on existing ones. Next to the Parameter Set drop-down menu, there is a “Duplicate” button that triggers the appearance of the modal form/window. This window includes an Original Parameter Set (read-only textBox) and a New Parameter Set (editable textBox). It provides an OK button and a Cancel button. Pressing OK performs the following actions:

- If the New Parameter Set is empty, the OK button is disabled to maintain data integrity.
- If the New Parameter Set is filled, the new parameter set is saved from memory to the database, and the Duplicate Parameter Set window is closed. The newly created parameter set is then loaded. Modifications made to the original parameter set are applicable to the duplicated set. The system supports seamless saving and reloading of modifications for the new parameter set.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_2304

Organizational Structure  
WMS\_2304 (COMP) Empty = 69/70

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

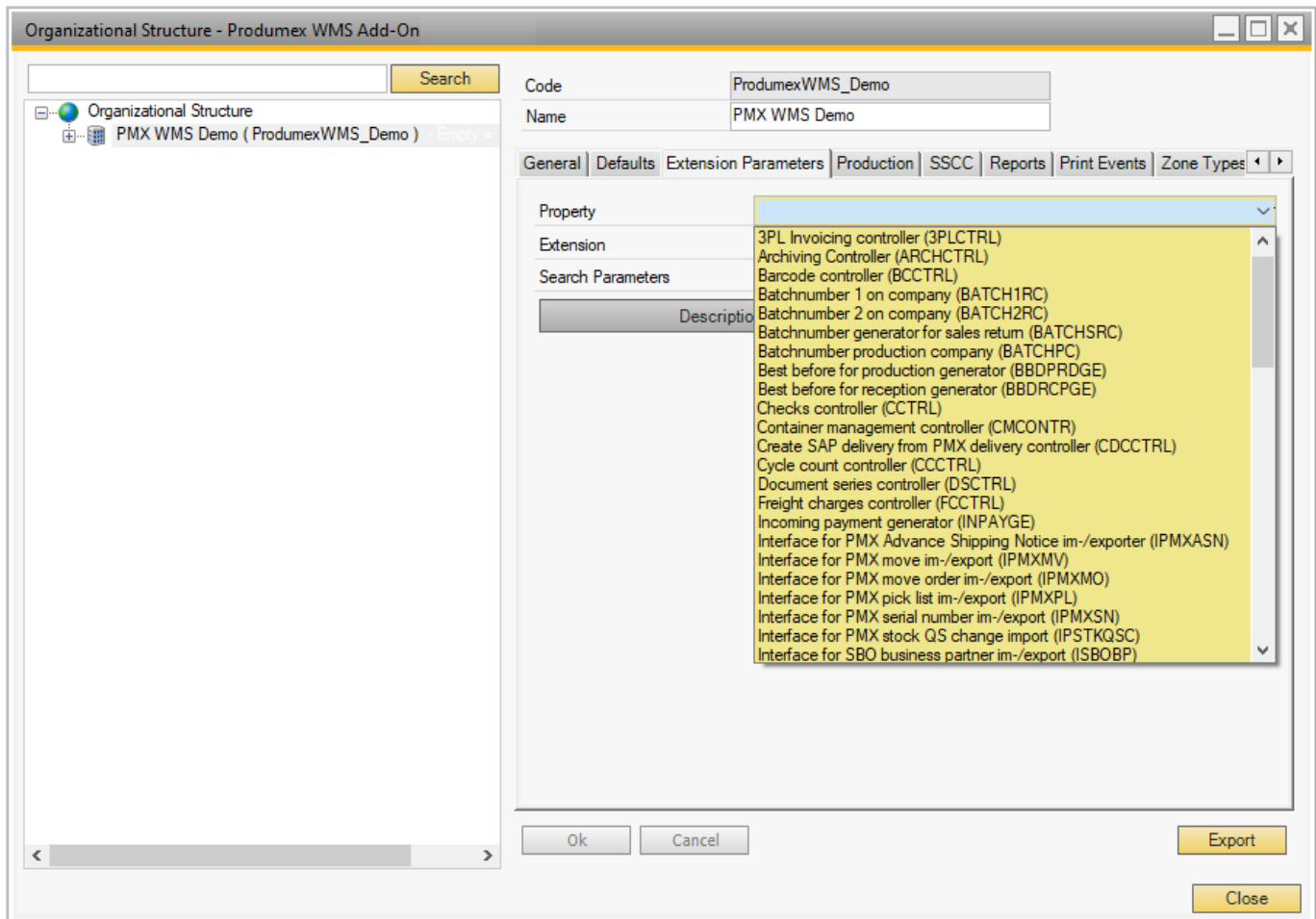
Parameter Set: DEFAULT Duplicate  
Property: Cycle count controller (CCCTRL)  
Extension: Controls the cycle counting (DECCC)  
Search Parameters:

Description	Value
<b>General</b>	
Allow to adjust quantity of current stock items	<input type="checkbox"/>
Allow to select account in case of perpetual inventory?	<input type="checkbox"/>
Allow user to skip count	<input checked="" type="checkbox"/>
Auto handle batch?	<input type="checkbox"/>
Auto move SSCC	No move (NoMove)
Auto select batch/BBD when monolot pallet	<input type="checkbox"/>
Count after number of days	0
Count after number of operations	0
Count location when it becomes empty	<input type="checkbox"/>

Ok Cancel Export Close

Select a property and the applicable extension parameter and the related parameters are displayed.

With the Search Parameters field it is possible to filter the shown parameters. Only parameters that contain the entered characters are displayed.



The following sections describe the available properties and their extensions.

- 2.3.1. 3PL invoicing controller
- 2.3.2. Archiving controller
- 2.3.3. Barcode controller
- 2.3.4. Batch number 1 on company
- 2.3.5. Batch number 2 on company
- 2.3.6. Batch number generator for sales return
- 2.3.7. Batch number production company
- 2.3.8. Best before for production generator
- 2.3.9. Best before for reception generator
- 2.3.10. Checks controller
- 2.3.11. Container management controller
- 2.3.12. Create SAP delivery from PMX delivery controller
- 2.3.13. Cycle count controller
- 2.3.14. Document series controller
- 2.3.15. Freight charges controller
- 2.3.16. Incoming payment generator
- 2.3.17. Interface for PMX Advance Shipping Notice importer and exporter
- 2.3.18. Interface for PMX move im-/export
- 2.3.19. Interface for PMX move order im-/export
- 2.3.20. Interface for PMX pick list im-/export
- 2.3.21. Interface for PMX serial number im-/export
- 2.3.22. Interface for PMX stock QS change import
- 2.3.23. Interface for SBO business partner im-/export
- 2.3.24. Interface for SBO goods issue im-/export

- 2.3.25. Interface for SBO goods receipt im-/export
- 2.3.26. Interface for SBO incoming payment im-/export
- 2.3.27. Interface for sbo item master data im-/export
- 2.3.28. Interface for SBO production issue im-/export
- 2.3.29. Interface for SBO production receipt im-/export
- 2.3.30. Interface for SBO purchase credit note im-/export
- 2.3.31. Interface for SBO purchase delivery im-/export
- 2.3.32. Interface for SBO purchase invoice im-/export
- 2.3.33. Interface for SBO purchase order im-/export
- 2.3.34. Interface for SBO purchase return im-/export
- 2.3.35. Interface for SBO sales credit note im-/export
- 2.3.36. Interface for SBO sales delivery 2 im-/export
- 2.3.37. Interface for SBO sales delivery im-/export
- 2.3.38. Interface for SBO sales invoice im-/export
- 2.3.39. Interface for SBO sales order im-/export
- 2.3.40. Interface for SBO sales return 2 im-/export
- 2.3.41. Interface for SBO sales return im-/export
- 2.3.42. Interface for SBO whs transfer im-/export
- 2.3.43. Inventory controller
- 2.3.44. IPmxStockInterface - Pmx stock im-/export
- 2.3.45. Location controller
- 2.3.46. Minimum customer stock levels controller
- 2.3.47. Move controller
- 2.3.48. On consume for production controller
- 2.3.47. On release of route controller
- 2.3.50. On sales delivery creation
- 2.3.51. Open documents screen controller
- 2.3.52. Open Sales Orders Controller
- 2.3.53. Packing controller
- 2.3.54. Picklist robot
- 2.3.55. Picking for production controller
- 2.3.56. Picklist controller
- 2.3.57. Picklist proposal generator
- 2.3.58. Picklist proposal manager screen controller
- 2.3.59. Production controller
- 2.3.60. Proof of delivery controller
- 2.3.61. Purchase delivery generator
- 2.3.62. Put away for order generator
- 2.3.63. Put away for production generator
- 2.3.64. Put away for receive from warehouse generator
- 2.3.65. QS reception contr. on company
- 2.3.66. Receive from Whs controller
- 2.3.67. Replenishment generator
- 2.3.68. Report mailer
- 2.3.69. Route controller
- 2.3.70. Sales delivery note generator
- 2.3.71. Sales return generator
- 2.3.72. Sample generator
- 2.3.73. Serial number controller
- 2.3.74. Stock allocation controller

[2.3.75. Track and trace controller](#)

[2.3.76. Warehouse automation controller](#)

### 2.3.1. 3PL Invoicing Controller

Extension: 3PL Invoicing Controller

Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: 3PL Invoicing controller (3PLCTRL)  
Extension: 3PL Invoicing Controller (3PLINV)  
Search Parameters:

Description	Value
<b>General</b>	
Add zero-price lines to 3PL invoices? (Y/N)	<input checked="" type="checkbox"/>
Shortest invoiceable storage duration	Day (Day)
Storage price calculation type	Daily final stock (DailyFinalStock)

Ok Cancel Export Close

#### **Add zero-price lines to 3PL invoices? (Y/N)**

Option to whether or not include price with a calculated price or zero to the 3PL invoices.

#### **Shortest invoiceable storage duration**

Defines the minimum duration to be invoiced when a bin location is used by an item.

Possible values:

- 'Day': if a bin location is used by an item on one day, invoice the daily storage price or that bin location one time
- 'Week': if a bin location is used by an item on any day of a week, invoice the daily storage price of that bin location for the whole week
- 'Month': if a bin location is used by an item on any day of a month, invoice the daily storage price of that bin location for every day of the month

#### **Storage price calculation type**

Defines the way to calculate the storage price for bin locations.

Possible values:

- 'Daily used number of locations': every bin location that has contained a supplier item will be considered as having been used for storage, and will be included in the storage price calculation
- 'Daily final stock': only the bin locations that contain an item of the supplier at the end of each day will be considered as having been used for storage, and will be included in the storage price calculation

### 2.3.2. Archiving Controller

#### Extension: Archiving Controller



#### ***Days to keep data line database before moving to archive Y/N***

With the process of archiving you will move data to separate, archive tables and with this setting you let the system know which data can be moved. In this example the configuration is 365 days, which means that the system will archive those transactional data/documents which were created/updated more than 365 days ago.

In case data refers to documents, only closed documents can be archived.

For example, if you have a pick list which was created more than 365 days ago, but is still open, it will not be archived.

#### ***General data lookup is allowed to use archive Y/N***

The archived data is stored in separate, archive tables and they are not available from the SAP B1 client, however, if this setting is enabled, the system will also check the archive tables to find the necessary data.

For example Pick List number 10 is archived. If you look for this pick list in SAP B1 client and this setting is not enabled, they system will not find the pick list. If the setting is enabled, the system will find the pick list and show the details.

#### ***Maximum amount of objects per transaction to archive***

The maximum number of records to be archived per transaction. The default value is 10,000. In case of an overloaded/slow database, it is recommended to enter a value that is less than the default value.

#### ***Sales Delivery Picklist lookup is allowed to use archive Y/N***

This setting refers to archived pick lists from a sales delivery.

Archived pick lists are not available from the SAP B1 client, however, if this setting is enabled, the system will also check the archive tables to find the necessary pick list.

For example Pick List number 10 from a sales delivery is archived. If you look for this pick list in SAP B1 client and this setting is not enabled, the system will not find the pick list. If the setting is enabled, the system will find the pick list and show the details.

#### ***Traceability Report is allowed to use archive Y/N***

If this setting is enabled, the Traceability Report shows archived data as well.

If this setting is not enabled, the Traceability Report shows data which has not been archived yet.

#### ***Use separate database***

If the setting is enabled, the archiving process is executed to a separate database. The system

automatically displays the name of the separate database on the [Archiving tab](#) of the Organizational Structure.

If the setting is disabled, the system uses the company database when the archiving process is executed.

### 2.3.3. Barcode Controller

#### (1) Extension: B10 Automotive Barcode

It captures barcodes according to B10 standards.

If the scanned value does not seem to be a B10 barcode, the scanned value is parsed through the GS1 barcode controller.

To be able to know the difference between a scanned barcode and manual entry, the barcode needs to be in Code39 format. This means that the barcode needs to start with JA0

Note: The location barcodes cannot be in format Code39, otherwise locations that for instance start with Q, P, ... would be considered a value for the B10.

Q: Quantity - Stored in field for AI(37) Count (=int)

P: Part number - This is the item code

S: Serial number - Will be stored as SSCC

V: Supplier code

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

PMX WMS Demo (ProdumexWMS\_D)

Code: ProdumexWMS\_Demo

Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Barcode controller (BCCTRL)

Extension: B10 Automotive Barcode (B10AUBCC)

Search Parameters

Description	Value
-------------	-------

Ok Cancel Export Close

#### (2) Extension: GS1 Barcode

It captures barcodes according to GS1 standards.

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

PMX WMS Demo (ProdumexWMS\_D)

Code: ProdumexWMS\_Demo

Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Barcode controller (BCCTRL)

Extension: GS1 Barcode (GS1BCC)

Search Parameters:

Description	Value
-------------	-------

**General**

Set AI(17) as AI(15) (Y/N) ☐

Ok Cancel Export Close

### ***Set AI(17) as AI(15) (Y/N)***

If enabled, then when scanning a barcode containing an AI17 value, the AI17 value will be added as the best before date (AI 15).

### **2.3.4. Batch Number 1 on Company**

(1) Extension: Generates Batch Number for Reception Based on Format



Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Batchnumber 1 on company (BATCH1RC)  
Extension: Generates batch number for reception based on format (BGRF)  
Search Parameters:

Description	Value
<b>General</b>	
Can the user change the generated batch number? (Y/N)	<input checked="" type="checkbox"/>
Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)	<input type="checkbox"/>
The current sequential number	0
The date format to reset sequential number	yy
The format	[DayOfYear:3][Date:yy]
The update date for sequential number	18

Ok Cancel Export Close

### ***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the reception process.

### ***Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)***

Can the entered batch number be overwritten by the batch number that is present in the barcode on the GS1 label (if any) of the received items.

### ***The current sequential number***

Field that holds the current sequential number.

### ***The date format to reset sequential number***

Defines the date format on what the sequential number will be reset. In the example above the sequential number will be reset when the year changes.

The batch will reset the counter if the year changes, as the reset format is 'yy', representing the last two digits of the year. This means that if the year changes in the current date, the sequence is reset.

It can be a bit hard to see because the format does not include the sequence. For example, [X:4]. If the year changes e.g.: from '18' to '19', the sequence is reset to '0', and the update date field is updated.

### **Example with sequential number:**

1. Format: **BA[X:4]**

2. Current sequential number: **42**
3. Date format to reset sequential number: **MM**
4. Update date for sequential number: **12**

#### **Example with date:**

1. Format: **[DY:3]**
2. Current sequential number: **42**
3. Date format to reset sequential number: **MM**
4. Update date for sequential number: **12**

#### **The format**

Defines the format of the generated batch numbers.

A tag starts with '[' and ends with ']'. Inside a tag the first part is the identifier of the type of value that needs to be entered. Next is a ':' to split the identifier and the value of the identifier.

Possible tags in the format:

#### **[Date:yyMMdd] or [D:yyMMdd]**

Date: This will be replaced by the date format provided in the value of the identifier. All windows allowed formats are allowed. It will perform the method `DateTime.ToString(string value)` of Windows.

#### **[DayOfYear:3] or [DY:3]**

Date: This will be replaced by the day of year. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the day of year is 99, and value is 3, the processed value will be 099.

#### **[X:4]**

Sequential number: This will be replaced by the sequential number. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the sequential number is 99, and value is 4, the processed value will be 0099.

#### **The update date for sequential number**

The last update date in the specified format. This is used to know when the sequential number needs to be reset.

(2) Extension: Generates Prefix-Year-Month-Serial Batch Number for Reception XXXYYYYMMSSSS

Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Batchnumber 1 on company (BATCH1RC)  
Extension: Generates prefix-year-month-serial batch number for reception XXXYYYYMMSSSSS (BGI)  
Search Parameters:

Description	Value
<b>General</b>	
Can the user change the generated batch number? (Y/N)	<input type="checkbox"/>
Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)	<input type="checkbox"/>
The current month	12
The current serial	0
The current year	2018
The length of the serial	4
The prefix	

Ok Cancel Export Close

### ***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the reception process.

### ***Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)***

Can the entered batch number be overwritten by the batch number that is present in the barcode on the GS1 label (if any) of the received items.

### ***The current month***

Field that holds the current month.

### ***The current serial***

Field that holds the current serial number.

### ***The current year***

Field that holds the current year.

### ***The length of the serial***

Defines the length of the serial number

### ***The prefix***

Defines the prefix of the generated batch number.

### ***(3) Extension: Batch Number Generator Reception - Generates Empty Batch Number for Reception***

The user must enter the batch number manually.

Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Batchnumber 1 on company (BATCH1RC)  
Extension: IBatchNumberGeneratorReception - Generates empty batch number for reception (EMBA  
Search Parameters:

Description	Value
-------------	-------

**General**

Must batch number be overwritten by scanned batch number of GS1 label? (Y/N) ☒

Ok Cancel Export Close

***Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)***

Must the entered batch number be overwritten by the batch number that is present in the barcode on the GS1 label (if any) of the received items.

**(4) Extension: Batch Number Generator Reception - Generates Year-Serial Batch Number for Reception YYYYSSSSS**

It generates an automatic batch number based on the specified criteria: i.e. year + serial number of a specific length. It can furthermore be defined whether or not the user will be able to change the generated batch number.

Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Batchnumber 1 on company (BATCH1RC)  
Extension: IBatchNumberGeneratorReception - Generates year-serial batch number for reception YY  
Search Parameters:

Description	Value
<b>General</b>	
Can the user change the generated batch number? (Y/N)	<input type="checkbox"/>
Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)	<input checked="" type="checkbox"/>
The current serial	0
The current year	2018
The length of the serial	4

Ok Cancel Export Close

**Can the user change the generated batch number? (Y/N)**

Option to whether or not the user will be able to change the generated batch number during the reception process.

**Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)**

Can the entered batch number be overwritten by the batch number that is present in the barcode on the GS1 label (if any) of the received items.

**The current serial**

Field that holds the current serial number.

**The current year**

Field that holds the current year.

**The length of the serial**

Defines the length of the serial number.

(5) Extension: Prefix-year-month-day-salesordernum batch number for reception PPPYYYYMMDD-SSSSSS

Generates an automatic batch number based on the specified criteria: prefix + year + month + date + linked sales order. It can furthermore be defined whether or not the user will be able to change the generated batch number.

Organizational Structure - Produmex WMS Add-On

Search

Code: ProdumexWMS\_Demo  
Name: PMX WMS Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Batchnumber 1 on company (BATCH1RC)  
Extension: Prefix-year-month-day-salesordenum batch number for reception PPPYYYYMMDD-SSSS  
Search Parameters:

Description	Value
-------------	-------

**General**

Can the user change the generated batch number? (Y/N) ☒

Default postfix if no sales order link:

Must batch number be overwritten by batch number from scanned GS1 label? (Y/N) ☐

Prefix:

Ok Cancel Export Close

### ***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the reception process.

### ***Default postfix if no sales order link***

Defines the postfix of the generated batch number, if there is no sales order linked to the purchase order.

### ***Must batch number be overwritten by scanned batch number of GS1 label? (Y/N)***

Can the entered batch number be overwritten by the batch number that is present in the barcode on the GS1 label (if any) of the received items.

### ***Prefix***

Defines the prefix of the generated batch number.

## **2.3.5. Batch Number 2 on Company**

See [Batch Number 1 on Company](#).

### 2.3.6. Batch Number Generator for Sales Return

Extension: Generates Batch Number for Sales Return Based on Format



#### ***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the production process.

#### ***The current sequential number***

Field that holds the current serial number.

#### ***The date format to reset sequential number***

Defines the date format on what the sequential number will be reset. In the example above the sequential number will be reset when the month changes.

#### ***The format***

Defines the format of the generated batch numbers.

A tag starts with '[' and ends with ']'. Inside a tag the first part is the identifier of the type of value that needs to be entered. Next is a ':' to split the identifier and the value of the identifier.

Possible tags in the format:

- ***[Date:yyMMdd] or [D:yyMMdd]***

Date: This will be replaced by the date format provided in the value of the identifier. All windows allowed formats are allowed. It will perform the method DateTime.ToString(string value) of Windows.

- ***[DayOfYear:3] or [DY:3]***

Date: This will be replaced by the day of year. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the day of year is 99, and value is 3, the processed value will be 099.

- ***[X:4]***

Sequential number: This will be replaced by the sequential number. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the sequential number is 99, and value is 4, the processed value will be 0099.

#### ***The update date for sequential number***

The last update date in the specified format. This is used to know when the sequential number needs to be reset.

### 2.3.7. Batch Number Production Company

(1) Extension: Generates Batch Number for Production Based on Format

Description	Value
Can the user change the batch number during production? (Y/N)	<input checked="" type="checkbox"/>
Can the user change the generated batch number? (Y/N)	<input checked="" type="checkbox"/>
Save changed batch on production order? (Y/N)	<input type="checkbox"/>
The current sequential number	0
The date format to reset sequential number	yy
The format	[Line:2][DayOfYear:3][Date:yy]
The update date for sequential number	20

### ***Can the user change the batch number during production? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the production process.

### ***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number.

### ***Save changed batch on production order? (Y/N)***

This option defines if the changed batch number needs to be saved on the production order or not.

### ***The current sequential number***

Field that holds the current sequential number.

### ***The date format to reset sequential number***

Defines the date format on what the sequential number will be reset. In the example above the sequential number will be reset when the month changes.

### ***The format***

Defines the format of the generated batch numbers.

A tag starts with '[' and ends with ']'. Inside a tag the first part is the identifier of the type of value that needs to be entered. Next is a ':' to split the identifier and the value of the identifier.

Possible tags in the format:

### ***[Date:yyMMdd] or [D:yyMMdd]***

Date: This will be replaced by the date format provided in the value of the identifier. All windows



allowed formats are allowed. It will perform the method `DateTime.ToString(string value)` of Windows.

### **[DayOfYear:3] or [DY:3]**

Date: This will be replaced by the day of year. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the day of year is 99, and value is 3, the processed value will be 099.

### **[L:2] or [Line:2]**

Production line: This will be replaced by the name of the production line linked to the production order. The value indicates the length of the processed value. The system will take the first part of the production line name, until the required length.

### **[X:4]**

Sequential number: This will be replaced by the sequential number. The value indicates the minimum length the processed value should have. The fill character is '0'. So if the sequential number is 99, and value is 4, the processed value will be 0099.

### **The update date for sequential number**

The last update date in the specified format. This is used to know when the sequential number needs to be reset.

### **(2) Extension: Generates Prefix-Year-Month-Serial Batch Number for Production XXXYYYYMMSSSSS**

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Organizational Structure  
WMS\_Demo (COMP) Empty = 55/55

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality

Property	Value
Batchnumber production company (BATCHPC)	Generates prefix-date-serial batch number for production XXXYYYYSSSSS (BGPPYS)
Search Parameters	

Description Value

**General**

Can the user change the batch number during production? (Y/N) ☒

Can the user change the generated batch number? (Y/N) ☒

Save changed batch on production order? (Y/N) ☐

The current date: 20

The current serial: 0

The date format: yy

The length of the serial: 4

The prefix:

Ok Cancel Export Close

### **Can the user change the batch number during production? (Y/N)**

Option to whether or not the user will be able to change the generated batch number during the production process.

### **Can the user change the generated batch number? (Y/N)**

Option to whether or not the user will be able to change the generated batch number.

### **Save changed batch on production order? (Y/N)**

This option defines if the changed batch number needs to be saved on the production order or not.

### **The current date**

Field that holds the current date, based upon the defined date format below. i.e.: date format = yyyy, the current date will be 2013.

### **The current serial**

Field that holds the current serial number.

### **The date format**

Field that holds the date format, based upon this the current date is stored and calculated.

### **The length of the serial**

Field that holds the length of the serial number.

### **The prefix**

Field that holds the prefix of the batch number.

### **(3) Extension: Batch Number Generator Production - Empty Batch Number**

The user must enter the batch number manually.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Batchnumber production company (BATCHPC)  
Extension: BatchNumberGeneratorProduction - Empty batch number (BGP-EMPT)  
Search Parameters:

Description	Value
<b>General</b>	
Can the user change the batch number during production? (Y/N)	<input type="checkbox"/>
Save changed batch on production order? (Y/N)	<input type="checkbox"/>

Ok Cancel Export Close

### **Can the user change the batch number during production? (Y/N)**

Option to whether or not the user will be able to change the batch number during the production process.

***Save changed batch on production order? (Y/N)***

This option defines if the changed batch number needs to be saved on the production order or not.

***(4) Extension: Batch Number Generator Production - Generates Batch Number***

The format is: yy-[DayOfYear]-[ProductionOrderNumber]

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Batchnumber production company (BATCHPC)  
Extension: BatchNumberGeneratorProduction - Generates batch number (DEBAGEN)  
Search Parameters:

Description	Value
Can the user change the batch number during production? (Y/N)	<input checked="" type="checkbox"/>
Can the user change the generated batch number? (Y/N)	<input checked="" type="checkbox"/>
Save changed batch on production order? (Y/N)	<input type="checkbox"/>

Ok Cancel Export Close

***Can the user change the batch number during production? (Y/N)***

Option to whether or not the user will be able to change the generated batch number during the production process.

***Can the user change the generated batch number? (Y/N)***

Option to whether or not the user will be able to change the generated batch number.

***Save changed batch on production order? (Y/N)***

This option defines if the changed batch number needs to be saved on the production order or not.

**2.3.8. Best Before for Production Generator**

Extension: Generates Best Before Date for Production

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality

Property: Best before for production generator (BBDPRDGE)  
Extension: Generates best before date for production (DEBBDGEN)  
Search Parameters:

Description	Value
Can the user change the bbd number during production? (Y/N)	<input type="checkbox"/>
Can user change the date (Y,N)	<input type="checkbox"/>
Generate on every receipt	<input type="checkbox"/>
Save changed bbd on production order? (Y/N)	<input type="checkbox"/>

Ok Cancel Export Close

### ***Can the user change the bbd number during production? (Y/N)***

Option to whether or not the user will be able to change the generated best before date during the production process.

### ***Can user change the date (Y,N)***

Option to whether or not the user will be able to change the generated best before date.

### ***Generate on every receipt***

When enabled, the BBD will be calculated each time a production receipt is being added.

### ***Save changed bbd on production order? (Y/N)***

This option defines if the changed best before date needs to be saved on the production order or not.

## **2.3.9. Best Before for Reception Generator**

### Extension: Default BBD Generator for Reception

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

WMS\_Demo (COMP) Empty = 55/55

Code: COMP

Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Best before for reception generator (BBDRCPGE)

Extension: Default BBD generator for reception (BBDGENRP)

Search Parameters

Description	Value
-------------	-------

**General**

Allow to calculate based on manufacturing date ☐

Can the user change the generated best before date? (Y/N) ☒

Ok Cancel Export Close

### ***Allow to calculate based on manufacturing date***

The settings allows for calculating the best before date of the item based on its manufacturing date during the [Reception Flow](#). If the setting is enabled, the system displays the Enter Manufacturing Date button on the Enter Best Before Date screen.

When the manufacturing date is provided on the Enter Manufacturing Date screen, the system calculates the best before date based on the manufacturing date and the expiry date defined on the Item Master Data.

**Note:** This setting is only supported in the Reception flow. The Bulk Reception flow does not support it.



### ***Can the user change the generated best before date? (Y/N)***

The setting allows for changing the generated best before date of the item on the Enter Best Before Date screen of the [Reception Flow](#). If the setting is disabled, the Enter Best Before Date screen is not displayed. (This setting is supported by both Reception and Bulk Reception flows.)

Produmex Wi... — □ ×

**Enter Best Before Date**

08 / 25 / 2020  
month day year

**ITEM07 - Batch number + best before date + Catch weight + ma...**  
Batch Number 2382020  
Best Before Date 8/25/2020  
Still to Receive: 0 PCS

← STOP ↻ × →

### 5.3.10. Checks Controller

The Checks Controller holds the configuration for the Checks Flow.

Extension: Checks Controller - Controls the Checks

This is the default controller to store the configuration used in the Checks Flow.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP

Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Property: Checks controller (CTRL)

Extension: ChecksController - Controls the checks (CTRL)

Search Parameters:

Description	Value
-------------	-------

**General**

Check SSCC: Show global SSCC information? (Y/N) ☐

Ok Cancel Export Close

### ***Check SSCC: Show global SSCC information? (Y/N)***

If the setting is enabled, the flow to check an SSCC shows a screen with additional information about the SSCC. This screen is shown after the SSCC is scanned.

### **2.3.11. Container Management Controller**

Extension: Container Management Controller - Controls the Containers

With the following extension you can define settings for the [Container Management screen](#).

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Qu |

Property: Container management controller (CMCONTR)  
Extension: Container management controller - Controls the containers (CMCONTR)  
Search Parameters:

Description	Value
<b>General</b>	
Allow to show purchase reserve invoices	<input type="checkbox"/>
Color if values are in range	YellowGreen
Color if values are too high	Red
Color if values are too low	Yellow
CSV purchase custom header	DocNum;LineNum;Quantity
CSV sales custom header	DocNum;LineNum;Quantity
Lead time in days between port and warehouse	0
Lower threshold: price (%)	90
Lower threshold: volume (%)	80
Lower threshold: weight (%)	80
Upper threshold: price (%)	100
Upper threshold: volume (%)	95
Upper threshold: weight (%)	95

Ok Cancel Export Close

### **Allow to show purchase reserve invoices**

If the setting is enabled, purchase invoices can be selected on the [Container Management screen](#) by using the Add Line button.

### **Color if values are in range**

It defines the color the controls should get if the values are in range. If no maximum value is set, this color is still used. The color name must be a valid Windows color name.

### **Color if values are too high**

It defines the color the controls should get if the values are higher than the *in range* values. The colour name must be a valid Windows color name.

### **Color if values are too low**

It defines the color the controls should get if the values are lower than the *in range* values. The colour name must be a valid Windows color name.

### **CSV purchase custom header**

On the [Container Management screen](#) it is possible to import lines for containers with *Purchase* type from a CSV file with the Import Lines button. The name of the columns in the CSV file should be DocNum, LineNum, Quantity and optionally ObjType.



If you have different column names or column order in the CSV file, you can use the setting with the following options:

- The order of the column names can be changed if the names are not changed.
- The column names can be changed if the order is not changed.

Values:

- By default, the values in the field are the following: DocNum; LineNum; Quantity
- It is mandatory to add the ObjType column if the *Allow to show purchase reserve invoices* setting (see description above) is enabled. Otherwise, adding the column is optional.
- If the field is left empty, the system uses the default column names.

### **CSV sales custom header**

On the [Container Management screen](#) it is possible to import lines for containers with *Sales* type from a CSV file with the Import Lines button. The name of the columns in the CSV file should be DocNum, LineNum, Quantity and optionally ObjType.

If you have different column names or column order in the CSV file, you can use the setting with the following options:

- The order of the column names can be changed if the names are not changed.
- The column names can be changed if the order is not changed.

Values:

- By default, the values in the field are the following: DocNum; LineNum; Quantity
- It is optional to add the ObjType column.
- If the field is left empty, the system uses the default column names.

### **Lead time in days between port and warehouse**

This is used for the calculation of dates on the [Container Management screen](#). When you enter a date into the Estimated Date of Departure field, the system calculates the ETA port and the Estimated Date of Arrival.

#### **Lower threshold: price (%)**

The lower threshold (in percentage) for the *in range* values for the price.

#### **Lower threshold: volume (%)**

The lower threshold (in percentage) for the *in range* values for the volume.

#### **Lower threshold: weight (%)**

The lower threshold (in percentage) for the *in range* values for the weight.

#### **Upper threshold: price (%)**

The upper threshold (in percentage) for the *in range* values for the price.

#### **Upper threshold: volume (%)**

The upper threshold (in percentage) for the *in range* values for the volume.

#### **Upper threshold: weight (%)**

The upper threshold (in percentage) for the *in range* values for the weight.

### 2.3.12. Create SAP Delivery from PMX Delivery Controller

This controller holds the configuration for the tool to create an SAP delivery from a PMX sales shipping.

#### Extension: Create SAP Delivery

This is the default controller.



Note: The Create automatically SAP delivery from PMX deliveries? (Y/N) setting is obsolete. It may be displayed as an available parameter, but it has no effect.

### 2.3.13. Cycle Count Controller

#### Extension: Controls the Cycle Counting

It controls the **Cycle Count Flows** and **cycle count during other operations**. Performing cycle count during other operations means that the system may ask the user to count the items while performing an operation different from cycle count, for example while performing a picking process.



General

#### **Activate Stock Count Audit**

By default the **Activate Stock Count Audit** setting is disabled! To utilize the **Activate Stock Count Audit** setting, ensure the **Show difference during Cycle Count** setting is also enabled.

When enabled, this setting tracks the steps of the counting process, from start to finish.

**It logs when a counting task is created, started, stopped, processed.**

Read more about the [Stock Count Data Audit!](#)

**This setting is compatible with the following count types:**

- Lost and Found
- Registration

**This setting is NOT applied to Direct Cycle Count!**

When the **Activate Stock Count Audit** setting is enabled, a mandatory field labeled **Job**

**Name** is added in the **Select Locations to Count** window. The **Job Name** is a useful field that allows you to assign a shared name to cycle count tasks. This makes it easier to consolidate them in the reports.

By default if the user do not fill the name field, the default value for **Job Name** is generated as: **{username}\_yyyyMMdd\_HHmms\_fff**.



### **Allow to adjust quantity of current stock items?**

If this setting and the *Show current stock items* setting are enabled, the user can select the current stock on the scanner, the available stock quantity is displayed, and the user can adjust the quantity instead of performing a blind count. If the setting is disabled, the displayed value on the scanner is the default value (1).

### **Allow to select account in case of perpetual inventory?**

If the setting is enabled and *Perpetual Inventory* is used, the account numbers must be selected during the cycle count step [Process](#).

### **Allow user to skip count**

If the setting is enabled, whenever the system prompts the user to perform cycle count during other operations, the user is allowed to skip cycle count.

### **Auto handle batch?**

If the setting is enabled, no batch needs to be entered during the cycle count process. Instead, the system tries to fill in the batch. If there is only one batch on the location, the system takes that batch. If there are multiple batches, the system takes the latest batch. If there is no batch on the location, the system takes the batch defined in setting *Default batch on auto handle batch*.

### **Auto move SSCC**

The setting is available for type *Lost and Found*. When an SSCC is counted on a location, it is possible that in the system it is stored on another location. The following options can be set to define what the system needs to do in this case:

- No move: The SSCC is not moved to this new location and remains recorded in the system in the original location.
- Ask user: The system asks if the SSCC needs to be moved.
- Auto move: The system automatically moves the SSCC to this new location.

### **Auto select batch/BBD when monolot pallet**

When cycle counting a mono pallet (a pallet with only one item code and lot number), the system automatically selects the batch and BBD instead of asking the user to select them.

### **Count after number of days**

The number of days after which cycle counting must be performed. A zero means that this location always has to be counted. The setting can be used only if it is not set a location level (Organizational structure elements > Cycle Count tab).

### **Count after number of operations**

The number of operations after which cycle counting must be performed. A zero means that this location always has to be counted. The setting can be used only if it is not set a location level (Organizational structure elements > Cycle Count tab).

### **Count location when it becomes empty**

If the setting is enabled, cycle count must be performed when the used location becomes empty during other operations.

### **Count type cycle count**

The type of cycle count to use when performing cycle count.

Possible options:

- **Lost and Found:** A virtual location where differences are recorded. This option corrects the stock on the counted location.
- **Registration:** Differences are recorded in a table. With this option the stock on the counted location remains the same until the count is processed.

Note: In case of differences for items with serial number, this setting is ignored and the system uses type *Registration*.

### **Count type other operations**

The type of cycle count to use when performing cycle count during other operations.

Possible values:

- **Lost and Found:** A virtual location where differences are recorded. This option corrects the stock on the counted location.
- **Registration:** Differences are recorded in a table. With this option the stock on the counted location remains the same until the count is processed.

Note: In case of differences for items with serial number, this setting is ignored and the system uses type *Registration*.

### **Default batch on auto handle batch**

The batch number to use when there is no batch on the counted location. To use this setting the *Auto handle batch?* setting must be enabled.

### **Dummy serial number format**

When using cycle count type *Lost and Found* and processing the cycle count for lost serial numbers managed with *on release only* method, dummy serial numbers might need to be generated in order to be issued. With this setting a fix part for all dummy serial numbers can be entered and then the system amends the entered value with incrementing numbers to generate unique dummy serial numbers.

### **Enter reason on direct cycle count?**

If the setting is enabled, during the Direct Cycle Count flow the user must select a reason why there is a difference between the counted items and the items recorded in the system. The reasons can be defined on the [Reasons](#) tab of the Organization Structure.

### **Enter reason when skipping count?**

If the setting is enabled, the user must enter a reason when skipping the count during other operations.

**Maintain current quality status when reducing quantity**

When this setting is enabled, the system keeps the current quality status of the stock when reducing quantity.

When the setting is disabled, the system changes the quality status to the value set on the OSE's default tab for cycle count.

**This setting is NOT applied to Direct Cycle Count!****Important Note**

There is a possibility that the user's Cycle Count will run into fail because of the CC Quality Status.

**To avoid this**, you need to **choose a Quality Status** for the Cycle Count Quality Status **that meets these two conditions**:

- **Quality Status can be put on a pick location.**
- **Any Quality Status is set to be changeable to the Cycle Count Quality Status (quality status transition).**

The Cycle Count may also fail if there is an inventory lock on the undercounted stock, WMS cannot change the quality status.

**Manually set price on processing the count**

If this setting is enabled, the user can enter the price that needs to be used when creating goods issue/receipt documents. By default, the new price is the value indicated in the *Item Cost* column of the [Processing Cycle Count](#) screen.

For catch weight items a price per weight can be entered.

Note: If the setting is enabled, settings *Price List for Goods Issue* and *Price List for Goods Receipt* are ignored for any price calculation.

**Price list for goods issue**

The price list to use when the cycle count needs to perform a goods issue. Possible values:

- An SBO price list (OPLN.ListNum)
- 0 or no value: the system uses the default settings of SAP Business One
- -1 for the last purchase price
- -2 for the last evaluated price

Note: If setting *Manually Set Price on Processing the Count* is enabled, setting *Price List for Goods Issue* is ignored during any price calculation. In this case it is only used by the system to put the price list number on the header of Goods Issue documents.

**Price list for goods receipt**

The price list to use when the cycle count needs to perform a goods receipt. Possible values:

- An SBO price list (OPLN.ListNum)
- 0 or no value: the system uses the default settings of SAP Business One
- -1 for last purchase price

- -2 for last evaluated price

Note: If setting *Manually Set Price on Processing the Count* is enabled, setting *Price List for Goods Receipt* is ignored during any price calculation. In this case it is only used by the system to put the price list number on the header of Goods Issue documents.

#### ***Propose default quantity on logistic unit***

If the setting is enabled, the system automatically fills in the default quantity on a logistic unit.

#### ***Registration: Store lines with no difference***

The setting applies to cycle count type *Registration*. If the setting is enabled, the system also records lines in the registration table where the counted difference is zero.

#### ***Show current stock items***

If the setting is enabled, the system displays the *Items on Location* screen and shows the current items in stock for the selected location when the counting starts. If the setting is disabled, the screen is not displayed.

#### ***Show differences during cycle count***

If the setting is enabled, after counting a location the scanner shows the differences between the counted items and the items recorded in the system.

#### ***Show differences during other operations***

If the setting is enabled, after counting a location during other operations, the scanner shows the differences between the counted items and the items recorded in the system.

Recount

#### ***Hide current stock quantity***

If the setting is enabled, the quantities will be hidden on the **Select Recount Task** screen.

### **2.3.14. Document Series Controller**

#### Extension: Default SAP Document Series

Note: The controller will be removed from Produmex WMS.

### 2.3.15. Freight Charges Controller

Extension: Controls the Freight Charges



#### **Document price reference**

The price to take in account for the freight charges

#### **View name**

The name of the view to use for calculation of the freight charges. The default value is: 'PMX\_FREIGHT\_CHARGES'

Configuration of the freight charges is done on the UDT [PMX\\_FCDE](#)

### 2.3.16. Incoming Payment Generator

It requires a custom extension that allows for generating incoming payment documents.

### 2.3.17. Interface for PMX Advance Shipping Notice Importer and Exporter

Extension: Advance Shipping Notice Interface - Default



#### The CSV file

The CSV file is received from a supplier and from the file goods that are received against purchase

orders and purchase invoices can be imported to SAP Business One with the [Produmex Interfacing Tool](#).

The CSV file must contain 14 columns with predefined column names that can be present in any order and it can contain two additional optional columns (see table below).

### **CSV Custom Header**

If the supplier sets different column names in the header of the CSV file (for example Object Type instead of ObjType, Document Number instead of DocNum, etc.), the Interfacing Tool is not able to match the columns to the correct fields. In this case the header of the CSV file is overwritten by the *CSV Custom Header*.

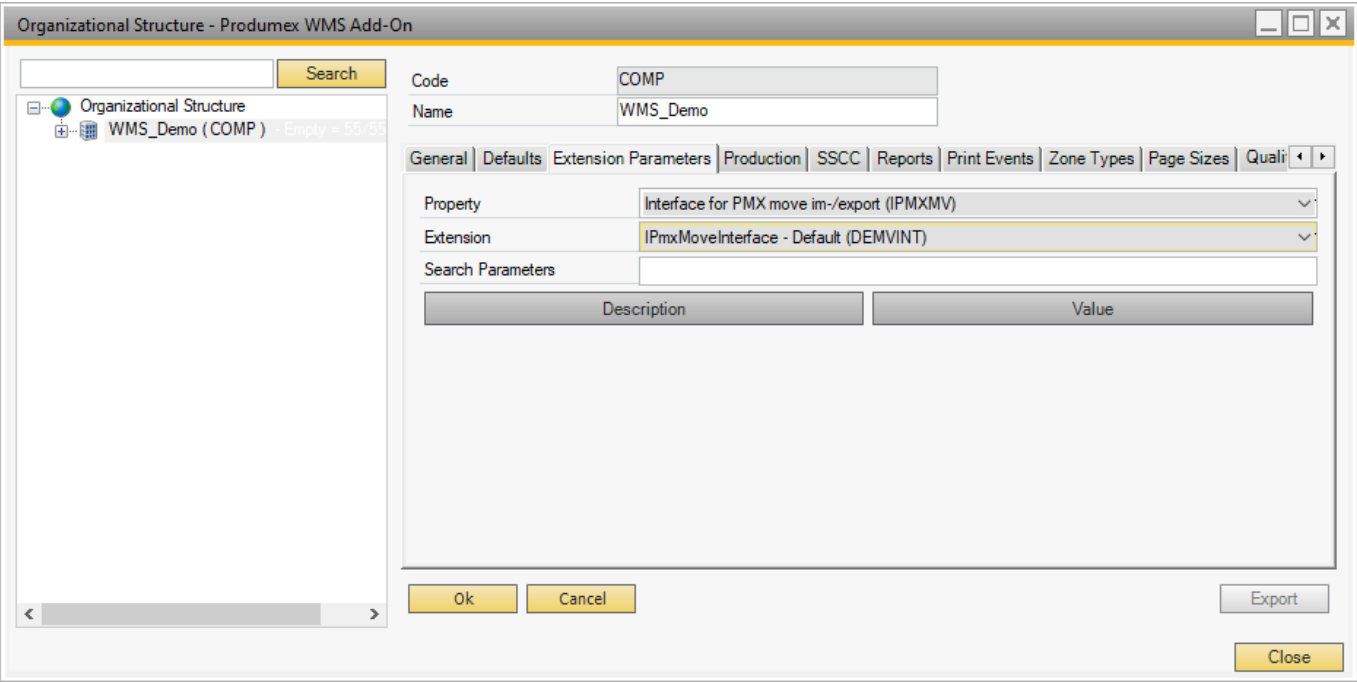
- If the supplier lists the columns in an order different from the default order in the *CSV Custom Header* field, you can change the order of the columns in the field. While customizing the order of the columns in the *CSV Custom Header* field, make sure that you do not change the column names and do not remove any value from the field
- If the supplier lists the columns with different names, you can change the names of the columns in the field without changing their order.

<b>Column name (case sensitive)</b>	<b>Description</b>
ObjType	The object type of the document, it is either a purchase order or a purchase invoice.
DocNum	The document number of the purchase order/purchase invoice
LineNum	The correct line of the item in the purchase order
ItemCode	The item code of the product
Quantity	The quantity of the item to be received
SSCC	The SSCC of the logistic unit
MasterSSCC	The SSCC number of the master logistic unit
Batch	The batch number of the product
Batch2	The second batch number of the product
BBD	The best before date of the product
SerialNumber	The serial number of the product
UF1	User information
UF2	User information
UF3	User information
BeasItemVersion (optional column)	Item version number in case of Produmex WMS - Beas Manufacturing integration
SupplierRefNo (optional column)	Supplier reference number

### **2.3.18. Interface for PMX Move Import/Export**

Extension: Move Interface - Default

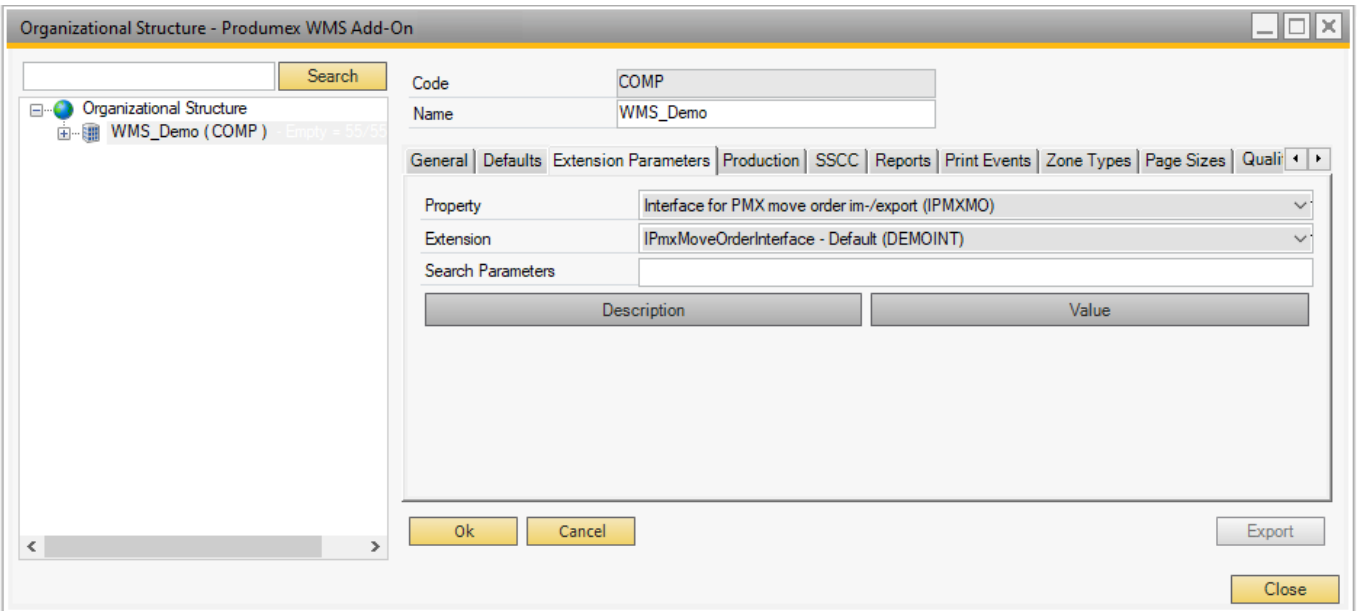




See [Produmex Standard EDI Module](#).

**2.3.19. Interface for PMX Move Order Import/Export**

Extension: Move Order Interface - Default



See [Produmex Standard EDI Module](#).

**2.3.20. Interface for PMX Pick list Import/Export**

The Produmex picklist document has an interface, but it requires a custom controller.

#### **2.3.21. Interface for PMX Serial Number Import/Export**

The Produmex serial number document has an interface, but it requires a custom controller.

#### **2.3.22. Interface for PMX Stock QS Change Import**

The Produmex stock QS change document has an interface, but it requires a custom controller.

#### **2.3.23. Interface for SBO Business Partner Import/Export**

The SBO business partner document has an interface, but it requires a custom controller.

#### **2.3.24. Interface for SBO Goods Issue Import/Export**

The SBO goods issue document has an interface, but it requires a custom controller.

#### **2.3.25. Interface for SBO Goods Receipt Import/Export**

The SBO goods receipt document has an interface, but it requires a custom controller.

#### **2.3.26. Interface for SBO Incoming Payment Import/Export**

The SBO incoming payment document has an interface, but it requires a custom controller.

#### **2.3.27. Interface for SBO Item Master Data Import/Export**

Extension: SBO Item Master Data Interface – Default

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP

Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Interface for sbo item master data im-/export (ISBOIMD)

Extension: ISboItemMasterDataInterface - Default (DIMINT)

Search Parameters

Description Value

Ok Cancel Export Close

See [Produmex Standard EDI Module](#).

### 2.3.28. Interface for SBO Production Issue Import/Export

The SBO production issue document has an interface, but it requires a custom controller.

### 2.3.29. Interface for SBO Production Receipt Import/Export

The SBO production receipt document has an interface, but it requires a custom controller.

### 2.3.30. Interface for SBO Purchase Credit Note Import/Export

Extension: SBO Purchase Credit Note Interface - Default

The screenshot shows a software window titled "Organizational Structure - Produmex WMS Add-On". On the left is a tree view with "Organizational Structure" and "WMS\_Demo (COMP)". The main area has a "General" tab selected. It contains fields for "Code" (COMP) and "Name" (WMS\_Demo). Below these are dropdowns for "Property" (Interface for SBO purchase credit note im-/export (ISBOPCN)) and "Extension" (ISboPurchaseCreditNoteInterface - Default (DEPCINT)). There is a "Search Parameters" field and a table with "Description" and "Value" headers. At the bottom are "Ok", "Cancel", "Export", and "Close" buttons.

See [Produmex Standard EDI Module](#).

### 2.3.31. Interface for SBO Purchase Delivery Import/Export

Extension: SBO Purchase Delivery Interface - Default

This screenshot is similar to the previous one but shows a different configuration. The "Property" dropdown is now "Interface for SBO purchase delivery im-/export (ISBOPDLN)" and the "Extension" dropdown is "ISboPurchaseDeliveryInterface - Default (DEPDINT)". The rest of the interface, including the tree view and buttons, remains the same.

See [Produmex Standard EDI Module](#).

### 2.3.32. Interface for SBO Purchase Invoice Import/Export

Extension: SBO Purchase Invoice Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

- WMS\_Demo (COMP) - Empty = 55/55

CodeCOMP

NameWMS\_Demo

General

Defaults

Extension Parameters

Production

SSCC

Reports

Print Events

Zone Types

Page Sizes

Quali

PropertyInterface for SBO purchase invoice im-/export (ISBOPINV)

ExtensionISboPurchaseInvoiceInterface - Default (DEPIINT)

Search Parameters

Description

Value

Ok

Cancel

Export

Close

See [Produmex Standard EDI Module](#).

2.3.34. Interface for SBO Purchase Return Import/Export

Extension: SBO Purchase Return Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

- WMS\_Demo (COMP) - Empty = 55/55

CodeCOMP

NameWMS\_Demo

General

Defaults

Extension Parameters

Production

SSCC

Reports

Print Events

Zone Types

Page Sizes

Quali

PropertyInterface for SBO purchase return im-/export (ISBOPRTN)

ExtensionISboPurchaseReturnInterface - Default (DEPRINT)

Search Parameters

Description

Value

Ok

Cancel

Export

Close

See [Produmex Standard EDI Module](#).

2.3.35. Interface for SBO Sales Credit Note Import/Export

Extension: SBO Sales Credit Note Interface - Default

Produmex - <https://wiki.produmex.name/>

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure  
WMS\_Demo (COMP) - Empty = 55/55

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Interface for SBO sales credit note im-/export (ISBOSCN)  
Extension: ISboSalesCreditNoteInterface - Default (DESCINT)  
Search Parameters:   
Description Value

Ok Cancel Export Close

See [Produmex Standard EDI Module](#).

### 2.3.37. Interface for SBO Sales Delivery Import/Export

Extension: SBO Sales Delivery Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure  
WMS\_Demo (COMP) - Empty = 55/55

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Interface for SBO sales delivery im-/export (ISBOSDLN)  
Extension: ISboSalesDeliveryInterface - Default (DESDINT)  
Search Parameters:   
Description Value

Ok Cancel Export Close

See [Produmex Standard EDI Module](#).

### 2.3.36. Interface for SBO Sales Delivery 2 Import/Export

The SBO Sales Delivery 2 document has an interface, but it requires a custom controller.

2.3.38. Interface for SBO Sales Invoice Import/Export

Extension: SBO Sales Invoice Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

WMS\_Demo (COMP) - Empty = 55/55

CodeCOMP

NameWMS\_Demo

General

Defaults

Extension Parameters

Production

SSCC

Reports

Print Events

Zone Types

Page Sizes

Quali

PropertyInterface for SBO sales invoice im-/export (ISBOSINV)

ExtensionISboSalesInvoiceInterface - Default (DESIINT)

Search Parameters

Description

Value

Ok

Cancel

Export

Close

See [Produmex Standard EDI Module](#).

2.3.39. Interface for SBO Sales Order Import/Export

Extension: SBO Sales Order Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

WMS\_Demo (COMP) - Empty = 55/55

CodeCOMP

NameWMS\_Demo

General

Defaults

Extension Parameters

Production

SSCC

Reports

Print Events

Zone Types

Page Sizes

Quali

PropertyInterface for SBO sales order im-/export (ISBOSRDR)

ExtensionISboSalesOrderInterface - Default (DESOINT)

Search Parameters

Description

Value

Ok

Cancel

Export

Close

See [Produmex Standard EDI Module](#).

### 2.3.40. Interface for SBO Sales Return 2 Import/Export

The SBO sales return 2 document has an interface, but it requires a custom controller.

### 2.3.41. Interface for SBO Sales Return Import/Export

Extension: Sbo Sales Return Interface - Default

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Organizational Structure  
WMS\_Demo (COMP) - Empty - 55/55

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Interface for SBO sales return im-/export (ISBOSR)  
Extension: ISboSalesReturnInterface - Default (DESRINT)  
Search Parameters:

Description	Value
-------------	-------

Ok Cancel Export Close

See [Produmex Standard EDI Module](#).

### 2.3.42. Interface for SBO Whs Transfer Import/Export

The SBO warehouse transfer document has an interface, but it requires a custom controller.

### 2.3.43. Inventory Controller

Extension: Inventory Controller - Controls the Inventory Report



### **View name - Detail**

The view name that is used to show the inventory report for 'Group by' = Detail.  
This means that the inventory report can be customized.  
It is possible to ADD additional columns to this view.

### **Localization key - Detail**

When the inventory report is called for 'Group by' = Detail, this translation key will be used.  
There is the possibility to select one of the existing sortings.

### **Order by - Details**

When the inventory report is called for 'Group by' = Detail, this sorting will be used on the query.  
There is the possibility to select one of the existing sortings.  
But it is also possible to just type text for the order by statement.

The text in the field will be added to the ORDER BY clause of the query.  
There is no need to start the text with ORDER BY.

Possible values:

- ItemCode ASC, InternalKey ASC: This will sort it on the item code, and next the row key of the inventory.
- InternalKey ASC: This will sort based on the row key of the inventory.
- StorLocCode ASC, ItemCode: This will sort on the storage location code and next on the item code.

## **2.3.44. IPMX Stock Interface - PMX Stock Import/Export**

The Produmex stock document has an interface, but it requires a custom controller.

### 2.3.45. Location controller

This controller holds the configuration for suggesting locations on moves.

#### Extension: Location Controller - Handle Location Suggestions

This controller uses put away zones to get a list of possible locations to store the goods.

The screenshot shows a software window titled "Organizational Structure - Produmex WMS Add-On". On the left is a tree view showing "Organizational Structure" with a sub-item "WMS\_Demo (COMP)" which is selected. The main area on the right is a configuration panel. At the top, there are fields for "Code" (COMP) and "Name" (WMS\_Demo). Below these are tabs: "General", "Defaults", "Extension Parameters", "Production", "SSCC", "Reports", "Print Events", "Zone Types", "Page Sizes", and "Quali". The "General" tab is active. It contains a "Property" dropdown set to "Location controller (LCTRL)" and an "Extension" dropdown set to "Location controller - Handle location suggestions (LOCONTR)". Below these is a "Search Parameters" field. A table with two columns, "Description" and "Value", is present. Under the "General" section, there are several configuration options: "Use suggested locations?" (checkbox, unchecked), "Allow to suggest an empty fixed pick location?" (checkbox, checked), "Allow to suggest pick locations during moves?" (checkbox, unchecked), "Allow to suggest pick locations during put away?" (checkbox, unchecked), "Force to use first suggested location during moves?" (checkbox, checked), "Force to use first suggested location during put away?" (checkbox, checked), "Order by (Moves)" (dropdown, showing "SE 'PMX\_OSSL' 'Sequence' END, 'PMX\_OSSL' 'Code'"), and "Order by (Put away)" (dropdown, showing "SE 'PMX\_OSSL' 'Sequence' END, 'PMX\_OSSL' 'Code'"). At the bottom are "Ok", "Cancel", "Export", and "Close" buttons.

#### ***Use suggested locations?***

Enables the location suggestion functionality.

#### ***Allow to suggest an empty fixed pick location?***

When getting the list of locations, can an empty fixed pick location be suggested? If an empty fixed pick location is found, this will be the first suggested location.

#### ***Allow to suggest pick locations during moves?***

Are pick locations allowed to be suggested?

This is used on the ad hoc move flows.

#### ***Allow to suggest pick locations during put away?***

Are pick locations allowed to be suggested?

This is used on the put away or reception flow.

#### ***Force to use first suggested location during moves?***

Is the user forced to use the first suggested location?

If he is forced to do this, but he enters another location, he will need to enter a reason.

This is used on the ad hoc move flows.

### **Force to use first suggested location during put away?**

Is the user forced to use the first suggested location?

If he is forced to do this, but he enters another location, he will need to enter a reason.

This is used on the put away or reception flow.

### **Order by (Moves)**

The order by clause for the locations that need to be retrieved.

A predefined value can be selected:

- CASE COUNT( "PMX\_INVT"."InternalKey" ) WHEN 0 THEN 0 ELSE 1 END,  
ISNULL("PAZ"."Sequence", 999999999),CASE WHEN "PAZ"."SortPickSequenceDescending" =  
'Y' THEN "PMX\_OSSL"."Sequence" \*-1 ELSE "PMX\_OSSL"."Sequence" END,"PMX\_OSSL"."Code"

It sorts the location on:

- Empty locations
- Put away zone sequence (Defined on the location)
- Pick sequence of locations that belong to the put away zone
- Location code

The value can be adjusted freely.

The setting applies to the following flows:

- Ad hoc moves
- Move orders
- Unpicking for production
- Undo picking
- Consolidated moves

### **Order by (Put away)**

The order by clause for the locations that need to be retrieved.

A predefined value can be selected:

- CASE COUNT( "PMX\_INVT"."InternalKey" ) WHEN 0 THEN 0 ELSE 1 END,  
ISNULL("PAZ"."Sequence", 999999999),CASE WHEN "PAZ"."SortPickSequenceDescending" =  
'Y' THEN "PMX\_OSSL"."Sequence" \*-1 ELSE "PMX\_OSSL"."Sequence" END,"PMX\_OSSL"."Code"

It sorts the location on:

- Empty locations
- Put away zone sequence (Defined on the location)
- Pick sequence of locations that belong to the put away zone
- Location code

The value can be adjusted freely.

This is used on the put away or reception flow.

For more information about the usage see: [Location suggestions](#)

### 2.3.46. Minimum Customer Stock Levels Controller

Extension: Default Minimum Customer Stock Levels Controller

It controls the [Reserving Minimum Stock for Customers functionality](#).

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Organizational Structure  
WMS\_Demo (COMP) - Empty = 55/55

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Minimum customer stock levels controller (MCSLCTRL)  
Extension: Default Minimum Customer Stock Levels Controller (DEMCSLCT)  
Search Parameters:

Description	Value
Minimum customer stock levels controller (MCSLCTRL)	Default Minimum Customer Stock Levels Controller (DEMCSLCT)

Ok Cancel Export Close

### 2.3.47. Move Controller

Extension: Default Move Controller

Organizational Structure - Produmex WMS Add-On 2023.10.00.0002

Search

Code: COMP  
Name: WMS\_2204\_UPG

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Parameter Set: DEFAULT [Duplicate]  
Property: Move controller (MVCONTR)  
Extension: Default Move Controller (DEFMVCON)  
Search Parameters:

Description	Value
<b>Ad hoc move</b>	
Always scan product? (Y/N)	<input type="checkbox"/>
<b>General</b>	
Return to next move when performing ad hoc move? (Y/N)	<input checked="" type="checkbox"/>
Translation key for 'Select empty location'?	MSG_BUTTON_SELECT_EMPTY_LOCATION
<b>Partial AdHoc Move (BEAS)</b>	
Partial AdHoc Move Type	Standard - No moves allowed (STANDARD)
Show Free Stock First? (Y/N)	<input type="checkbox"/>
The Custom View Name	
The Order By Clause of the View	"BaseType" DESC, "BaseEntry", "BaseLine", "LockingKey"

Ok Cancel Export Close

## Ad hoc move

### Always scan product? (Y/N)

If enabled, the item must be scanned during an ad hoc move on the scanner, even if it is the only item on the SSCC/location.

## General

### Return to next move when performing ad hoc move? (Y/N)

If set to true, the system will go back to a screen to perform the next move instead of going back to the start of the ad hoc move flow. This allows the user to quickly perform another move of the same type without entering again if it is a local move, select destination whs, ...

### Translation key for 'Select empty location'?

This can be used to customize the text on the button to select an empty location when choosing a destination location.

This is used in combination with the SelectLocationForAdHocMovesHookScript.

That hook script can return a customized query to list locations.

Used in the flows:

- Ad hoc moves
  - Partial move
  - Full LUID move

- Multiple LUID move
- Undo picking

### ***Partial AdHoc Move (BEAS)***

Options related to the Beas-WMS integration concerning locked/reserved stock

#### ***Partial AdHoc Move Type***

Select how items are displayed on the Mobile Client

- Standard - No Moves Allowed
- Use Default View - Reserved and older base documents first
- Use the Defined Custom View

#### ***Show Free Stock First? (Y/N)***

If enabled, free stock will be listed above the reserved ones.

#### ***The Custom View Name***

Add a name to your custom view.

#### ***The Order By Clause of the View***

You can determine the order items are displayed on the mobile client based on clause types.

### **2.3.48. On Consume for Production Controller**

This is a controller that gets executed when ingredients are being consumed for production. This can be used for adding additional items to the issue for production.

There is no default implementation of this controller. It needs to be created on a customer base.



### **2.3.47. On release of route controller**

It requires a custom extension.

### **2.3.50. On Sales Delivery Creation**

It requires a custom extension.

### 2.3.51. Open Documents Screen Controller

#### Extension: Controller for the Open Documents Screen

The screenshot shows the 'Organizational Structure - Produmex WMS Add-On' window. The left pane shows the tree structure with 'Organizational Structure' and 'WMS\_Demo (COMP)' selected. The main pane displays the configuration for the 'Controller for the open documents screen (DEDOCCTR)' extension. The 'Code' is 'COMP' and the 'Name' is 'WMS\_Demo'. The 'Property' is 'Open documents screen controller (ODOCTRL)' and the 'Extension' is 'Controller for the open documents screen (DEDOCCTR)'. The 'Search Parameters' field is empty. Below this, there are sections for 'Containers', 'Move orders', 'Picklists', 'Picklist proposals', 'Routes', and 'Weigh Orders', each with configuration fields for 'Order by', 'View name', and 'Grid localization key'.

Description	Value
<b>Containers</b>	
Order by (Container)	"ContainerType"; "DocEntry"
View name (Container)	PMX_OPEN_DOCUMENT_REPORT_CONTAINER
Grid localization key (Container)	Logex.AddOn.OpenDocumentsReportForm.Grid.Container
<b>Move orders</b>	
Order by (Move order)	"DocEntry"
View name (Move order)	PMX_OPEN_DOCUMENT_REPORT_MOVE_ORDER
Grid localization key (Move order)	Logex.AddOn.OpenDocumentsReportForm.Grid.MoveOrder
<b>Picklists</b>	
Order by (Pick list)	"WaveKey"
View name (Pick list)	PMX_OPEN_DOCUMENT_REPORT_PICKLIST
Grid localization key (Pick list)	Logex.AddOn.OpenDocumentsReportForm.Grid.PickList
<b>Picklist proposals</b>	
Order by (Proposal)	"DocEntry"
View name (Proposal)	PMX_OPEN_DOCUMENT_REPORT_PICKLIST_PROPOSAL
Grid localization key (Pmx sales shipping)	Logex.AddOn.OpenDocumentsReportForm.Grid.PmxSalesShip
<b>Routes</b>	
Order by (Route)	"DocEntry"
View name (Route)	PMX_OPEN_DOCUMENT_REPORT_ROUTE
Grid localization key (Route)	Logex.AddOn.OpenDocumentsReportForm.Grid.Route
<b>Weigh Orders</b>	
Order by (Weigh order)	"DocEntry"
View name (Weigh order)	PMX_OPEN_DOCUMENT_REPORT_WEIGH_ORDER
Grid localization key (Weigh order)	Logex.AddOn.OpenDocumentsReportForm.Grid.WeighOrder

Buttons: Ok, Cancel, Export, Close

The settings below are to customize the grids shown on the open documents report.

There is a view to get the data to show on the grid. The order in which the columns are on the view, will also be the order in which they will appear in the grid.

Per view there are some mandatory fields, so the system knows what column to use for certain

values.

## **Container**

### **Order by - (Container)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

### **View name - (Container)**

The name of the view that will be used. Required fields:

- DocEntry

### **Grid localization key - (Container)**

The localization key to use. This is used to translate the grid.

## **Move orders**

### **Order by - (Move order)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

### **View name - (Move order)**

The name of the view that will be used. Required fields:

- DocEntry, FromPmxWhsCode, ToPmxWhsCode

### **Grid localization key - (Move order)**

The localization key to use. This is used to translate the grid.

## **Pick lists**

### **Order by - (Pick list)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

### **View name - (Pick list)**

The name of the view that will be used. Required fields:

- DocEntry, DestStorLocCode, WaveKey

### **Grid localization key - (Pick list)**

The localization key to use. This is used to translate the grid.

## **Pick list proposals**



**Order by - (Pick list proposal)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

**View name - (Pick list proposal)**

The name of the view that will be used. Required fields:

- DocEntry, DestStorLocCode, HasPickList

**Grid localization key - (Pick list proposal)**

The localization key to use. This is used to translate the grid.

**Pmx Sales shipping****Order by - (Pmx sales shipping)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

**View name - (Pmx sales shipping)**

The name of the view that will be used. Required fields:

- DocEntry

**Grid localization key - (Pmx sales shipping)**

The localization key to use. This is used to translate the grid.

**Routes****Order by - (Route)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

**View name - (Route)**

The name of the view that will be used. Required fields:

- DocEntry, LoadingDock

**Grid localization key - (Route)**

The localization key to use. This is used to translate the grid.

Below is a reduced translation tag for the standard grid is.

It shows how to translate, or if needed how to hide a columns.

```
<PmxLocalizationKey>
  <Canceled>False</Canceled>
<LocalizationKey>Logex.AddOn.OpenDocumentsReportForm.Grid.Route</LocalizationKey>
  <ApplicationTypeCode>SB0GUIAP</ApplicationTypeCode>
  <LocalizationProperties>
    <PmxLocalizationProperty>
```

```
<Canceled>False</Canceled>
<LocalizationProperty>Columns[1].HeaderText</LocalizationProperty>
<ExtensionCode>CONVSTR</ExtensionCode>
<LocalizationValues>
  <PmxLocalizationValue>
    <Canceled>False</Canceled>
    <LocalizationValue>Document number</LocalizationValue>
    <LanguageCode>3</LanguageCode>
  </PmxLocalizationValue>
  <PmxLocalizationValue>
    <Canceled>False</Canceled>
    <LocalizationValue>Type</LocalizationValue>
    <LanguageCode>16</LanguageCode>
  </PmxLocalizationValue>
</LocalizationValues>
</PmxLocalizationProperty>
<PmxLocalizationProperty>
  <Canceled>False</Canceled>
  <LocalizationProperty>Columns[13].Visible</LocalizationProperty>
  <ExtensionCode>CONVB00L</ExtensionCode>
  <LocalizationValues>
    <PmxLocalizationValue>
      <Canceled>False</Canceled>
      <LocalizationValue>False</LocalizationValue>
      <LanguageCode>3</LanguageCode>
    </PmxLocalizationValue>
    <PmxLocalizationValue>
      <Canceled>False</Canceled>
      <LocalizationValue>False</LocalizationValue>
      <LanguageCode>16</LanguageCode>
    </PmxLocalizationValue>
  </LocalizationValues>
</PmxLocalizationProperty>
</LocalizationProperties>
</PmxLocalizationKey>
```

## **Weigh orders**

### **Order by - (Weigh orders)**

The order by for the view. The text 'ORDER BY' does not need to be entered here.

### **View name - (Weigh orders)**

The name of the view that will be used. Required fields:

- DocEntry

### **Grid localization key - (Weigh orders)**

The localization key to use. This is used to translate the grid.

### 2.3.52. Open Sales Orders Controller

#### (1) Extension: Open Sales Order Controller - Open Sales Orders Custom

This controller uses a view to show the data on the screen, that is, it is customizable what to show on the screen.



#### **Localization key**

This is the key that is used for the translation of the grid.

#### **Order by**

Define the field(s) the screen should be sorted on.

#### **View name**

The view can be customized, but the following fields are required:

- ObjType
- DocEntry
- DocDueDate
- PmxWhsCode
- CardCode

#### (2) Extension: Open Sales Order Controller - Open Sales Orders that are in Stock

Shows all approved sales orders with active business partners and with items that are in stock.



#### **Fields to sort by in GUI**

Define the field(s) the screen should be sorted on. The value to enter is adjustable.

However 2 predefined options can be chosen:

- CardCode in Ascending order
- DocDueDate, Cardcode both in Ascending order.

\*This option will become obsolete. Please use the option Open sales orders with stock status\*

#### (3) Extension: Open Sales Order Controller - Open Sales Orders with Stock Status

Show all approved sales orders with active business partners and with items that are in stock. This will also check if partial deliveries are allowed.



#### **Fields to sort by in GUI**

Define the field(s) the screen should be sorted on. The value to enter is adjustable.  
However 2 predefined options can be chosen:

- CardCode in Ascending order
- DocDueDate, Cardcode both in Ascending order.

### **Show undeliverable orders**

When checked, the system will also show sales orders that cannot create a proposal, meaning all open orders are shown.

## **2.3.53. Packing Controller**

Extension: Packing Controller - Controls the Packaging



### **Combine Packed SSCC Flow**

#### **Start by scanning SSCC?**

If the setting is enabled, the [Combine Packed SSCC Flow](#) starts with the step of scanning an SSCC and the *Select customer / address* screen is skipped. The customer and the address are retrieved from the picklist.

### **Consolidated Packing flow**

#### **Allow partially picked pick lists to be packed (Y/N)**

If the setting is enabled, the system allows for packing picklists with *partially picked* status.

### **General Settings**

#### **Add logistic carriers to all Sub SSCC's (Y/N)**

If the setting is enabled, the selected logistic carrier is linked to the sub SSCC instead of the master SSCC.

If the setting is disabled, the logistic carrier is linked only to the master SSCC.

Note: The combination of adding logistic carriers to master and sub SSCCs is not possible.

The setting applies to the following flows:

- [Packing Flow](#)
- [Consolidated Packing Flow](#)
- [Item Packing Flow](#)

#### **Ask logistic carrier when LUID is finished**

If the setting is enabled, the Packing Flow does not ask for the logistic carrier when a new LUID is

started, but only when the user indicates that the LUID is full.

**Allow changing shipping type for Logistic Unit? (Y/N)**

If this setting is enabled, it allows selecting between different types of Manual and Auto Shipping on the thin client when a logistic Unit is completed at the packing flow (the default is set by the Sales Order header) and it also appears on the LUID table. When the setting is off, Shipping Types are only configurable at the base documents: Sales Orders, A/R Invoices or Inventory Transfer Requests.

Note: the functionality works only if the Shipping Type is Manual or Automatic in all base document lines.

**Allow the input of an external SSCC? (Y/N) and Force user to rescan SSCC? (Y/N)**

If both settings are enabled, the system allows for scanning an external SSCC instead of generating a new SSCC automatically. When the first item is added, the system displays the Scan an SSCC extra screen and the user can scan the SSCC.

In addition, each time a new item is added, the user 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. The user must scan the appropriate SSCC (or select a different item and then scan the appropriate SSCC) to proceed with the flow.

**Important:** Both settings must be enabled to use the functionality. If only one of them is enabled, it will not have any effect.

**Finished LUID screen. View name**

The name of the view that is used for customizing the Finished LUID screen. Required field: LUID.

**Perform automatic shipping per customer/address? (Y/N)**

If the setting is enabled, the system tries to perform automatic shipping for each packed picklist for the same *customer/address/ship to code* instead of checking if all picklists in the wave are packed.

**Pick list grouping**

When packing items, the user must select the customer/address if there are multiple customer/address on the movable location or SSCC.

There are 2 options:

- Grouping on CardCode, ShipToCode, ShipToAddress
- Grouping on CardCode, ShipToAddress

**Pick list order by**

The sorting of picklists on the *Select a Pick List* screen of the packing flows. Options:

- Order by due date, priority, wave key
- Order by priority, due date, wave key

The setting applies to the following packing flows:

- [Consolidated Packing Flow](#)
- [Cash Register Packing Flow](#)

**Time to show 'Packing LUID finished' message**

The number of seconds during which time the *Logistic unit finished* message is shown on the scanner:

Possible values:

- Negative values: The message is not shown.
- Value 0: The message remains visible until the user clicks the OK button.
- Positive values: The message remains visible for the entered period of time in seconds.

### ***Use pallet packaging type from customer master data?***

If the setting is enabled, the packing flows use settings available on the business partner master data to check if multiple identical master and/or sub SSCCs need to be created.

Supported flows:

- [Packing Flow](#)
- [Consolidated Packing Flow](#)
- [Item Packing Flow](#)

### ***Item Packing Flow and Cash Register Packing Flow***

#### ***Force user to only scan items (Y/N)?***

If the setting is enabled, the quantity to pack must be added by scanning the barcodes and the quantity cannot be entered manually. The setting applies to the [Item Packing Flow](#) and [Cash Register Packing Flow](#).

#### **2.3.54. Picklist Robot**

[Extension: Default Picklist Robot](#)

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure  
WMS\_Demo (COMP) Empty = 55/55

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quali

Property: Pick list robot (PLRBT)  
Extension: Default pick list robot (PLRBTCTR)  
Search Parameters:

Description	Value
<b>Pick lists</b>	
Create pick lists? (Y/N)	<input type="checkbox"/>
Order by	"DocEntry"
View name	PMX_PICK_LIST_ROBOT_CREATE_PICK_LISTS
<b>Proposals</b>	
Create proposals? (Y/N)	<input type="checkbox"/>
Order by	"DocDueDate", "DocEntry"
View name	PMX_PICK_LIST_ROBOT_CREATE_PROPOSALS
<b>Waves</b>	
Group into waves - View name	PMX_PICK_LIST_ROBOT_GROUP_INTO_WAVES
Group waves? (Y/N)	<input type="checkbox"/>

Ok Cancel Export Close

## Picklists

### Create picklists? (Y/N)

If set, the system will try to create picklists.

### Order by

The ORDER BY clause that is used in combination with the view.

### View name

The view name that will be used to create the picklists. Required fields:

- DocEntry (Of the proposal)
- CardCode
- PmxWhsCode

## Proposals

### Create proposals? (Y/N)

If set, the system will try to create picklist proposals.

### Order by

The ORDER BY clause that is used in combination with the view.

### **View name**

The view name that will be used to create the picklist proposals.

Required fields:

- DocEntry
- LineNum (NULL if Production)
- ObjType
- DocDueDate
- CardCode
- ItemCode
- ItmsGrpCod
- PmxWhsCode
- ProductionLineCode (NULL if Sales or Warehouse Transfer)

The default value is PMX\_PICK\_LIST\_ROBOT\_CREATE\_PROPOSALS that unifies the following views:

- PMX\_PICKLIST\_PROPOSAL\_MANAGER\_SALES
- PMX\_PICKLIST\_PROPOSAL\_MANAGER\_TRANSFER
- PMX\_PICKLIST\_PROPOSAL\_MANAGER\_PRODUCTION

### **Waves**

#### **Group waves? (Y/N)**

If set, the system will try to group picklists into waves.

### **View name**

The view name that will be used to group picklists. The logic to group picklists into waves is based on the column 'Grouping'. All rows with the same data in the field 'Grouping' will be grouped into 1 wave. The standard view will group all picklists for the same customer and delivery address into the same wave. Picklists that have been started picking will not be adjusted anymore, so the picklists will not be added to another wave, even if they have the same customer/delivery address. Required fields:

- DocEntry
- WaveKey
- PickListStatus
- CardCode
- PmxWhsCode
- Grouping

### **2.3.55. Picking for Production Controller**

Extension: Picking For Production Controller - Controls the Picking for Production



### **Allow continuous picking for production**



If set, the system will allow to pick production order lines, even if full quantity has been picked.

**Picking order by**

Select the sorting of the items to propose when performing picking for production.

This option is used when no proposals are created for production (*FEFO = BBD, BatchNumber, BatchNumber2*)

Options:

- FEFO\_LUID\_PickProduction: Order by FEFO, Non pick location, LUID, no LUID
- LUID\_PickProduction: Order by LUID, No LUID, Non pick location, FEFO
- FEFO\_FullPallet\_PickProduction: Order by FEFO, Non pick location, Full LUID, LUID, no LUID
- FEFO\_PickProduction: Order by FEFO, Non pick location, no LUID, LUID

**Create proposal for picking**

If set, the system will create pick lists for the production orders. This will lock stock for this pick list (proposal). If ticked you can create proposals and pick lists for production orders with the same functionality as the pick lists for sales.

**Force all ingredients to be on a proposal before creating a pick list?**

If set, the system will check that all ingredients on of the production orders are available on an open proposal.

If not, a pick list cannot be created.

**2.3.56. Picklist Controller**

Extension: Picklist Controller - Controls the Picklist

**Ad Hoc Picking**

The following settings apply to the three tasks of the [Ad Hoc Picking Flow](#) (Customer Collect, Picklist and Route) on the Mobile Client.

If a setting is task specific, the documentation specifies the task(s) that the given setting applies to. If no task is specified, the given setting applies to all the three tasks.

### ***Route picking: picklist order by***

The setting applies to Ad Hoc Picking task Route and it defines the sorting of picklists.

From the drop-down menu the following options can be selected:

- Order by priority, due date and doc entry
- Order by sequence on route: forward
- Order by sequence on route: reverse

### ***Ad hoc picking: Keep picking the same item***

If the setting is enabled, the system keeps asking the user to pick the item until everything is picked for the given item.

If the setting is disabled, it is not necessary to pick everything for the selected item. When the quantity to pick is defined, the system goes back to the overview screen of all items and the picking process can be started for another item.

### ***Ad hoc: Auto fill pick quantity***

If the setting is enabled, the quantity to pick is displayed in the quantity input field of the *Enter the Quantity* screen. If the setting is disabled, the displayed quantity is 1.

Note: If the quantity to pick is less than 1, the displayed quantity in the quantity input field is the maximum quantity to pick.

### ***Ad hoc: Force to scan SSCC***

If the setting is enabled, an SSCC must be scanned when performing the picking.

### ***Allow ad hoc picking from bulk locations***

If the setting is enabled, items can be picked from bulk locations (non-pick locations) as well.

### ***Allow confirmation that all goods were picked***

The setting applies to Ad Hoc Picking task Customer Collect.

If the setting is enabled and the picklist does not contain any item managed by Produmex serial numbers, the *Confirm all picked goods* button is displayed on the Mobile Client and the user can confirm that all the items are loaded in one step.

### ***Allow to select a moveable location during ad hoc picking***

If the setting is enabled, a movable location can be used during the Ad Hoc Picking flow.

### ***Auto move SSCC on a customer-collected related move***

The setting applies to Ad Hoc Picking task Customer Collect.

If the setting is enabled, the SSCC is automatically moved to the dock.

If the setting is disabled, the system asks the user if the SSCC needs to be moved.

### ***Choose dock on ad hoc picking***

The setting applies to Ad Hoc Picking tasks Route and Picklist.

If the setting is enabled, the system asks the user to select a dock to pick to. The selected dock is then saved on the route or picklist.

### ***Express Ad Hoc Picking***

If the setting is enabled, the *Scan SSCC / Location* step is skipped. Instead, after selecting a product, the user has the following options:

- If the item is available on one single location, the system immediately asks the user to enter the quantity to pick.
- If the item is available on more than one location, the system first asks the user to select a location and then to enter the quantity to pick.

### ***Reason requirements when skipping first location***

The Ad Hoc Picking flow suggests a number of locations where the picking can be performed and the locations are sorted in a way that the first location is the best location to pick the items from. (Docks are not considered first locations.) If the user wants to pick from another location, this setting defines if a reason for skipping the first location is needed.

The following options can be selected from the drop-down menu:

- No reason
- Requires user-entered reason text: Free text, entered by user, minimum 10 characters
- Requires a reason to be selected from a list on the scanner

### ***Show stock for location***

The setting applies to Ad Hoc Picking task Picklist.

If the setting is enabled, the *Select a Pick Location* screen shows the free stock quantity of the selected item for each location listed on the screen.

### **Function/SP name to get the locations**

The setting refers to the function/stored procedure that is used to get the locations for Ad Hoc Picking.

Input parameters on SQL:

- @pmxWhsCode
- @itemCode
- @batchToPick
- @separator
- @pickListDocEntry

The input parameters can be checked in the PMX\_FN\_GetAllLocationsForItemForAdHocPicking standard function.

Input parameters on HANA:

- p\_pmxWhsCode
- p\_separator
- p\_pickListDocEntry

The input parameters can be checked in the PMX\_SP\_GetAllLocationsForItemForAdHocPickingInTmp standard stored procedure.

### **Function/SP name to get the location sequence**

The setting refers to the function/stored procedure that is used to get the sequence of the locations.

Input parameters on SQL:

- @pmxWhsCode nvarchar
- @itemCode nvarchar
- @batchToPick nvarchar

The input parameters can be checked in the PMX\_FN\_GetFirstSequenceForLocationsForItemForAdHocPicking standard function.

Input parameters on HANA:

- p\_pmxWhsCode nvarchar
- p\_pickListDocEntry

The input parameters can be checked in the PMX\_SP\_GetFirstSequenceForLocationsForItemForAdHocPicking standard stored procedure.

### **View name to get the products**

With the setting a separate view can be provided to get the products to be picked. Mandatory columns to be listed for a view:

- DocEntry
- PmxWhsCode

- ProductCode
- ProductDescription
- ManBtchNum
- HasBestBefore
- GTIN
- DefaultLocationCode
- BaseLine
- BaseEntry
- LocationCodes
- Sequence
- batchToPick
- StillToPick
- QuantityPerUom

If no value is entered, the system executes the standard query.

## General

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

WMS\_Demo (COMP) Empty = 52,58185

Code: COMP

Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality Statu | Reasons | 3PL Invoicin

Property: Picklist controller (PLCONTR)

Extension: Pick list controller - Controls the pick list (DPLCONTR)

Search Parameters

**General**

Allow multiple customers on SSCC? ☐

Allow to create master SSCC? (Y/N) ☐

Auto fill quantity for packaging types? ☐

Auto selection of moveable location during picking? (Y/N) ☐

Copy non-inventory items to reserve invoice? ☐

Disable selection of items? (Y/N) ☐

Force the user to pick full pallet? (Y/N) ☒

Make picklist ready before print? (Y/N) ☐

Only pick items on location on same or lower level as dock? (Y/N) ☐

Time to show 'item is picked' message? 0

Create replenishment orders after picking? (Y/N) ☐

JOIN-sql for custom wave description for scanner

Custom wave description fields for scanner

Ok Cancel Export Close

### **Allow multiple customers on SSCC?**

If the setting is enabled, the system will allow to put stock for multiple customers/delivery addresses on the same SSCC. This means that when you have a wave for multiple customers, the user is not forced to pick on a moveable location and going through the pack station.

### **Allow to create master SSCC (Y/N)**

If enabled, a master SSCC can be created. A master SSCC is a single logistic unit that contains multiple sub-logistic units.

### **Auto fill quantity for packaging types?**

If set to true, the quantity to pick will be automatically entered instead of a zero.

### **Auto selection of moveable location during picking? (Y/N)**

If the setting is enabled and there is one available moveable location, the system automatically selects the moveable location. In case of full pallets, no moveable location is used.

*Note: This setting does not apply to the Multi-Picking flow.*

### **Copy non-inventory items to reserve invoice?**

If set to true, the system will copy non-inventory items to the reserve invoice when creating reserve invoices from picklists.

### **Disable selection of items? (Y/N)**

- If the setting is set to "Y", it will not be possible to select items on flows. In this case, items must be scanned, regardless of the pick list controller configuration.
- If the setting is set to "N", item scanning behavior will follow the pick list controller setting.

### **Force the user to pick full pallet? (Y/N)**

The setting allows for defining whether or not the user will be forced to pick a full pallet of items that contains the same or a lower quantity than the quantity that has to be picked for the picklist.

Example: If a quantity of 60 has to be picked, and if a full pallet of 40 that answers the best before date and batch number criteria is available, this full pallet will be selected by the system for picking.

- Picking will occur by scanning the SSCC. The quantity will not be asked. The SSCC will remain the same as the original SSCC.
- If this is set to false, the user will need to pick it as 'item picking'.
- Consolidation does not allow picking full pallet.

Note:

- This setting does not apply when assigning stock to the picklist. This setting is only used after the stock is assigned to the pick list, and the user is going to pick the stock on the scanner.
- This setting takes priority over the *Only pick on 1 SSCC* setting. It is possible to end up with multiple SSCCs even if the *Only pick on 1 SSCC* setting is enabled.

### **Make picklist ready before print? (Y/N)**

If this setting is enabled, the 'Make pick list ready' functionality allocates stock on location level to the picklist when [the picklist is printed](#). If a pick list report needs to have the locations filled in, this option should be enabled.

This setting should be disabled if the *Do not lock stock on picking (picklists can be created even if no stock is available)* setting is enabled on the [General Settings tab of the Organizational Structure](#).

### **Only pick items on location on same or lower level as dock? (Y/N)**

If this setting is enabled, only stock that is located in locations that are in the same branch as the dock are allocated on the pick list. Other items from the picklist proposal that have no such stock will not be added to the picklist. The status of the created pick list will be Ready and the allocated stock is locked in 'Detail' level.

The 'same branch' means locations that are in the same Organizational Structure Element as the

dock.

(In plain terms, as with a family tree, e.g. 'siblings', 'nephews' or 'nieces' are defined as part of the same branch with the same or lower level, while 'cousins' and their descendants are not, as they are part of a different branch, despite being the same or lower level.)

Example:



- If the dock on the picklist proposal is the **MainDock**, then stock from bin locations **SubBin01**, **SubBin02** and **SubBin03** are available for allocation as the main dock is under the warehouse and the listed bins are located in zones that are under the warehouse.
- If the dock on the picklist proposal is the **SubDock01**, only the stock from bin locations **SubBin01** and **SubBin03** are available for allocation as **SubBin01** is in the same zone as the dock and **SubBin03** is in a zone that is under the zone of the dock.
- If the dock on the picklist proposal is the **SubDock02**, only the stock from bin location **SubBin02** is available for allocation as **SubBin02** is in the same zone as the dock.

This setting affects ONLY the creation of the picklist, i.e. if there is stock available to pick in the warehouse, the picklist proposal will be created. If only part of the available stock matches the criteria in the setting, then a partial picklist will be created, regardless of the SAP B1 “Allow partial delivery” setting. This is a limitation.

Sales Order

CustomerC00001

NameCustomer 1

Contact PersonLewis

Customer Ref. No.

Local Currency

Picklist Type

No. Primary18

StatusOpen

Posting Date06/13/23

Delivery Date06/13/23

Document Date06/13/23

ContentsLogisticsAccountingAttachments

Ship To1 Street

Customer 1Atlanta KY 456789 USA

Bill To1 Street

Customer 1Atlanta KY 456789 USA

Shipping Typemanual Shipping

☐ Print Picking Sheet

LanguageEnglish

☐ Procure Non Drop-Ship Items

☒ Procure Drop-Ship Items

☒ Approved

☐ Allow Partial Delivery

Pick and Pack Remarks

BP Channel Name

BP Channel Contact

Sales Order

CustomerC00001

NameCustomer 1

Contact PersonLewis

Customer Ref. No.

Local Currency

Picklist Type

No. Primary18

StatusOpen

Posting Date06/13/23

Delivery Date06/13/23

Document Date06/13/23

ContentsLogisticsAccountingAttachments

#	Type	Item No.	Quantity	Unit Price	Disc...	Tax C...	Total (LC)	Whse	Distr. Rule	Partial Delivery	S...
1		ITEM01	40		0.000			01		<input checked="" type="checkbox"/>	Auto
2		ITEM02	50		0.000			01		<input checked="" type="checkbox"/>	Auto
3					0.000					<input checked="" type="checkbox"/>	manu

### ***Time to show 'item is picked' message?***

The number of seconds the 'item is picked' message is shown on the scanner:

Possible values:

- Negative values: The message is not shown.
- Value 0: The message will remain visible until the user clicks the 'OK' button
- Positive values: The message will remain visible for the entered number of seconds.

### ***Create replenishment orders after picking? (Y/N)***

If enabled, a replenishment order is generated after the picking is completed for the source location, if the following conditions are met:

- The location can be replenished
- There is a minimum quantity set for a picked item
- The stock for item on the location reaches the minimum quantity

The replenishment after picking is supported in the following flows:

- Picking
- Zone picking
- Multi picking
- Ad hoc picking

For the item based replenishment generator, system will try to create replenishment orders for all locations. The default replenishment generator will only try to create replenishment orders for the locations where goods were picked from.

### ***JOIN-sql for custom wave description for scanner***

If the 'Custom wave description fields for scanner' option contains fields that are not used in the default query, the user needs to define the JOIN query here.

This option cannot be used for pick list for production.

### **Example for JOIN-sql:**

```
join "OITM" on "OITM"."ItemCode" = "PMX_PLP"."ItemCode"
```

### ***Custom wave description fields for scanner***

Here the user has the possibility to enter a custom wave description that will be shown on the scanner. This text will be added to the select statement to select the waves on the Picking flow.

If the fields in the description are not on tables used by the default query, the option 'JOIN-sql for custom wave description for scanner' need to have the correct join to the table.

The standard available tables are:

- ORDR
- OUSR (*Picking, Multi-picking, Zone picking only*)
- PMX\_OSEL
- PMX\_OSWA
- PMX\_PLHE
- PMX\_PLLI (*Picking, Multi-picking, Zone picking only*)
- PMX\_PLPL
- PMX\_WAVE (*Picking, Multi-picking, Zone picking only*)
- PMX\_WALO (*Zone picking only*)



Make sure the selected fields are casted to nvarchar if required. To add the PMX\_PLHE.PickPackRemarks field for example, fill this in the input box :

```
CAST("PMX_PLHE"."PickPackRemarks" as nvarchar (2000))
```

This option cannot be used for pick list for production.

This setting is not applicable for the Box Pick and Pack and Zone Box Pick and Pack flows.

### Example for Custom wave description fields for scanner:

```
"OITM"."U_PMX_PITY"
```

JOIN-sql for custom wave description for scanner	join "OITM" on "OITM"."ItemCode" = "PMX_PLPL"."ItemCode"
Custom wave description fields for scanner	"OITM"."U_PMX_PITY"

### Multi-Picking

Organizational Structure - Produmex WMS Add-On 2021.06.00.3537

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | **Production** | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality Statu | Res

Property: Picklist controller (PLCONTR)  
Extension: Pick list controller - Controls the pick list (DPLCONTR)  
Search Parameters:

**Multi-picking**

Multi picking: Allow to select wave? (Y/N) ☐  
Multi picking: Set movable locations at start of picking? (Y/N) ☒

Ok Cancel Export Close

#### **Multi picking: Allow to select wave? (Y/N)**

When the setting is enabled, during Multi-Picking the user can select the wave instead of scanning a picklist.

#### **Multi picking: Set movable location at start of picking? (Y/N)**

When the setting is enabled, during Multi-Picking all the movable locations need to be assigned to a picklist before starting to perform the picking.

If the setting is disabled, the movable location is asked when the first item of a certain picklist is picked.

### All, except Ad Hoc Picking

Organizational Structure - Produmex WMS Add-On

Organizational Structure

TESTTRUNK (COMP) - Empty - 54

Search

CodeCOMP

NameTESTTRUNK

General

Defaults

Extension Parameters

Production

SSCC

Reports

Print Events

Zone Types

Page Sizes

PropertyPicklist controller (PLCONTR)

ExtensionPick list controller - Controls the pick list (DPLCONTR)

Search Parameters

All, except Ad hoc picking

Ad hoc alternate item? (Y/N)

Allow alternate stock to pick from bulk locations? (Y/N)

Allow cycle count on alternate picking? (Y/N)

Allow to identify the SSCC to pick on?

Allow to select the item to pick?

Alternate: Show locked quantity for current line? (Y/N)

Auto fill quantity (No packaging types)? (Y/N)

Auto select batch/BBD on picking?

Auto select the wave?

Can the user pick bulk quantity from bulk location? (Y/N)

Can the user pick bulk quantity from bulk location? (Y/N)

Can the user pick full pallet from bulk location? (Y/N)

Consolidate items to pick?

Copy batch number when selecting alternate item? (Y/N)

Force first available batch on selecting alternate item? (Y/N)

Item picking: Force user to scan SSCC when stock is on SSCC? (Y/N)

Must the user first pick full pallet from bulk location? (Y/N)

Skip screen to identify the pick location? (Y/N)

Stock order by

DEFAULT

Wave order by

Order by priority, due date, wave key (PriorityDueDateW

Only pick on 1 SSCC? (Y/N)

Select wave - View name

Pick items order by

Order by Full LUID, sequence, no location (FullLocationI

Pick items order by - Stored procedure name

PMX\_SP\_PickItemsOrderByLineNum

Ok

Cancel

Export

Close

Ad hoc alternate item? (Y/N)

- If this is set to false, the system will show a list of alternate items to choose from.
- If this is set to true, the system will allow the user to enter any data when performing alternate picking, and the system will check if the entered data is allowed.

If **Ad hoc alternate item? (Y/N)** set true, then the **Copy batch number when**

**selecting alternate item? (Y/N) and Force first available batch on selecting alternate item? (Y/N)** settings are not taken into account.

**Allow alternate stock to pick from bulk locations? (Y/N)**

By default, the setting is enabled and it makes it possible to pick alternate stock from bulk locations on the Mobile Client.

**Allow cycle count on alternate picking? (Y/N)**

If this option is enabled, the user has the possibility to perform a cycle count on the original pick location in case of alternate picking from a different location.

**Allow to identify the SSCC to pick on?**

If set to true, the system will allow the user to scan an SSCC number he wants to use to put the picked stock on.

**Allow to select the item to pick?**

Enables the option to select an item to pick instead of letting the system choose the first item.

**Alternate: Show locked quantity for current line? (Y/N)**

When this is checked, the system will also show the item that was locked for the current pick list line in the list of alternate items.

**Auto fill quantity (No packaging types)? (Y/N)**

If set to true, the quantity to pick will be automatically entered.

If set to false, the quantity to pick will be zero. And in case a barcode was scanned in the item identification screen, the quantity will be 1, because there was already an item scanned.

This is for items without packaging types.

**Auto select batch/BBD on picking?**

Enables the option to automatically select a Batch/BBD.

**Auto select the wave?**

- If this setting is enabled, then the system only displays the first wave on the **Select Wave** screen. The sorting is based on the **Wave Order** by setting. The status of pick lists in the wave is automatically set to "Ready" upon loading, before the user proceeds with the wave.
- If this setting is disabled, all available waves are listed on the screen.

**Note:** This setting does not apply in the Multi-Picking flow if the Multi-Picking: **Allow to select the wave?** setting is disabled. This setting does not apply in the Box Pick and Pack, in the Zone Box Pick and Pack, and in the Prepare Carts flows.

**Can the user pick bulk quantity from bulk location? (Y/N)**

If the setting is enabled, the user can pick bulk quantities defined on the item master data from bulk locations, see description of [Bulk Pick Quantity](#) setting.

**Can the user pick full pallet from bulk location? (Y/N)**

Normally bulk locations are not considered when allocating stock to a pick list. However this flag makes it possible that full monolot pallets at bulk locations (containing items that match the best before date and batch number criteria) can be picked by the operator.

The sorting of the stock to use depends on this setting and the option 'Must user first pick full pallet

from bulk'.

More information at: [Pick list](#).

### **Consolidate items to pick?**

If the setting is enabled, items that have the same batch number/BBD/Quality status/Location/... are picked in one action instead of a pick action by picklist line.

- The setting applies to the Picking flow, the Multi-Picking flow and the Zone-Picking flow.

In order to consolidate, items must have the same Unit of Measurement (UoM) and item description on the Sales Order. Picklist lines with different UoMs or linked to Sales Order lines with different item descriptions will not be consolidated.

When this setting is enabled, it is possible to pick full pallets. However, full pallets will only be allocated based on Sales Order lines. The system will not allocate a full pallet for the consolidated quantity. This means that if the logistic unit to pick from is different, the lines will not be consolidated.

#### **Example:**

**1 Picklist line for 5 pieces of ITEM01 + 1 Picklist line for 3 pieces of ITEM01.**

**Stock:** 5 pieces on **LU01** and 8 pieces on **LU02**, both full pallets.

The system will not allocate **LU02** as a full pallet. Instead, it allocates **LU01** as a full pallet for the Picklist line with 5 pieces and allocates **LU02** for the other line with 3 pieces, but NOT as a full pallet.

**EXCEPTION:** If multiple sub-SSCCs (Serial Shipping Container Codes) are allocated under the same master SSCC for a Sales Order line, the line will be consolidated on the Items to Pick screen. Instead of displaying the sub-SSCCs, the master SSCC will be shown as the full pallet.



### **Copy batch number when selecting alternate item? (Y/N)**

This setting ensures that users can only select stock from the batch specified in the Picklist. The Alternate Stock feature will only show stock from the same batch as listed in the Picklist.

**Remark:** If on the base document line a batch number is set, the batch will be copied when selecting alternate items.

#### **Copy batch number when selecting alternate item? (Y/N) vs Force first available batch on selecting alternate item? (Y/N)**

If the first available batch is not the same as the batch on the Picklist, then the batch on the Picklist will be forced, so the **Copy batch number when selecting alternate item** setting is enforced and the **Force first available batch on selecting alternate item setting** is not taken into account.

**Force first available batch on selecting alternate item? (Y/N)**

This setting refers to the process of selecting alternate stock on the fat client during a picking flow and it is based on FEFO (first expired, first out).

- If it is set to true, you can select an item only from the batch with the earliest expiry date that is according to the shelf-life.  
This option cannot be used in combination with *Ad hoc alternate item? (Y/N)*.
- If that setting is enabled, the *Force first available batch on selecting alternate item? (Y/N)* setting is ignored.

**Item picking: Force user to scan SSCC when stock is on SSCC? (Y/N)**

When this setting is enabled, the user will have to scan the SSCC if the stock he is picking is on an SSCC.

This setting refers to 'Item picking' and not full pallet picking.

It will show an additional screen to scan the SSCC before proceeding to selection of batch, or entering the quantity. *Note: This setting does not apply to the Box Pick and Pack and the Zone Box Pick and Pack flows.*

**Must the user first pick full pallet from bulk location? (Y/N)**

Normally bulk locations are not considered when allocating stock to a pick list. However this flag makes it possible that full monolot pallets at bulk locations (*containing items that match the best before date and batch number criteria*) can be picked by the operator.

This setting affects the sorting of the stock to use if the "Stock Order By" setting is **DEFAULT**.

Note: If the 'Must the user pick full pallet from bulk location' and 'Can the user pick bulk quantity from bulk location' checkboxes are enabled then these options forces to first take larger quantity stock from a bulk location before using pick locations.

The [Bulk Pick Quantity](#) can be modified on 'Item Master Data'.

More information at: [Pick list](#).

**Skip screen to identify the pick location? (Y/N)**

When this is enabled, the user does not need to identify the pick location.

Users can immediately identify the item to pick. (*The pick location is visible in that screen*)

**Stock order by**

Custom 'ORDER BY' clause for when the pick list is allocating stock to the pick list line.

*This is not applicable for ad hoc picking*

It adds the value to the ORDER BY clause of the query to get the stock. The text 'ORDER BY' does not need to be added to the value.

Any text can be entered here, however there are 2 predefined options:

- \*DEFAULT\*
  - This option will use the sorting as it is currently in the system
- \*BIGGEST PALLET FIRST\*
  - The pallet with the biggest quantity will be assigned first.
  - If there are 2 pallets with the same quantity, the oldest LUID will be taken first. \\When stock is not on an SSCC, the quantity not on an SSCC is still regarded as if it would be on an SSCC, and it will be used first in case of equal quantity.
- "Quantity", "IsPickLoc" DESC, "LogUnitIdentKey\_IsNull" DESC, "LogUnitIdentKey", "InternalKey"
  - This option will take lowest quantity, pick location, no LUID, LUID

For more information please see: [1.2. Stock order by](#).

### **Wave order by**

Sorting of waves on the picking flows

Options:

- Order by Priority, due date, wave key
- Order by due date, priority, wave key

The sorting also considers whether the wave is locked to a user. Locked waves are always prioritized.

**The “Order by” is the following in the query:**

```
ORDER BY "PMX_WAVE"."LockedBy" DESC, "PMX_WAVE"."Priority",
"PMX_WAVE"."DueDate", "PMX_WAVE"."InternalKey"

ORDER BY "PMX_WAVE"."LockedBy" DESC, "PMX_WAVE"."DueDate",
"PMX_WAVE"."Priority", "PMX_WAVE"."InternalKey"
```

**Note:** For wave order priority make sure to use the 'Order by Priority, due date, wave key' settings and the priority needs to be set at picklist proposal and picklist level as well for the correct order.



### **Only pick on 1 SSCC? (Y/N)**

If enabled, the system will auto select an SSCC when there was already an SSCC created for the wave. This is useful for when users need to go out of the picking flow, and continue at a later time.

### **Select wave - View name**

It is possible to define a customized view which filters the list of waves to be displayed on your scanner when you have the option of selecting a wave.

It is optional to provide a view name to the field . If you do not need a customized view, you can leave the field empty and the system will use its own query.

Mandatory fields:

- InternalKey
- InternalKeyAsString
- DueDate
- Description
- Priority
- SameDelivery
- PmxWhsCode
- ItemLabelsPrinted
- LockedBy
- USER\_CODE
- U\_UseForPicking
- U\_UseForMultiPicking

Example view query:

```
SELECT "PMX_WAVE"."InternalKey" AS "InternalKey",
```

```

CAST("PMX_WAVE"."InternalKey" AS NVARCHAR) AS "InternalKeyAsString",
"PMX_WAVE"."DueDate" AS "DueDate",
"PMX_WAVE"."Description" AS "Description", "PMX_WAVE"."Priority",
"PMX_WAVE"."SameDelivery", "PMX_OSEL"."PmxWhsCode",
"PMX_WAVE"."ItemLabelsPrinted"
,"PMX_WAVE"."LockedBy", "OUSR"."USER_CODE", MAX("U_UseForPicking") AS
'U_UseForPicking',
MAX("U_UseForMultiPicking") AS 'U_UseForMultiPicking'
FROM "PMX_WAVE" WITH (NOLOCK)
INNER JOIN "PMX_PLHE" WITH (NOLOCK) ON "PMX_WAVE"."InternalKey" =
"PMX_PLHE"."WaveKey"
INNER JOIN "PMX_OSEL" WITH (NOLOCK) ON "PMX_OSEL"."Code" =
"PMX_PLHE"."DestStorLocCode"
LEFT JOIN "@PMX_PLTY" WITH (NOLOCK) ON "PMX_PLHE"."PickListType" =
"@PMX_PLTY"."Code"
LEFT JOIN "OUSR" WITH (NOLOCK) ON "PMX_WAVE"."LockedBy" =
"OUSR"."INTERNAL_K"
LEFT JOIN ( "PMX_PLLI" WITH (NOLOCK)
INNER JOIN "PMX_PLPL" WITH (NOLOCK) ON "PMX_PLPL"."DocEntry" =
"PMX_PLLI"."BaseEntry" AND "PMX_PLPL"."LineNum" = "PMX_PLLI"."BaseLine" AND
"PMX_PLLI"."BaseType" = N'PMX_PLPH'
LEFT JOIN "PMX_OSWA" WITH (NOLOCK) ON "PMX_OSWA"."Code" =
"PMX_PLLI"."StorLocCode"
) ON "PMX_PLLI"."DocEntry" = "PMX_PLHE"."DocEntry" AND "PMX_OSWA"."Code" IS
NULL
AND "PMX_PLLI"."PickListLineStatus" IN ('N','R')

WHERE "PMX_WAVE"."InternalKey"
IN ( SELECT DISTINCT "PMX_PLHE"."WaveKey" FROM "PMX_PLHE" WITH (NOLOCK)
WHERE "PickListStatus" IN ('N' , 'R' , 'A' , 'I' ))
AND "IsCustomerCollect" = N'N' AND "PMX_PLLI"."InvLockLevel" <> 'N'
AND "PMX_PLHE"."PickObjType" IN (N'Sales', N'WhsTransfer')

GROUP BY "PMX_WAVE"."LockedBy", "PMX_WAVE"."Priority",
"PMX_WAVE"."DueDate", "PMX_WAVE"."InternalKey", "PMX_WAVE"."Description",
"PMX_WAVE"."SameDelivery", "PMX_WAVE"."ItemLabelsPrinted",
"PMX_OSEL"."PmxWhsCode", "OUSR"."USER_CODE"

```

### Pick items order by

You can define how the items to pick are sorted on the scanner. Options:

- Order by Full LUID, sequence, no location: First full pallet, then the sequence of the location, then all lines without a location.
- Order by Full LUID, picked item, location code: First full pallets, then picked items, then location code. This means that when ItemA and ItemB needs to be item-picked on several locations, the system will first pick all quantities of ItemA, regardless of where it is stored. (*Full pallets are still picked first*)
- Order by Sequence, Location code, Full LUID, : First Sequence of the location, then the code of the location, then full pallets.
- Order by Custom stored procedure: The sorting is based on a custom SP.

It uses the SP defined in the setting below.

Note: Consolidation does not allow picking full pallet.

### **Pick items order by - Stored procedure name**

The name of the stored procedure that is used for the custom order by.

Used for the picking and zone picking flow.

The input of this stored procedure is the wave key. *SQL: @waveKey, HANA: p\_waveKey*

If this SP does not return all line numbers to pick, the system will still add those lines to be picked, but in the order:

- Order by Full LUID, sequence, no location.

## **Packing**

### **Time to show pick/pack remarks on packing?**

The number of seconds the pick/pack remarks are shown in a popup window in the packaging client:  
Possible values:

- Negative values: The message is not shown.
- Value 0: The message will remain visible until the user clicks the 'OK' button
- Positive values: The message will remain visible for the entered number of seconds.

## **Picking**



Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality Status | Reasons | 3PL Invoicing

Property: Picklist controller (PLCONTR)  
Extension: Pick list controller - Controls the pick list (DPLCONTR)  
Search Parameters:

**Packing**

Time to show pick/pack remarks on packing? -1

**Picking**

Make pick list ready for selected line? (Y/N) ☐  
Picking: Keep picking same location? (Y/N) ☐

**Prepare carts**

Wave - View name: PMX\_PREPARE\_CARTS\_WAVE  
Wave - Order by: "PMX\_PREPARE\_CARTS\_WAVE"."Priority", "PMX\_PREPARE\_CARTS\_WAV"  
Pick list - Order by: "PMX\_PLHE"."Priority", "PMX\_PLHE"."DueDate", "PMX\_PLHE"."DocEntry"

**Zone Picking**

Lock wave by zone/user (Zone picking) ☐  
Only show completely unlocked waves in case of zone picking? ☐

Ok Cancel Export Close

### ***Make pick list ready for selected line? (Y/N)***

If enabled, the status of the pick list lines remain 'Not Ready' and the system does not allocate stock to them up until the user selects the item on the scanner. This setting is used only in the Picking flow.

### ***Keep picking same location (Y/N)***

When this is set to true, the system will not ask the user to identify the pick location again when the next item to pick is in the same location.

### **Prepare Carts**

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameters | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes | Quality Status | Reasons | 3PL Invoicing

Property: Picklist controller (PLCONTR)  
Extension: Pick list controller - Controls the pick list (DPLCONTR)  
Search Parameters:

**Packing**  
Time to show pick/pack remarks on packing? -1

**Picking**  
Make pick list ready for selected line? (Y/N) ☐  
Picking: Keep picking same location? (Y/N) ☐

**Prepare carts**  
Wave - View name: PMX\_PREPARE\_CARTS\_WAVE  
Wave - Order by: "PMX\_PREPARE\_CARTS\_WAVE"; "Priority"; "PMX\_PREPARE\_CARTS\_WAV"  
Pick list - Order by: "PMX\_PLHE"; "Priority"; "PMX\_PLHE"; "DueDate"; "PMX\_PLHE"; "DocEntry"

**Zone Picking**  
Lock wave by zone/user (Zone picking) ☐  
Only show completely unlocked waves in case of zone picking? ☐

Ok Cancel Export Close

### **Wave - View name**

This view defines the waves to be displayed on the screen of the fat client.  
The default view is PMX\_PREPARE\_CARTS\_WAVE. It lists all the waves which involves a pick list type that can be used for multi-picking and to which no movable location has been assigned yet.

Mandatory fields to be provided:

- 1.WaveKey
- 2.Priority
- 3.WaveDescription

### **Wave - Order by**

This setting defines the order by which the waves are displayed on the screen of the fat client.

### **Pick list - Order by**

This setting defines the order by which the pick lists are displayed on the screen of the fat client.

### **Zone Picking**

### ***Lock wave by zone/user (Zone picking)***

If the setting is enabled, the system locks all items to pick on the zone for the current user instead of only locking the item/zone he is picking from.

This is used in the Zone Picking flow.

### ***Only show completely unlocked waves in case of zone picking?***

If the setting is enabled, the user can only see those waves in the Zone Picking flow that have no locking for the user.

## **2.3.57. Picklist Proposal Generator**

### **(1) Extension: Picklist Proposal Generator - Generates Picklist Proposals**



### ***Add empty rows for items with insufficient stock? (Y/N)***

If set, the system will add rows with quantity = 0 to the proposal when there is no stock available. This can be used to quickly see if all stock is available.

### ***Add empty rows for items with quantity to reserve zero? (Y/N)***

If set, the system will add rows with quantity = 0 to the proposal when there is nothing to reserve. This can be used to quickly see if all stock is available. Useful in custom proposal generator.

### ***Allow broken-up (incomplete) sales-item BOM's? (Y/N)***

If the setting is enabled, the system adds components from a BoM when there is one or more component missing, that is, the system allows for selling an incomplete item (for example a desk lamp without a shade). The check is done based on the original BoM.

If the setting is disabled, those BoMs are not included in the picklist proposal for which there is not enough stock to fully complete them.

### **Base document - order by**

When proposals are made, it is possible to do this for several orders in one time.

The system will group them by customer, ship to, and pick list type and item pick list types.

This option is to sort those orders within the same group.

Options:

- Order by doc due date,
- Order by line delivery date, doc entry,
- Order by doc entry

### **Calculate stock status for expired stock (=slower creation)? (Y/N)**

For a new database, the default value is set to No.

For existing databases where Produmex WMS is already installed, the default is set to Yes. It means that the system calculates the stock status for expired stock and will display the data in the *Full stock* and *Stock compliant shelf life* on the *Pick List Proposal* screen.

If it is set to No, the stock status is not calculated. As a result, no data will be displayed in the *Full stock* and *Stock compliant shelf life* on the *Pick List Proposal* screen.

### **Force the proposed batch? (Y/N)**

When this option is set to true, the batch the system proposes will be forced. This is used on ad hoc picking, in combination with the option 'Allow multiple batches' on a document line. When both are true, ad hoc picking can only pick from that batch, instead of any batch.

### **Prioritize pick locations over bulk locations? (Y/N)**

If the setting is enabled and the Stock order by setting is set to Order by FEFO (FEFO\_PickLocation), Produmex WMS chooses batches first in the pick locations even if the item has batches in bulk locations that expire first. Produmex WMS will use FEFO when selecting a batch from pick locations.

Produmex WMS selects batches from bulk locations only if there is no more available batch for that item in pick locations. When switching to bulk locations, WMS will use FEFO to select the next available batch.

Note: If the Stock order by setting is set to an option different from Order by FEFO (FEFO\_PickLocation), the Prioritize pick locations over bulk locations? setting is not applicable.

### **Serial numbers stock order by**

This option handles what stock should be taken first to put on the proposal, for serial numbered items with track location.

Options:

- Use default order by  
*The sorting of stock to allocate for serial numbered items with track location is the one defined in the "Stock order by" option.*
- Order by serial numbers (alphanumerical)  
*The sorting of stock to allocate for serial numbered items with track location is: Oldest serial number found on LUID (serial numbers are sorted alphanumerically). The allocation is done on item-batch-LUID level.*

### **Show pick list proposal info screen on incomplete proposal? (Y/N)**

When this option is set to true, an additional screen will be shown after creating a proposal, and not all stock is on the pick list proposal.

The screen will show the information why not all stock was on a proposal.

### **Show proposals with pick lists on open doc. report? (Y/N)**

When this option is set to false, the open documents report for pick list proposals will not show proposals that have already a pick list.

### **Stock order by**



This option handles what stock should be first put on the proposal. The process makes use of bin locations from the entire warehouse, even if they are not marked as pick locations. For example, FEFO chooses the first expiring batch from the entire warehouse even if the batch is on a bulk location.

#### **Options:**

- Order by FEFO (FEFO\_PickLocation)  
*The sorting of stock to allocate is: Expiry date, Batch number, batchnumber2. The allocation is done on item-batch level.*
- Order by FEFO Itri (FEFO\_ITRI\_PickLocation)  
*The sorting of stock to allocate is: Expiry date, Batch ID. The allocation is done on item-batch level.*
- Order by LUID (LUID)  
*The sorting of stock to allocate is: Has LUID, LUID, Expiry date, Batch number, batchnumber2. The allocation is done on item-batch-LUID level.*
- Order by Bulk, Full LUID, LUID, BBD, Itri  
*The sorting of stock to allocate is: Non Pick location, Is full pallet, Has LUID, LUID, Expiry date, Itri. The allocation is done on item-batch-LUID level.*
- Order by Bulk, Full LUID, BBD, Itri, LUID  
*The sorting of stock to allocate is: Non Pick location, Is full pallet, Expiry date, Itri, Has LUID, LUID. The allocation is done on item-batch-LUID level.*
- Order by Customization (CustomizedCode)  
*The sorting of stock to allocate is: by a custom SQL query part added into the "Stock order by Customization" field by the user.*

The **"Stock order by Customization"** is only pliable to batch managed items. For Serial Numbers the stock order by method did not change, the standard **"Serial Number"** parameter continues to govern stock allocation.

#### **Order by Customization (CustomizedCode) in details:**

In addition to this setting the end of the following SQL query must be added into the "Stock order by Customization" field.

## Example for testing

This SQL query is just an example for testing purposes. If the user wants to test the added custom query parts in SQL Management Studio, HANA Studio or any other way, it can be done with this query.

It also contains useful comments for testing.

The end of the query should be written by the user and that is the part which should be added to the "Stock order by Customization" field.

Produmex WMS uses similar but dynamically generated query to retrieve free stock information. That query will be extended with the content of the "Stock order by Customization" field, so the user can use JOIN, WHERE, ORDER BY and almost every other SQL keywords in the custom sql query part.

### There is one restriction.

**The query can't result in a larger dataset, so the result of the query should contain the same records or a subset of those records but can't contain new records, not even with JOINS.**

```
-- BEGINNING OF TESTING EXAMPLE, DON'T PUT THIS INTO THE "Stock order by
Customization" field
SELECT FREESTOCK.* FROM
(
SELECT SUM(PMX_FREE_STOCK."FreeQuantityDetail") AS "Quantity"
, SUM( CASE WHEN OITM."U_PMX_DQU2" = 0 THEN 0 ELSE
PMX_FREE_STOCK."FreeQuantityDetail" / OITM."U_PMX_DQU2" END ) AS
"QuantityUom2"
, PMX_FREE_STOCK."ItemCode"
, OITM."ItemName"
, PMX_FREE_STOCK."QualityStatusCode"
, PMX_FREE_STOCK."Uom"
, PMX_ITRI."BatchNumber"
, CASE WHEN PMX_ITRI."BatchNumber" IS NULL THEN 1 ELSE 0 END AS
"BatchNumber_IsNull"
, PMX_ITRI."InternalBatchNumber" AS "BatchNumber2"
, CASE WHEN PMX_ITRI."InternalBatchNumber" IS NULL THEN 1 ELSE 0 END AS
"BatchNumber2_IsNull"
, PMX_ITRI."BestBeforeDate"
, CASE WHEN PMX_ITRI."BestBeforeDate" IS NULL THEN 1 ELSE 0 END AS
"BestBeforeDate_IsNull"
, PMX_FREE_STOCK."ItemTransactionalInfoKey"
, CASE WHEN PMX_FREE_STOCK."ItemTransactionalInfoKey" IS NULL THEN 1
ELSE 0 END AS "ItemTransactionalInfoKey_IsNull"
, 'MyCustomerCardCode' AS "ProcessingCardCode" -- replace the constant
value with the code of an existing Business Partner
, '17' AS "ProcessingDocType" -- the constant value here refers to Sales
Order
, 11 AS "ProcessingDocEntry" -- this constant value is the identifier
```

```

(DocEntry) of an existing (Sales Order) document
, 0 AS "ProcessingLineNum" -- this constant value indicates the given
line of the document
FROM PMX_FREE_STOCK
INNER JOIN OITM ON PMX_FREE_STOCK."ItemCode" = OITM."ItemCode"
LEFT JOIN PMX_ITRI ON PMX_FREE_STOCK."ItemTransactionalInfoKey" =
PMX_ITRI."InternalKey"
WHERE 1=1
AND PMX_FREE_STOCK."ItemCode" = 'MyItemCode' -- replace the constant
value with the ItemCode that appears in the line of the marked document
AND PMX_FREE_STOCK."QualityStatusCode" IN (SELECT "Code" FROM PMX_QYST
WHERE PMX_QYST."CanBeShipped" = 'Y')
GROUP BY PMX_FREE_STOCK."ItemCode"
, OITM."ItemName"
, PMX_FREE_STOCK."QualityStatusCode"
, PMX_FREE_STOCK."Uom"
, PMX_ITRI."BatchNumber"
, PMX_ITRI."InternalBatchNumber"
, PMX_ITRI."BestBeforeDate"
, PMX_FREE_STOCK."ItemTransactionalInfoKey"
HAVING SUM(PMX_FREE_STOCK."FreeQuantityDetail") > 0
)
AS FREESTOCK
-- END OF TESTING EXAMPLE WHICH SHOULDN'T BE PUT INTO THE "Stock order
by Customization" field

-- HERE IS THE PLACE OF THE CUSTOM SQL QUERY PART,
-- WHICH SHOULD BE CREATED AND ADDED TO THE "Stock order by
Customization" field

-- There is one restriction.
-- The query can't result in a larger dataset, so the result of the
query
-- should contain the same records or a subset of those records
-- but can't contain new records, not even with JOINS.

```

**The query will return the following columns that can be operated on, so you can use these columns by default:**

```

"Quantity"
"QuantityUom2"
"ItemCode"
"ItemName"
"QualityStatusCode"
"Uom"
"BatchNumber"
"BatchNumber_IsNull"
"BatchNumber2"
"BatchNumber2_IsNull"
"BestBeforeDate"
"BestBeforeDate_IsNull"

```

```
"ItemTransactionalInfoKey"  
"ItemTransactionalInfoKey_IsNull"  
"ProcessingCardCode"  
"ProcessingDocType"  
"ProcessingDocEntry"  
"ProcessingLineNum"
```

If you need any other column, you can join other tables and use their columns.

### ***Try to group items on 1 proposal***

When this is checked the system will try to group the items on 1 proposal. This means that each time a proposal is being made, it will try to close the existing one (If no pick list has been created yet), and create a new one for all remaining items.

When this is not checked, the system will always try to create a new proposal.

**For more information about the topic please visit the following site: [Group Picklist Proposals](#).**

### ***(2) Extension: Picklist Proposal Generator - Generates Picklist Proposals Grouped by Customer-Address***

If multiple sales orders are selected for the same customer/address, they are grouped into one proposal.



### ***Add empty rows for items with insufficient stock? (Y/N)***

If set, the system will add rows with quantity = 0 to the proposal when there is not enough stock available. This can be used to quickly see if all stock is available.

### ***Add empty rows for items with quantity to reserve zero? (Y/N)***

If set, the system will add rows with quantity = 0 to the proposal when there is nothing to reserve. This can be used to quickly see if all stock is available.

### ***Allow broken-up (incomplete) sales-item BOM's? (Y/N)***

If set, the system will not add components from a BOM when there is one or more component missing.

### ***Base document - order by***

When proposals are made, it is possible to do this for several orders in one time.

This option is to sort those orders.

Options:

- Order by doc due date,
- Order by line delivery date, doc entry,
- Order by doc entry



**Calculate stock status for expired stock (=slower creation)? (Y/N)**

For a new database, the default value is set to No.

For existing databases where Produmex WMS is already installed, the default is set to Yes. It means that the system calculates the stock status for expired stock and will display the data in the columns *Full stock* and *Stock compliant shelf life* on the *Pick List Proposal* screen.

If it is set to No, the stock status is not calculated. As a result, no data will be displayed in columns *Full stock* and *Stock compliant shelf life* on the *Pick List Proposal* screen.

**Force the proposed batch? (Y/N)**

When this option is set to true, the batch the system proposes will be forced. This is used on ad hoc picking, in combination with the option 'Allow multiple batches' on a document line. When both are true, ad hoc picking can only pick from that batch, instead of any batch.

**Prioritize pick locations over bulk locations? (Y/N)**

If the setting is enabled and the Stock order by setting is set to Order by FEFO (FEFO\_PickLocation), Produmex WMS chooses items with batch number first in the pick locations even if the item with batch number in bulk locations expire first. Produmex WMS selects items with batch numbers from bulk locations only if there is no item with batch number in the pick locations.

Note: If the Stock order by setting is set to an option different from Order by FEFO (FEFO\_PickLocation), the Prioritize pick locations over bulk locations? setting is not applicable.

**Serial numbers stock order by**

This option handles what stock should be taken first to put on the proposal, for serial numbered items with track location.

Options:

- Use default order by  
*The sorting of stock to allocate for serial numbered items with track location is the one defined in the "Stock order by" option.*
- Order by serial numbers (alphanumeric)  
*The sorting of stock to allocate for serial numbered items with track location is: Oldest serial number found on LUID (serial numbers are sorted alphanumerically). The allocation is done on item-batch-LUID level.*

**Show pick list proposal info screen on incomplete proposal? (Y/N)**

When this option is set to true, an additional screen will be shown after creating a proposal, and not all stock is on the pick list proposal.

The screen will show the information why not all stock was on a proposal.

**Show proposals with pick lists on open doc. report? (Y/N)**

When this option is set to false, the open documents report for pick list proposals will not show proposals that have already a pick list.

**Stock order by**

This option handles what stock should be first put on the proposal. The process makes use of bin locations from the entire warehouse, even if they are not marked as pick locations. For example, FEFO chooses the first expiring batch from the entire warehouse even if the batch is on a bulk location.

Options:

- Order by FEFO (FEFO\_PickLocation)  
*The sorting of stock to allocate is: Expiry date, Batch number, batchnumber2.*

*The allocation is done on item-batch level.*

- Order by FEFO ITRI (FEFO\_ITRI\_PickLocation)

*The sorting of stock to allocate is: Expiry date, Batch ID. The allocation is done on item-batch level.*

- Order by LUID *The sorting of stock to allocate is: Has LUID, LUID, Expiry date, Batch number, batchnumber2.*

*The allocation is done on item-batch-LUID level.*

- Order by Bulk, Full LUID, LUID, BBD, Itri

*The sorting of stock to allocate is: Non Pick location, Is full pallet, Has LUID, LUID, Expiry date, Itri.*

*The allocation is done on item-batch-LUID level.*

- Order by Bulk, Full LUID, BBD, Itri, LUID

*The sorting of stock to allocate is: Non Pick location, Is full pallet, Expiry date, Itri, Has LUID, LUID.*

*The allocation is done on item-batch-LUID level.*

### **Try to group items on 1 proposal**

When this is checked the system will try to group the items on 1 proposal. This means that each time a proposal is being made, it will try to close the existing one (If no pick list has been created yet), and create a new one for all remaining items.

When this is not checked, the system will always try to create a new proposal.

**For more information about the topic please visit the following site: [Group Picklist Proposals](#).**

## **2.3.58. Picklist Proposal Manager Screen Controller**

### Extension: Controller for the Picklist Proposal Manager Screen

This controller holds the configuration for the Picklist Proposal Manager Screen.

The screen supports custom views that are used to show data on the screen.

This can be used when customers want additional info on the screen.

But that custom view will have some fields that are required.



### **Production**

#### **Grid localization key (Production info)**

The translation key that is used to translate the grid on the screen for document type 'Production'

#### **Order by (Production info)**

The order by clause for the query for document type 'Production' *This option is not supported yet by the Pick list proposal manager.*

**View name (Production info)**

The view used for document type 'Production'.

The view can be customized, but the following fields are required:

- ObjType
- DocEntry
- WhsCode
- ItemCode
- ItmsGrpCod
- CardCode
- DocDueDate

**Sales order****Grid localization key (Sales order info)**

The translation key that is used to translate the grid on the screen for document type 'Sales'

**Order by (Sales order info)**

The order by clause for the query for document type 'Sales order'

**View name (Sales order info)**

The view used for document type 'Sales order'.

The view can be customized, but the following fields are required:

- ObjType
- ObjTypeString
- DocEntry
- LineNum
- WhsCode
- ItemCode
- ItmsGrpCod
- CardCode
- DocDueDate

**Whs transfer****Grid localization key (Transfer info)**

The translation key that is used to translate the grid on the screen for document type 'Transfer'

**Order by (Inv. transfer info)**

The order by clause for the query for document type 'Transfer'

**View name (Inv. transfer info)**

The view used for document type 'Transfer'.

The view can be customized, but the following fields are required:

- ObjType
- ObjTypeString
- DocEntry
- LineNum

- ToWhsCode
- WhsCode
- ItemCode
- ItmsGrpCod
- CardCode
- DocDueDate

### 2.3.59. Production Controller

#### Extension: Production Controller - Controls Production Orders



##### ***Allow starting production order on production receipt flow? (Y/N)***

The normal process using the production manager, is to start the production order on the production manager. On the production receipt flow, only started production orders are shown.

If this is set to true, the user will be able to start the production order on the production receipt flow. If there are locations that need to be lined up, the system will only line them up if on the item master data the option to auto line up has been set. Otherwise the lined up locations will need to be set on the production manager.

##### ***Allow to move stock to prod. line from rest location? (Y/N)***

By default the stock is moved from the input to the production line. By setting this option to true, the user can also move stock from the rest location to the production line.

##### ***Auto fill consumed qty from prepared qty on stop production? (Y/N)***

This option is used in the production flow with immediate consumption. If components have been prepared (Weighed, ...) and it is not for the theoretical quantity, but within the tolerance, the system will fill in the prepared quantity, instead of the theoretical quantity.

##### ***Auto move all linked items to BOM? (Y/N)***

If this is set to true, all items that are on the production order line will be moved from the input location to the production line when selecting the production order on the device. This will move all quantities for those items.

##### ***Automatically close production orders on completion? (Y/N)***

If this is set to true, the production order will be closed when all planned quantity for the production order has been reached.

This is used in the ProductionFlow and ProductionReceiptFlow.

##### ***Confirm produced quantity after production? (Y/N)***

If this is set to true, the user will need to confirm the quantity he has entered to produce if it deviates from the allowed quantity. The allowed quantity in this case means the **Default production quantity** on the **Item Master Data**.

- The default quantity on a produced logistic unit. This setting is used in combination with the *Split produced quantity into logistic units of default size* setting on the production controller.

The system will show the product description + quantity on the screen to confirm.

The **Confirm produced quantity after production** setting can be affected by the **Allowed production deviation (%)** option as well on the **Item Master Data**.

**Hide move all item buttons? (Y/N)**

If this option is enabled, when adding the items to use in the production client, there is only the possibility of 'Move an item' instead of 'move an item', move all items linked to the production order' and 'move all items'.

**Skip consumption screen on flow for linked components?**

If this is set to true, all screens for consumption on the production flow for items that are prepared (Weighed, ...) will be skipped.

**Split produced quantity into logistic units of default size**

If this is set to true, the system will create a number of logistic units, based on the default quantity defined on the item master data. If the default quantity for production is set, the system will take that quantity, otherwise the default quantity is used.

**Use waste? (Y/N)**

When producing, it is possible to enter waste quantities. When set to true, the user will be able to set waste quantities when producing according to 'Production with immediate consumption'.

**Allow waste to be editable when finishing production on production manager?**

If this is set to true, the user will be able to also edit the columns for the waste quantity. This option is used on the production manager.

**Print labels for open partial weighing when doing 'Complete weighing'**

When there is still open quantity and the user presses 'Complete weighing', do labels need to be printed?

Options:

- Yes
- No
- Ask

**Proceed with current production order after entering quantity on prod. receipt flow?**

The user can proceed with the current production order on the production receipt flow when this option is enabled.

When this option is enabled, the production flow will go to the screen to enter quantity/serial numbers after a logistic unit has been created instead of going to the selection of production order screen.

**Stock row limitation on stop PRD (PRD manager)**

The number of rows shown for used stock when stopping the production on the production manager can be limited. When putting a negative number here, the system will show all rows.

**Integration Produmex Manufacturing: SP name for getting items to consume**

The setting is used for Produmex WMS - Produmex Manufacturing integration. The stored procedure retrieves information for the production order about the necessary items to consume. For more information click [here](https://wiki.produmex.name/).

## **Integration Produmex Manufacturing: SP name for removing locks**

The setting is used for Produmex WMS - Produmex Manufacturing integration. The stored procedure sends the information to Produmex WMS to unlock the items necessary for the production order. For more information click [here](#).

### **2.3.60. Proof of Delivery Controller**

This controller holds the configuration for the Proof of Delivery functionality.

Extension: POD Controller - For IM2 ePOD

This is the default controller for the POD.



#### **Allow only full quantity to be delivered? (Y/N)**

When this is enabled, the delivery of the item is a 'All or nothing' delivery. The user can either deliver nothing, or deliver the full quantity.

#### **Image path**

The path where the images will be stored.

#### **Route export mode**

The level of details the export needs to contain.

Possible values:

- **SSCC**: Lists every SSCC. Confirmation is on SSCC level
- **Item**: Lists every item on an SSCC. Confirmation is on item level
- **Batch**: Lists every batch for every item on an SSCC. Confirmation is on batch level

### **2.3.61. Purchase Delivery Generator**

Extension: Purchase Delivery Generator

### ***Allow to enter reason on purchase delivery***

This option enables you to enter a reason during reception on the handheld device. This option could be used for example to identify that there was no label found on the logistic unit and you want to record why the label was not scanned.

### ***Allow to exceed ordered quantity?***

If set to false, it will not be possible to receive more than what was ordered. This check is done on the scanner application.

### ***Allow to select batch?***

If this is set to true, the system will propose all batch numbers that are currently in stock for the item to receive. The user can still enter another batch number if he wants.

### ***Ask user to print labels? (Y/N)***

If this is set to true, during the reception flow the user will be asked if he wants to print labels or not. When disabled, the system will not ask, and perform the printing as normal.

Note: The setting does not apply to the Bulk Reception Flow.

### ***Auto reserve stock when purchase order is linked to sales order?***

A purchase order can be linked to a sales order. If this setting is set to true, the system will lock the received stock for this sales order. So if a pick list is made for that sales order, the system will use the locked stock to pick. All quantities received will be locked, even if more quantity is received than what was on the purchase order.

When performing cross docking, this option should be checked, so the system will use the received items.

### ***Auto select internal batch based on batch number?***

If this is ticked, the system will not ask for an internal batch number if there is one found for the entered/scanned batch number.

### **Check data in UDF's from PO line?**

If the setting is enabled, the system checks data entered on the purchase order and checks if the correct data has been entered on the Mobile Client.

- The possible data to check: Batch number, Batch number 2, Best before date, Serial number.
- On the scanner the selection of the item to receive is done based on PO line, instead of grouping it on item.
- Example: Best Before Date is entered on the purchase order. After selecting a product on the Mobile Client, the system checks the best before date on the purchase order. If you enter a different best before date on the Mobile Client, the Failed Data Check screen is displayed with the following message: *Best before date entered does not match the one on the purchase order. Enter again?*

Note: The setting does not apply to the Bulk Reception Flow.

### **Cross-docking pick list type**

For cross docking, the received goods will be delivered immediately based on the linked sales order of the purchase order. To do this, a pick list will be generated. To have a distinction between pick lists that are created for cross-docking, you can provide a pick list type.

### **Group purchase delivery (Y/N)**

During the reception, it is possible to receive stock based on multiple purchase orders for the same vendor.

- If this setting is enabled, only one Goods Receipt PO document is created for those purchase orders.
- If this setting is disabled, a separate Goods Receipt PO documents are created for each purchase order.

### **Purchase line remarks view name**

The view to be used to get the line remarks that need to be shown on the scanner.

This view needs at least these columns:

- ObjType
- DocEntry
- LineNum
- ItemCode

The view can return multiple rows/columns for the same document.

The screen to show the remarks will then show the data in multiple rows/columns.

Note: The setting does not apply to the Bulk Reception Flow.

Example: A new view can be added with the listed query examples.

This example is displaying the shipdate and open quantity for each purchase order line.

### **SQL:**

```
CREATE VIEW [dbo].[PMX_PO_LINE_REMARKS_CUSTOM] AS

SELECT
T1.[ObjType]
```



```
, T1.[DocEntry]
, T1.[LineNum]
, T1.[ItemCode]
, CAST(T1.[ShipDate] AS VARCHAR(20)) AS "ShipDate"
, CAST(T1.[OpenQty] AS VARCHAR(20)) AS "OpenQty"
FROM POR1 T1

WHERE T1.LineStatus = '0'
```

### SAP HANA:

```
CREATE VIEW "PMX_PO_LINE_REMARKS_CUSTOM" AS

SELECT
T1."ObjType"
, T1."DocEntry"
, T1."LineNum"
, T1."ItemCode"
--, T1."FreeTxt" ++ ' Shipdate:' ++ cast(T1."ShipDate" as varchar(20)) ++ '
OpeQty:' ++ cast(T1."OpenQty" as varchar(20)) as "Remark"
, CAST(T1."ShipDate" AS VARCHAR(20)) AS "ShipDate"
--, T1."OpenQty" as "OpenQty"
, CAST(T1."OpenQty" AS VARCHAR(20)) AS "OpenQty"
FROM POR1 T1

WHERE T1."LineStatus" = '0'
```

The result screen:



### Receive all items in one purchase delivery?

- **If set to false**, a purchase delivery is made for each logistic unit.
- **If set to true**, the system will try to make 1 purchase delivery for all the entered data on reception. So at reception the user needs to fill in all the data for each logistic unit. After all data has been entered the system will create the purchase delivery.

**Note:** The setting does not apply to the Bulk Reception Flow.

#### Warning

##### If the setting is enabled:

- The Logistic labels are printed after entering data for each logistic unit, the printed labels do not reflect the actual stock in the system.
- If there is an error while creating the Purchase Delivery, the labels will not match the stock in the system. The already printed labels can be used to enter the data again.
- The user must re-enter the data to create the purchase delivery.

### ***Receive on location instead of dock?***

By default Produmex will receive the goods on the selected dock. But it is possible to let the user identify another location. In this case the items are stored directly on the warehouse location, and no put away is created.

When we use the suggested location functionality in the reception flow (receiving items to a location instead of a dock) and the system cannot find a suitable location for the item, it automatically receives the item to the dock.

**Note:** The setting does not apply to the Bulk Reception Flow.

### ***Remaining quantity by default? (Y/N)***

When enabled, the open quantity on base document for the selected product is displayed on the mobile client.

Note: the displayed quantity also depends on the Default Quantity set for the Logistic unit in the Inventory Tab in the Item Master Data.

### ***Remarks view name***

The view to be used to get the remarks that need to be shown on the scanner.  
This view needs at least these columns:

- ObjType
- DocEntry

The view can return multiple rows/columns for the same document.

The screen to show the remarks will then show the data in multiple rows/columns.

Note: The setting does not apply to the Bulk Reception Flow.

### ***Show reserve invoices for purchase order selection?***

When set to true, purchase reserve invoices are also shown in the selection of the purchase orders on the thin client.

Note: The setting does not apply to the Bulk Reception Flow.

### ***Split received quantity into logistic units of default size (Y/N)***

If enabled, the received quantity is automatically split into multiple logistic units based on the 'Default quantity on logistical unit' setting of the item.

Note: The setting does not apply to the Bulk Reception Flow.

### ***Take the rate of the base document?***

By default, SAP Business One uses the current exchange rate. If this setting is enabled, Produmex WMS uses the exchange rate defined on the purchase order header instead of the current exchange rate.

## **2.3.62. Put Away for Order Generator**

It determines how received goods (logistic units - SSCC) have to be put away.



(1) Extension: Generates Full Pallet Put Away Orders (DFPPAOG)

It generates put away orders that cannot be split up. The user must move the full SSCC to a location.

(2) Extension: Generates No Put Away Orders (EMPAOGEN)

No put away orders are generated during the reception.

(3) Extension: Generates Put Away Orders (DEPAOGEN)

It generates put away orders that can be split up. When processing the order, the user can select if he wants move the full SSCC or not for monolot pallets. Mixed pallets have to be split up.

### 2.3.63. Put Away for Production Generator

Extension: Generates Put Away for Production

It generates production put away orders when producing onto a logistic unit.



#### Put away for receive from warehouse generator

Extension: Put Away Receive From Whs Generator - Generates put away for receive from warehouse

It generates put away move orders when finishing the [Receive from WHS Flow](#).

#### Put away generation

- Do not generate: The system does not generate put away move orders when finishing the [Receive from WHS Flow](#).

- Generate: The system generates put away move orders when finishing the [Receive from WHS Flow](#). The generated logistic unit can be selected during the [Put Away Flow](#).
- Generate full pallet: The system generates put away move orders when finishing the [Receive from WHS Flow](#). The generated logistic unit is a full pallet and it can be selected during the [Put Away Flow](#).

### 2.3.64. QS Reception Contr. on Company



#### (1) Extension: Quality Status Reception Controller - Gets the Quality Status for Reception

When receiving, the default quality status defined for the supplier on the [Produmex Purchase tab](#) of the Item Master Data is used.

If there is no quality status set for the supplier, the default quality status defined on the [Produmex Purchase tab](#) of the Item Master Data is used.

If on the item there is no default quality status set, the default quality status on company level is used. (*Produmex Organizational Structure* → *Company* → *Tabpage 'Defaults'*).

#### (2) Extension: Quality Status Reception Controller - Gets the quality status for reception by batch

This controller is more complex. The system will first check the batch that is being received. If this batch is not present in the system, the default quality status defined on the item is used. If on the item there is no default quality status set, the default quality status on company level (*Produmex Organizational Structure* → *Company* → *Tabpage 'Defaults'*).

If this batch is present in the system, the system will check if the stock of this batch has the released quality status defined on the item. If on the item there is no released quality status set, the released quality status on company level. If the stock has the released quality status, the stock to receive will also get this quality status, because this batch has already been approved.

If the released quality status is not found in the system, the stock to receive will get the default quality status.

### 2.3.65. Receive from Whs Controller

#### Extension: Receive from WHS Controller – Controls the Receive from Whs Flow



#### **General**

#### **Line remarks view name**

The view that gets the line remarks to show on the scanner after the product is identified. This view

needs at least these columns:

- ObjType
- DocEntry
- LineNum
- ItemCode

The view can return multiple rows/columns for the same document. The screen to show the remarks will then show the data in multiple rows/columns.

***Move all items in 1 stock transfer? (Y/N)***

If enabled, the Inventory Transfer Document is created after every item is transferred, otherwise an Inventory Transfer Document is created after each transferred LUID.

***Remarks view name***

The view that gets the line remarks to show on the scanner after the Inventory Transfer Document is identified. This view needs at least these columns:

- ObjType
- DocEntry

The view can return multiple rows/columns for the same document. The screen to show the remarks will then show the data in multiple rows/columns.

## **2.3.66. Replenishment Generator**

### **(1) Extension: Replenishment Generator - Generates Item Based Replenishment Orders**

This replenishment generator starts from the configuration on the item master data. It will try to generate orders where the 'Replenishment Quantity on pick locations' (OITM.U\_PMX\_RQPL found on the item master data produmex sales tab) is greater than 0.

If there is enough stock on pick locations, no order will be generated.

**In case of setting a destination location for the replenishment order:**

When the generator has calculated the quantity that should be replenished, it will try to find all pick locations that have this item in the 'Can be replenished' list and where the minimum quantity for that item on the location is higher than zero. It will try to create orders on those locations, ordered by the sequence defined on the location.

If no location can be found, or if there is enough stock on the location(s), (*taking in account the maximum quantity on the location*), it will not create a replenishment order.



***Close open orders first? (Y/N)***

When this is checked, the system will first close all open replenishment orders when running the replenishment tool.

***No destination location on order? (Y/N)***

When this is checked, the system will create replenishment orders without setting the destination location.

The user who executes the replenishment will be able to select a pick location.

### **Orders view name**

The default view name for the Select a Replenish Order screen during the Replenishment Flow.

Default value: PMX\_REPLENISHMENT\_ORDERS\_LIST

### **Orders view order by**

The setting defines the order of the replenish orders listed on the Select a Replenish Order screen during the Replenishment Flow. Default value: "Priority" ASC, "DueDate" ASC, "DocEntry" ASC, "LineID" ASC



### **Pick list due date range (in days)**

The pick list due date range in days. If 'Take in account pick lists' is checked, this setting defines the due date range of all the pick lists that should be taken in account.

### **Remove SSCC on execution? (Y/N)**

When this setting is enabled, the executed move will remove the SSCC of the stock.

This means that the stock that will be stored on the pick location will not contain an SSCC anymore.

This removal of the SSCC can only happen if there is no locking for this SSCC.

### **Select zone on replenishment flow? (Y/N)**

If enabled, the user has to select the zone before selecting the replenishment order. After a zone is selected, only replenishment orders for locations in the zone can be selected. The zones that are shown are the parent zones of the locations that need replenishment.

*Please note: If the 'No destination location on order' option is enabled, the zone will not be asked regardless of the 'Select zone on replenishment flow' setting.*

### **Skip stock when LUID is blocked? (Y/N)**

When this option is checked, the blocked LUID will not be moved to the pick location. This can be used when the system is configured that the pick list proposal generator already locks stock based on the LUID and if on the pick list controller the option to pick full pallet from bulk location is allowed.

### **Stock coverage in days**

In combination with the configuration on Item master data it will calculate the needed quantities within the days defined in the stock coverage. If for example you have a stock coverage of 15 days, the generator will calculate the needed quantities for those 15 days, and create replenishment orders (if needed) so there will be enough stock on the locations for at least 15 days.

### **Stock order by**

The order of the stock to be used:

- Order by BBD, Batch1, Batch2, Sequence, Storage Location Code (FEFO)
- Order by ItriKey, No LUID, LUID, Sequence, Storage Location Code (FIFO)
- Order by BBD, ItriKey, Sequence, Storage Location Code (FEFO\_ITRI)

### **Take in account pick lists? (Y/N)**

If the setting is enabled, items on picklists with a due date in range are subtracted from the current available stock on the location. As this is item based replenishment, the item is taken into account

even if the picklist has no location defined.

### **CALCULATION:**

A replenish order is generated when:

Stock on pick location - quantity on pick list  $\leq$  estimated sales quantity \* (stock coverage/number of days in a month)

#### **Configuration 1:**

- ItemA: Quantity on pick locations = 120 (OITM.U\_PMX\_RQPL)
- ItemA: Estimated sales quantity by month = 100 (OITM.U\_PMX\_ESQM)
- ItemA: Sum of Stock On Hand on pick locations = 70
- ItemA: Sum of Items on a pick list (in range) = 10
- Generator: Stock coverage = 15

In this example:

$$(70 - 10) < (100 * (15/30)) \rightarrow 60 < 50$$

So we need 50 items to be picked in the 15 days, but there are still 60 available, so no replenishment orders need to be generated.

#### **Configuration 2:**

- ItemA: Quantity on pick locations = 120 (OITM.U\_PMX\_RQPL)
- ItemA: Estimated sales quantity by month = 100 (OITM.U\_PMX\_ESQM)
- ItemA: Sum of Stock On Hand on pick locations = 40
- ItemA: Sum of Items on a pick list (in range) = 15
- Generator: Stock coverage = 15

In this example:

$$(40 - 15) < (100 * (15/30)) \rightarrow 25 < 50$$

So we need 50 items to be picked in the 15 days, and there are only 25 available, so replenishment orders need to be generated.

### **The number of items to be replenished is calculated:**

*(Qty on pick locations - (Stock on pick locations - # on pick list))*

In this example:

$$(120 - (40 - 15)) = 95$$

95 items need to be replenished from bulk locations to pick locations.

#### **(2) Extension: Replenishment Generator - Generates Replenishment Orders**

This replenishment generator takes in account the items defined on the pick location. When the stock goes below the minimum quantity, it will generate a replenishment order.

The system will create an order so the minimum quantity (*Defined on the location*) is exceeded after the execution of the replenish order. The quantity will be a multiple of the Replenish Qty.



### **Close open orders first? (Y/N)**

When this is checked, the system will first close all open replenishment orders when running the replenishment tool.

### **Orders view name**

The default view name for the Select a Replenish Order screen during the Replenishment Flow.

Default value: PMX\_REPLENISHMENT\_ORDERS\_LIST

### **Orders view order by**

The setting defines the order of the replenish orders listed on the Select a Replenish Order screen during the Replenishment Flow. Default value: "Priority" ASC, "DueDate" ASC, "DocEntry" ASC, "LineID" ASC



### **Pick list due date range (in days)**

If 'Take in account pick lists' is checked, this setting defines the due date range of all the pick lists that should be taken in account.

### **Remove SSCC on execution? (Y/N)**

When this setting is enabled, the executed move will remove the SSCC of the stock.

This means that the stock that will be stored on the pick location will not contain an SSCC anymore.

This removal of the SSCC can only happen if there is no locking for this SSCC.

### **Select zone on replenishment flow? (Y/N)**

If enabled, the user has to select the zone before selecting the replenishment order. After a zone is selected, only replenishment orders for locations in the zone can be selected. The zones that are shown are the parent zones of the locations that need replenishment.

### **Skip stock when LUID is blocked? (Y/N)**

When this option is checked, the blocked LUID will not be moved to the pick location. This can be used when the system is configured that the pick list proposal generator already locks stock based on the LUID and if on the pick list controller the option to pick full pallet from bulk location is allowed.

### **Stock order by**

The order of the stock to be used:

- Order by BBD, Batch1, Batch2, Sequence, Storage Location Code (FEFO)
- Order by ItriKey, No LUID, LUID, Sequence, Storage Location Code (FIFO)
- Order by BBD, ItriKey, Sequence, Storage Location Code (FEFO\_ITRI)

### **Take in account pick lists? (Y/N)**

When this option is checked, picklist lines in status *Not ready* with a due date in range are subtracted from the current available stock on the location. Only picklist lines without an allocation on location level are taken into account.

### **CALCULATION:**

A replenishment order will be generated when:  $\{(Stock\ on\ pick\ location - \#\ on\ pick\ list) \leq Minimum\ quantity\}$ .

### **Example:**



- Stock on pick location= 25
- Minimum quantity = 20
- Maximum quantity = 60
- Replenish quantity = 10
- # on pick list = 12

Configuration 1: Pick list not taken into account/ not within the due date range

*In this example:  $25 < 20$*

Since the stock on the pick location exceeds the minimum quantity, no replenishment order needs to be generated.

Configuration 2: Pick list taken into account and within the due date range

*In this example:  $25-12=13 < 20$*

If we take into account the pick list, the quantity on the pick location will fall below the minimum quantity, therefore a replenishment order needs to be generated.

The quantity to replenish in the order will be a multiple of the Replenish Qty. It will be calculated by:  $\{n \times (\text{Replenish Quantity}) \geq \text{Minimum Quantity} - \text{Stock on pick location} + \# \text{ on pick list}\}$  where n is a non-negative integer.

#### **Example:**

- Stock on pick location= 5
- Minimum quantity = 20
- Maximum quantity = 60
- Replenish quantity = 10
- # on pick list = 12

Pick list not taken into account:

$$n \times 10 \geq 20 - 5 \rightarrow n \times 10 \geq 15$$

Because the quantity to replenish must be the multiple of the Replenish quantity, 20 items need to be replenished from bulk locations to pick locations.

Pick list taken into account:

$$n \times 10 \geq 20 - 5 + 12 \rightarrow n \times 10 \geq 27$$

Because the quantity to replenish must be the multiple of the Replenish quantity, 30 items need to be replenished from bulk locations to pick locations.

#### **5.1.3.21. Report Mailer**

##### Extension: Report Mailer Interface - Default

The Report Mailer can be used to automatically mail the purchase order report to the vendor after the purchase order is created. For more information see [Notification Listener Transactions: Mail Report](#).

#### **2.3.68. Route Controller**

## Extension: Route Controller - Controls the Routes



The settings below is to customize the grids on the route planning. There is a view to get the data to show on the grid. The order in which the columns are on the view, will also be the order in which they will appear in the grid.

Per view there are some mandatory fields, so the system knows what column to use for certain values.

### ***Pick list (proposals) without route (Bottom-left grid):***

Required fields:

- DocType, DocEntry, PickListStatus, PmxWhsCode

### ***View name - Open pick list (proposals)***

The name of the view that will be used.

### ***Order by - Open pick list (proposals)***

The order by for the view. The text 'ORDER BY' does not need to be entered here.

### ***Localization key - Open pick list (proposals)***

The localization key to use. This is used to translate the grid.

Below is a reduced translation tag for the standard grid.

It shows how to translate, or if needed how to hide a columns.

```
<PmxLocalizationKey>
  <Canceled>False</Canceled>
<LocalizationKey>Logex.AddOn.RoutePlanningControl.GrdPicklistsWithoutRoute</LocalizationKey>
  <ApplicationTypeCode>SBOGUIAP</ApplicationTypeCode>
  <LocalizationProperties>
    <PmxLocalizationProperty>
      <Canceled>False</Canceled>
      <LocalizationProperty>Columns[1].HeaderText</LocalizationProperty>
      <ExtensionCode>CONVSTR</ExtensionCode>
      <LocalizationValues>
        <PmxLocalizationValue>
          <Canceled>False</Canceled>
          <LocalizationValue>Type</LocalizationValue>
          <LanguageCode>3</LanguageCode>
        </PmxLocalizationValue>
        <PmxLocalizationValue>
          <Canceled>False</Canceled>
          <LocalizationValue>Type</LocalizationValue>
          <LanguageCode>16</LanguageCode>
        </PmxLocalizationValue>
      </LocalizationValues>
    </PmxLocalizationProperty>
    <PmxLocalizationProperty>
```

```

<Canceled>False</Canceled>
<LocalizationProperty>Columns[13].Visible</LocalizationProperty>
<ExtensionCode>CONVB00L</ExtensionCode>
<LocalizationValues>
  <PmxLocalizationValue>
    <Canceled>False</Canceled>
    <LocalizationValue>False</LocalizationValue>
    <LanguageCode>3</LanguageCode>
  </PmxLocalizationValue>
  <PmxLocalizationValue>
    <Canceled>False</Canceled>
    <LocalizationValue>False</LocalizationValue>
    <LanguageCode>16</LanguageCode>
  </PmxLocalizationValue>
</LocalizationValues>
</PmxLocalizationProperty>
</LocalizationProperties>
</PmxLocalizationKey>

```

### ***Route details (Right grids):***

Required fields:

- RouteDocEntry, RouteLineNum, Sequence, DocType, DocEntry, PickListStatus

#### ***View name - Route details***

The name of the view that will be used.

#### ***Localization key - Route details***

The localization key to use. This is used to translate the grid.

### ***Open routes (Top left grid):***

Required fields:

- DocEntry, PmxWhsCode

#### ***View name - Open routes***

The name of the view that will be used.

#### ***Order by - Open routes***

The order by clause for the view. The text 'ORDER BY' does not need to be entered here.

#### ***Localization key - Open routes***

The localization key to use. This is used to translate the grid.

### ***Route header extra information:***

This will show additional information for the route in the route planning screen.

This view can contain multiple rows/columns for the route.

All that data will be combined into 1 line of text.

Values of rows/columns will be separated by the separators defined below.

Required fields:

- DocEntry

**View name - Route details header**

The name of the route that will be used.

**Order by - Route details header**

The order by clause for the view. The text 'ORDER BY' does not need to be entered here.

**Column separator - Route details header**

The separator between columns.

**Row separator - Route details header**

The separator between rows.

**Routes are by default POD? (Y/N)**

When creating a new route, this setting will automatically set whether the route is used for the 'Proof of delivery' functionality.

### 2.3.69. Sales Delivery Note Generator

Extension: Sales Delivery Note Generator - Generates Sales Delivery Notes in Separate Transactions

This means that for instance when delivering a route, all deliveries are created in a separate transaction, instead of 1 transaction.

This will lead to less long lasting blocks when creating deliveries.



#### **General**

**Add quantity to non-inventory sales BOM item? (Y/N)**

If enabled, the non-inventory components from a sales BOM are automatically added to the sales delivery when it is created through the Produmex functionality.

**Copy text lines from order to delivery? (Y/N)**

If set to true, text lines from the base document will be copied to the delivery.

**Fill packing info in delivery? (Y/N)**

If set to true, the packing info will be entered in the delivery.

This will be based on the SSCC/Master SSCC.

(DLN7 & DLN8)

**Use Pmx sales shipping? (Y/N)**

If set to true, it will book the delivery into a temporary table. The SAP sales delivery can be created through a tool, or manually in SAP.

The advantage of this setting is that the creation of the delivery is much faster.

The disadvantage is that the stock remains on the dock, pick list is still open until the SAP delivery is

created.

Also when invoices need to be created immediately after the creation of the delivery, this setting cannot be enabled.

## Grouping

### **Add grouping columns to header level? (Y/N)**

Defines how data is queried for grouping. For backward compatibility the default value is 'True'. If you have performance issues during the generation of sales delivery notes, disable this setting.

If this setting is enabled, the '*Grouping filter columns*' and the '*Join clause for grouping filter*' fields are added in the main string:

```
SELECT Table1.*, <Grouping filter columns>
FROM (
SELECT ...
FROM ...
) AS Table 1
<Join clause for grouping filter>
WHERE ...
ORDER BY ... ,<Order by for grouping filter>
```

If this setting is disabled, the '*Grouping filter Columns*' and the '*Join clause for grouping filter*' fields are added in a substring:

```
SELECT Table1.*
FROM (
SELECT ... , <Grouping filter columns>
FROM ...
<Join clause for grouping filter>
) AS Table 1
WHERE ...
ORDER BY ... ,<Order by for grouping filter>
```

### **Group sales orders for the same customer to 1 delivery? (Y/N)**

When the delivery is made, it is possible according to the type of shipping: wave/route/... that there are goods that come from different sales orders, for the same customer.

If the option is set to true, only 1 delivery will be made for those sales orders.

If set to false, a delivery by sales order will be made.

### **Grouping filter columns**

Enter columns on which deliveries need to be grouped.

When columns are added, the deliveries that will be created will be split when values in these columns are different.

Multiple columns can be split by ','

### **Join clause for grouping filter**

When the grouping filter columns are in a table that is not available in the standard query, a join clause can be added to join to the missing table(s).

This join clause will be fully added to the query, which means that the 'INNER JOIN', 'LEFT JOIN', ...

keywords need to be added to this value.

General	Defaults	Extension Parameters	Production	SSCC	Reports	Print Events	Zone Types	Page Sizes	Quality Statu	Reasons	3PL Invoicing	History Config	Workflows	Config	Archiving
Property	Sales delivery note generator (SALDELGE)														
Extension	SalesDeliveryNote Generator - Generates sales delivery notes in separate transactions (SDNCSOGE)														
Search Parameters															
<b>Grouping</b>															
+															
Add grouping filter to header level?	<input checked="" type="checkbox"/>														
Group sales orders for the same customer to 1 delivery? (Y/N)	<input type="checkbox"/>														
Grouping filter columns	"ORDR"."GroupNum","ORDR"."PeyMethod"														
Join clause for grouping filter	INNER JOIN "ORDR" ON "ORDR"."DocEntry" = "GROUPED_TABLE"."SalesDocEntry"														
Order by for grouping filter															

### Example grouping filter

When splitting on discount percentage of the sales order:

Value for filter: "DiscPrct"

Value for join clause: INNER JOIN "ORDR" ON "ORDR"."DocEntry" =

"GROUPED\_TABLE"."SalesDocEntry"

### Grouping Order by

Defines the sorting of the sales orders for the grouping. If this field is empty, the value of the 'Grouping filter columns' is used for sorting.

## Shipping

### Allow loading of ready logistic units on not fully packed picklists? (Y/N)

If set to true, the users will be able to already select an unfinished picklist on the shipping client, and already start loading finished SSCC's.

### Allow shipping of partial LUID? (Y/N)

If set to true, on the shipping flow, a button will be available to only ship a part of a picked SSCC. The remainder will still be open on the pick list.

### Allow to load all SSCC's in one time? (Y/N)

If enabled, the user will be able to load all picked SSCC in one step during shipping without scanning the barcodes.

### Group similar picklists? (Y/N)

If set to true, during shipping the system will get all picklists that are available for the same customer, delivery address, ... for the selected pick list.

All SSCC's for those pick lists can to be loaded.

## 2.3.70. Sales Return Generator

Extension: Default Sales Return Generator



**Force mono lot pallet? (Y/N)**

If the setting is enabled, the system does not allow to have multiple items/batches on one SSCC and the user is forced to create a new logistic unit for each item.

**2.3.71. Sample Generator**Extension: Generates Samples to Supplier

The generator makes the sample orders if this is needed. A sample order is a sales order. This sales order will be created for the customer linked to the business partner on the purchase delivery. The linked business partner can be set on the Business Partner Master Data.

**2.3.72. Serial Number Controller**Extension: Serial Number Controller - Controls the Serial Numbers**Always entering serial numbers in uppercase? (Y/N)**

If set to true, the system will always put the entered serial numbers in upper case.

**Ask for dest. loc. before entering serial numbers? (Y/N)**

When moving stock, the system normally first asks to scan the serial numbers before asking for the location.

If the user wants to first ask for the destination location, this option can be set.

**Picking: Warn when serial number has been sent in the past? (Y/N)**

When this is enabled, the user will see a warning when this serial number has already been used in a delivery or pick list.

This check happens for the item, and does not take into account the batch.

**2.3.73. Stock Allocation Controller**Extension: Controller for the Stock Allocation Screen

This controller holds the configuration for the Stock Allocation Screen. The screen supports custom views that are used to show data on the screen. This can be used when customers want additional info on the screen, but that custom view will have some fields that are required.



### **Grid localization key (Customer info)**

The translation key that is used to translate the grid on the screen for grouping option 'Customer'

### **Grid localization key (Sales order info)**

The translation key that is used to translate the grid on the screen for grouping option 'Sales document'

### **Order by (Customer info)**

The order by clause for the query for grouping option 'Customer'

### **Order by (Sales order info)**

The order by clause for the query for grouping option 'Sales document'

### **View name (Customer info)**

The view used for grouping option 'Customer'.

The view can be customized, but the following fields are required:

- ItemCode
- SboWhsCode
- GroupCode
- CardCode
- CardName
- AllocatedQuantity
- AllocatedQuantityOriginal
- FreeQuantity
- FreeQuantityOriginal
- InventoryQuantity
- OpenQuantity
- OpenQtyNotAllocated
- ErrorMessage

### **View name (Sales order info)**

The view used for grouping option 'Sales document'.

The view can be customized, but the following fields are required:

- ItemCode
- SboWhsCode
- GroupCode
- CardCode
- CardName
- AllocatedQuantity
- AllocatedQuantityOriginal
- FreeQuantity
- FreeQuantityOriginal
- InventoryQuantity
- OpenQuantity
- OpenQtyNotAllocated
- ObjType
- DocEntry
- LineNum



- ErrorMessage

#### 2.3.74. Track and Trace Contoller

It determines how to use the track and trace product.

Extension: Movilitas Cloud Track and Trace

It uses the Movilitas Cloud interface.



#### **API URL**

The URL to the API of Movilitas Cloud

#### 5.1.3.57. Warehouse automation controller

It requires a custom controller.

#### 2.4. Production tab

When the product is produced, the quality status of the product is defined by the Quality Status Production setting on the Production tab of the Organizational Structure.

The available quality status in the drop-down menu are defined by the quality status list set on the Quality Status tab of the Organizational Structure.



#### 2.5. SSCC tab

On the SSCC tab of the Organizational Structure the system shows the current SSCC number and the start and the end number of the range.

The fields prevent the user from entering more than 17 or non-numeric characters. The 18th character is automatically calculated as the check digit.

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

WMS\_Demo (COMP) Empty = 54

Code: COMP

Name: WMS\_Demo

Extension Parameter | Production | **SSCC** | Reports | Print Events | Zone Types | Page Sizes | Quality Statu | Reas

Current SSCC: 1

Start Range: 0

End Range: 9999999999999999

Ok

Ok Cancel Export Close

## 2.6. Reports tab

### 2.6.1. Overview

The Reports tab offers an overview of the standard reports that have been defined in Produmex.

It includes a reference to the shared folder (*Report path*, *Coresuite report path*) where the reports are stored and makes it possible to set the report parameters:

- Format in which the report is created (for example Crystal Reports, CoreSuite)
- Name
- Page size
- Orientation
- Type
- Path from the entered report path

Organizational Structure - Produmex WMS Add-On

Search

Code: Test  
Name: Test

General | Defaults | Extension Parameter | Production | SSCC | Reports | Print Events | Zone Types | Page Sizes

Report Path:   
Coresuite Report Path:

Key	Name	Path
1	Shipping Label	DefaultShippingLabel.rpt
2	Goods Receipt Label	DefaultGoodsReceiptLabel.rpt
3	Item Label	DefaultPickingItemCompleted.rpt

Format: Crystal Reports (2)  
Name: Shipping Label  
Page Size: A4 (A4)  
Orientation: Portrait (1)  
Type: ShippingLabel (SH-LBL)  
Path: DefaultShippingLabel.rpt

Add  
Update  
Delete

Ok Cancel Export Close

### 2.6.2. Configuration

1. Select the format you wish to use from the *Format* drop-down menu:

- A) Crystal Reports: uses the reports you download with your Produmex installation file.
- B) Crystal Reports by SAP: uses the default reports that are stored within SAP.
- C) Coresuite: uses the reports available in Coresuite.
- D) Unknown: can be used for custom report types.

2. The next step depends on the format you have selected in step 1:

- A) **Crystal Reports:** Provide the path of the reports in the *Report Path* field.
  - MSSQL: You can find the reports in your installation folder and you can add its path to the *Report path* field, for example: *C:\Install\Produmex\_WMS\_X\_X.x64\Reports\MSSQL*.
  - HANA: see [HANA Report Setting Tool](#)
- B) **Crystal Reports by SAP:** Check the ID of the report, then add the ID into the *Path* field. When the system starts printing, it gets the report with this ID from the database.
- C) **Coresuite:** When printing the system creates a file to a certain folder. The field *Coresuite report path* needs to be filled in with a folder where the file needs to be stored. The Coresuite add-on picks up the file and prints the report.

3. Provide the necessary report parameters.

- Name

- Page size
- Orientation
- Type: The system uses the report type to provide the necessary data for the flows while printing, see Report table below.
- Path from the entered report path

4. Click ADD and the list of the added reports is displayed in the grid.

### 2.6.2. Report table

Report name	Report type
Default Goods Receipt Label	Goods Receipt Label (GR-LBL)
Default Goods Receipt Label Data matrix	Goods Receipt Label (GR-LBL)
Default Goods Receipt Label Small	Goods Receipt Label (GR-LBL)
Default Item Label	Item Label (ITM-LBL)
Default Logistics Label	New master logistic unit label (MALU_REP)
Default Pack List	Sales delivery report (SDEL-RPT)
Default Picking Item Completed	Picklist report (PICK-REP)
Default Picking Prepare Cart New SSCC Label	Picking prepare cart new SSCC (PPCNSSCC)
Default Pick List	Picklist report (PICK-REP)
Default Production Label	Production Label (PRD-LBL)
Default PT Item Label	Item Label (ITM-LBL)
Default PT Item Label 2	Item Label (ITM-LBL)
Default Purchase Order	Purchase order report (PORD-RPT)
Default Route Document	Route report (RT-RPT)
Default Sales Delivery By Sales Order	Sales delivery report (SDEL-RPT), Sales invoice report (SINV-REP)
Default Sales Delivery By SSCC	Sales delivery report (SDEL-RPT), Sales invoice report (SINV-REP)
Default Sales Order Confirmation	Sales order report (SALO-REP)
Default Shipping Label	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Shipping Label Small	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Shipping Label With Items	Shipping Label (SH-LBL), PMX Sales shipping report (PSSH-RPT)
Default Warehouse Transfer Document	Warehouse move report (WHSM-REP)
Default Weigh Order	Weigh order (WO_REP)
KPI_Avg Time Picking Report	KPI Average time picking report (KPI_ATP)
KPI_Num Deliveries Per Dock Report	KPI sum deliveries (KPI_SDE)
KPI_Pick Item Time Report	KPI pick item time report (KPI_PIT)
KPI_Pick Lines Per User Report	KPI lines per picker (KPI_LPP)
KPI_Time Managment Report	KPI Time management (KPI_TMA)

### 2.7. Print Events tab

On the Print Events tab you can indicate which report has to be generated and printed on which event.

The list of print events is available [here](#).

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

General | Defaults | Extension Parameter | Production | SSCC | Reports | **Print Events** | Zone Types | Page Sizes | Q...

Event	Report	# of Copies	Filter	Ask Reprint	Ask operator choose printer
PickingAfterItems...	3	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SalesReprintLogis...	3	1	PRFNCUCO	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Event: Sales: Reprint Logistic Label (2000)  
Report: Item Label (3)  
Number of Copies: 1  
☐ Ask operator for reprint in the mobile client?  
☒ Ask operator to choose printer in the mobile client?  
Filter: IPrintReportFilter - Not for customer collect (PRFNCUCO)

Buttons: Add, Update, Delete, Ok, Cancel, Export, Close

### 2.6.1. Set up a print event

1. Select the necessary event in the *Event* drop-down menu.
2. Select the report to be generated upon the occurrence of the event in the *Report* drop-down menu.
3. Provide the number of copies to be printed in the *Number of Copies* field. The value provided in the field means that the system prints exactly this number of copies. Value 0 and 1 mean that the system prints exactly 1 copy.
4. Printing

If the *Ask operator for reprint in the mobile client?* setting is enabled, the system displays the Reprint Label screen on the Mobile Client and asks if more copies should be printed after the given number of copies has been printed.

If the *Ask operator to choose printer in the mobile client?* setting is enabled, the system displays the Select a Printer screen on the Mobile Client and lists the printers available in the warehouse where the Mobile Client is set. If the setting is not enabled, the system uses the default printer.

5. Optional: In the *Filter* drop-down menu select a predefined filter, a condition that has to be met for

the report to be generated.

The following filters can be selected:

a) Filter by Warehouse Move Matrix UDT (PRFWMM)

The filter can be used for warehouse move documents. It uses the settings of the [Warehouse Move Matrix UDT](#) to check whether a document should be printed.

b) Customer Collect (PRFCUCO) and Not for Customer Collect (PRFNCUCO)

- PRFCUCO: The document is only printed for customer collects.
- PRFNCUCO: The document is not printed for customer collects.

These filters can be used for the following [print events](#):

- 200 Picking: new LU full
- 300 Shipping: sales delivery note created
- 302 Shipping: picklist shipped
- 500 Packing: finished LU

c) Document Line (PRFDOCLI)

The filter can be used for print event *204 - Picking: after item is picked* and it uses the setting *Print after item picked* of the [Produmex Pick List Types \(PMX\\_PLTY\) UDT](#) to check whether a document should be printed.

d) LUID Generated Printed (PRFLUIDG)

When a logistic unit is received with a valid logistic label containing an SSCC, the system does NOT generate a new reception label with a new system-generated SSCC. The filter can be used for the following [print events](#):

- 101 Reception new LU identified
- 200 Picking: new LU full
- 400 Production: LU produced
- 500 Packing: finished LU
- 700 WHS: created LU
- 702 WHS: created master LU

e) Script (PRFSCRIP)

It offers the possibility to develop criteria for determining when and how a label should be printed. Please see section 5.1.6.2. *Scripted print filters* below.

6. Click Add.

## 2.6.2. Scripted print filters

It is possible to define a custom print filter. It will allow to block printing for certain parameters.

A typical print filter consists of 3 main sections

- Running of SELECT QUERY to get needed info for document
- Determination of TRUE or FALSE value according to needed info

- Return RESULT

### **Creation of a new print filter**

In the Produmex Organizational Structure go to the Print Events tab.

Here you can add a filter to the desired print event.

Select Filter → IPrintReportFilter - Script (PRFSCRIPT)

Click the Edit button.

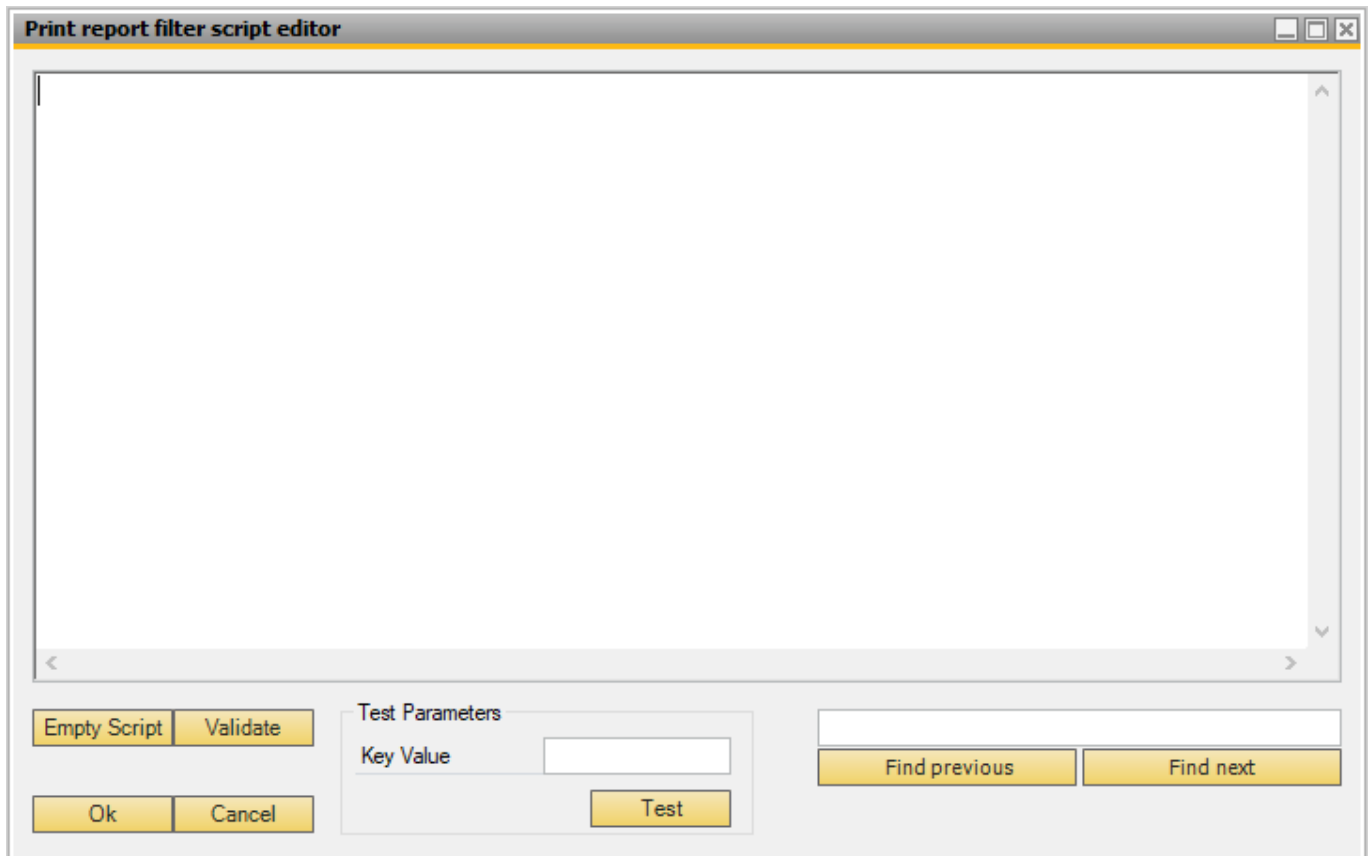
Event	Report	# of Copies	Filter	Ask Reprint	Ask operator choose printer
PickingAfterItems...	3	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SalesReprintLogis...	3	1	PRFNCUCO	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Event	Sales: Reprint Logistic Label (2000)
Report	Item Label (3)
Number of Copies	1
<input type="checkbox"/> Ask operator for reprint in the mobile client?	
<input checked="" type="checkbox"/> Ask operator to choose printer in the mobile client?	
Filter	IPrintReportFilter - Script (PRFSCRIPT)
Script Filter	

Buttons: Add, Update, Delete, Edit, Ok, Cancel, Export, Close

The following script editor opens and you can paste the script.



Press the 'Empty script' button to open a script template designed for the selected print event. We recommend to use this template instead of starting from an empty script.

The template contains two print report methods.

- Use the first method if the report has only one parameter.
- Use the second method if the report has more than one parameters.

Here you can find a demonstration script that explains what is needed.

Note: In Hana queries are case sensitive. Pls write field names as follows: \"fieldname\" for example: \"CardCode\"

```
using System;
using System.Reflection;
using Produmex.Foundation.Data.Sbo;
using Produmex.Foundation.Diagnostics;
using Produmex.Sbo.Logex.Data.BusinessObjects;
using Produmex.Sbo.Logex.Data.Providers;
using Produmex.Foundation.Data.Sbo.BusinessObjects;
using Produmex.Foundation.Data.Sbo.Utilities;
using Produmex.Foundation.Data.SqlClient;

public class Script
{
    private static readonly ILog s_log =
```



```
LogProvider.GetLogger(MethodInfo.GetCurrentMethod().DeclaringType);

    public static bool PrintReport(PmxPrintReportEventType eventType, int
key, PmxDbConnection dbConn)
    {
        //Create the query you want to use
        string query = "SELECT [COLUMNNAME1], [COLUMNNAME2] FROM [TABLENAME]
WHERE [Key] = "
+ key.ToString();

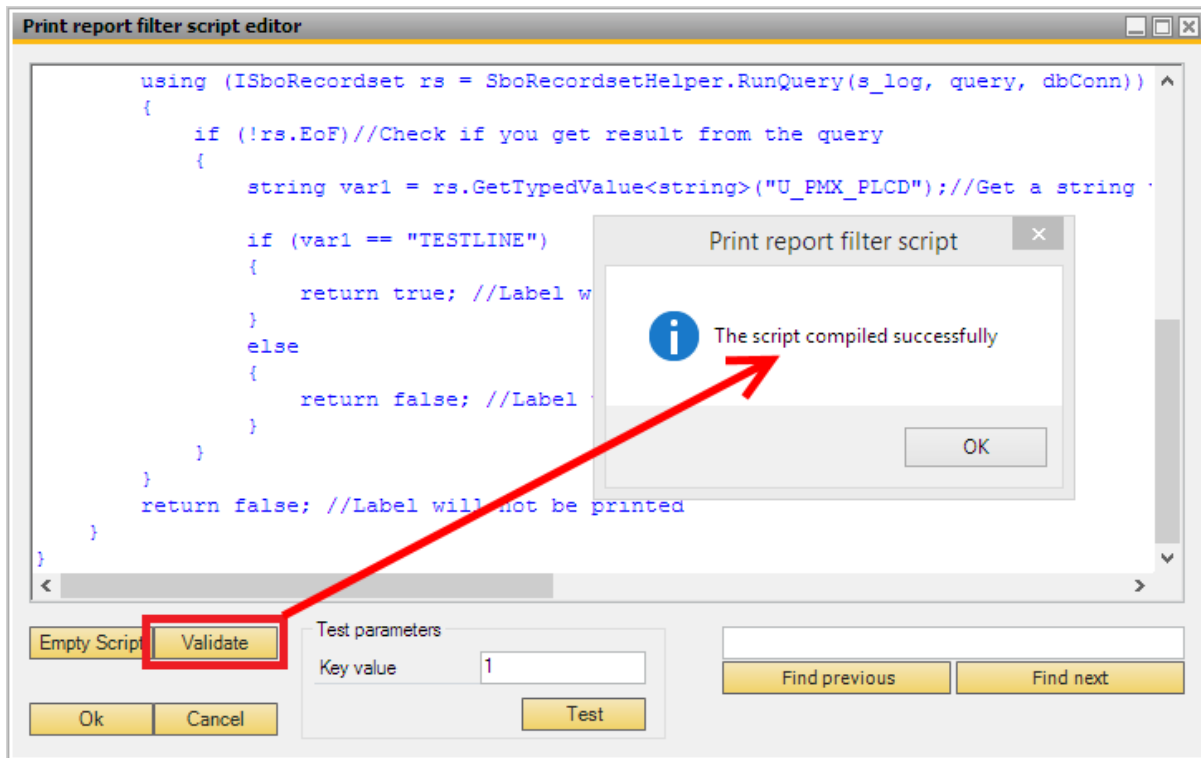
        //Run the query
        using (ISboRecordset rs = SboRecordsetHelper.RunQuery(s_log, query,
dbConn))
        {
            if (!rs.Eof)//Check if you get result from the query
            {
                string var1 = rs.GetTypedValue<string>("COLUMNNAME");//Get a
string value
                int var2 = rs.GetTypedValue<int>("COLUMNNAME2");//Get an int
value

                //Possibility to add a check on the result
                //In this case if the value of column with name 'COLUMNNAME2'
equals to 99,
                //a label should be printed
                if (var2 == 99)
                {
                    return true; //Label will be printed
                }
                else
                {
                    return false; //Label will not be printed
                }
            }
        }
        return false; //Label will not be printed
    }
}
```

So you can modify this script to fit your needs:

- Modify the query to lookup the needed info
- Get the needed values from the query result
- Modify the check on the result and return the correct TRUE or FALSE

### **Validate and test**



You can also use this screen to:

- Validate the Script
- Do a test run with a KEY from the database :  
The key is what is passed to the report. So for the print event ProductionLogisticUnitProduced this is the LUID of the produced pallet.



In order to avoid performance issues, do not use 'SELECT \*' syntax in the select query. Select only the required columns or the primary key.  
Example:

1. What should be **avoided**:

```
SELECT * FROM "OITM" WHERE "ItemCode" = 'ITEM01'
```

2. What to use instead:

- ```
SELECT "InvntItem", "MinLevel" FROM "OITM" WHERE "ItemCode" = 'ITEM01'
```

- ```
SELECT "ItemCode" FROM "OITM" WHERE "ItemCode" = 'ITEM01'
```

It's also recommended to add the WITH (NOLOCK) hint to all tables used in these queries.  
For example:

- ```
SELECT "ItemCode" FROM "OITM" WITH (NOLOCK) WHERE "ItemCode" =
```

'ITEM01'

- Or with a join (NOLOCK on all tables):

```
SELECT "OITM"."InvntItem" FROM "DLN1" WITH (NOLOCK) JOIN "OITM" WITH
(NOLOCK) ON "DLN1"."ItemCode" = "OITM"."ItemCode" WHERE
"DLN1"."ItemCode" = 'ITEM01'
```

Below you can find another demonstration script which explains how to access more than one parameter in your print filter. It can be relevant as the 204 - Picking: after item is picked print event takes two parameters.

Note: In HANA make sure that you use the parameter of the print event. The list of print events and their parameters are available [here](#).

```
using System;
using System.Collections.Generic;
using System.Text;
using Produmex.Foundation.Data.Sbo.Providers;
using Produmex.Sbo.Logex.Data.Extensions;
using Produmex.Foundation.Diagnostics;
using Produmex.Sbo.Logex.Data.BusinessObjects;
using Produmex.Foundation.Data.Sbo.BusinessObjects;
using Produmex.Foundation.Data.Sbo.Utilities;
using Produmex.Sbo.Logex.Data.BusinessObjects.Definitions.Tables;
using Produmex.Foundation.Data.SqlClient;
using System.Reflection;
using Produmex.Foundation.Data.Sbo.BusinessObjects.Definitions.Tables;
using System.Globalization;
using Produmex.Foundation.Data.Sbo;
using Produmex.Sbo.Logex.Data.Providers;

public class Script
{
    private static readonly ILog s_log =
LogProvider.GetLogger(MethodInfo.GetCurrentMethod().DeclaringType);

    public static bool PrintReport( PmxPrintReportEventType eventType,
IDictionary<string,object> parameters, PmxDbConnection dbConn )
    {
        // Only print if we have just picked an item where an UDF on Item
Master Data is set to yes, otherwise do not print
        // Adapt this query to your needs
        string query = "SELECT PMX_PLLI.InternalKey, OITM.U_LabelPrint
FROM PMX_PLLI" +
            " LEFT JOIN OITM ON PMX_PLLI.ItemCode =
OITM.ItemCode" +
            " WHERE U_YourUDF = 'Yes' AND PMX_PLLI.DocEntry =
```

```
" +  
        parameters["@docEntry"].ToString() +  
        " AND PMX_PLLI.LineNum = " +  
        parameters["@lineNum"].ToString();  
  
    //Run the query  
    using (ISboRecordset rs = SboRecordsetHelper.RunQuery(s_log,  
query, dbConn))  
    {  
        if (!rs.EoF)//Check if you get result from the query  
        {  
            return true; //Label will be printed  
        }  
    }  
    return false; //Label will not be printed  
}  
}
```

## 2.8. Zone Types tab

The Zone Types tab allows for defining Zones Types in your company. Zone Types can be assigned to specific items depending on their storage conditions.

Note: When a Zone Type is created, its code cannot be changed.

| Code    | Name    | Needs Reason                        | Show Zone Type                      |
|---------|---------|-------------------------------------|-------------------------------------|
| Freezer | Freezer | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Zone_1  | Zone 1  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

### ***Needs Reason***

Enable the Needs Reason setting if a reason must be provided when receiving or moving the item into a zone with the given zone type.

### ***Show Zone Type***

If the setting is enabled, the zone type is shown during the reception of an item.

During the reception of items with zone types, an optional information screen can be displayed to remind the operators in which zone(s) the product can be stored. This is for information purposes only, and while the screen asks the operator to select a zone, no action is taken. The screen is displayed only if the item being received has at least one zone type with the Show Zone Type option enabled.

## **2.9. Page Sizes tab**

The Page Sizes tab allows for defining the page sizes for reports and printers.

Once a page size is created, its code cannot be changed.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Print Events | Zone Types | Page Sizes | **Quality Status** | Reasons | 3PL Invoicing | History Config | Workflows | Conf

| Code | Name |
|------|------|
| A4   | A4   |
| A5   | A5   |
| A6   | A6   |

Code: A4  
Name: A4

Add  
Update  
Delete

Ok Cancel Export Close

## 2.10. Quality Status tab

The “Quality status” allows you to define the applicable quality statuses for your company. For each quality status it is possible to define whether or not an item with that specific quality status can be shipped and/or picked for production and/or picked for a replenishment order. Furthermore you can specify to which quality status a specific status can be changed: e.g. “blocked” can be changed to “released”.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Print Events | Zone Types | Page Sizes | Quality Status | Reasons | 3PL Invoicing | History Config | Workflows | Conf

| Code     | Name                      |
|----------|---------------------------|
| BLOCKED  | Blocked                   |
| QUARANTI | Quarantine                |
| REJECTED | Rejected                  |
| RELEASED | Released                  |
| RETURNED | Returned                  |
| SUQ      | Shipping under quarantine |

Code: RELEASED  
Name: Released

☒ Can Be Shipped  
☒ Can Be Picked for Replenishment  
☒ Can Be Picked for Production  
☒ Can Be Used for Production  
☒ Can Be Put on a Pick Location  
☐ Can Be Shipped Under Quarantine

The quality status can go to these quality statuses

| Quality Status | Ask for Reason?          | UserGroup |
|----------------|--------------------------|-----------|
| QUARANTI       | <input type="checkbox"/> |           |
| SUQ            | <input type="checkbox"/> |           |

Quarantine (QUARANTI)

☐ Ask for Reason

Buttons: Add, Update, Delete, Ok, Cancel, Export, Close

### **Ask for reason**

On the transition between quality statuses the user can set whether a reason needs to be entered for the change.

### **Can be shipped**

The quality status is allowed to be picked and shipped.

### **Can be picked for replenishment**

Indicates if the stock can be used to replenish pick locations.

### **Can be picked for production**

Indicates if the stock can be used pick for production.

### **Can be used for production**

Indicates if the stock can be used for production. Stock that does not have this option, are not allowed to be stored on production lines.

### **Can be put on a pick location**

Indicates if the stock can be stored on pick locations.

### **Can be shipped under quarantine**

Indicates that the stock is in quarantine, but still allowed to ship. Setting 'Shipping quality option' on the sales order line can be changed to allow shipment of these goods.

## Quality status transitions

This lists the quality statuses to where the current quality status can be changed to.

It is possible to flag the setting **Ask for reason**. By doing this, when the user changes the quality status through the inventory report, he will have to select a reason for this quality status change.

It is also possible to limit users from making certain quality status transitions.

This is done by selecting a [user group](#) for the transaction.

If a user wants to perform a quality status transition, he is only allowed to change it to a quality status that has no user group, or a quality status that has the user group he is assigned to.

*Please note that reasons or user group limitations do not apply when moving stock to a location with a predefined quality status.*

### 2.11. Reasons tab

Define the reasons that can be used in Produmex WMS flows on the Reasons tab. A reason might be required to perform certain actions or to explain why a specific action cannot be completed or a specific item cannot be used.

Add the code, name and sequence number of the reason. The sequence number defines the order the reason is shown on the terminals.

Then specify when the reason can be used by checking the corresponding checkbox.

If extra explanation is needed, check the 'Requires extra reason text' checkbox as well.



### 2.12. Connection between Reason & Location suggestion

For more information about location settings follow this link to the [Location controller](#) site.

When the location suggestion is enabled, the system will suggest a location for the stock that is being moved in the following flows:

- Reception (*In case of receiving on location instead of dock*)
- Put away
- Ad hoc moves
- Move orders
- Unpicking for production
- Undo picking
- Consolidated moves



When a destination location needs to be entered these flows will perform the following scenario:



## Check if location suggestions are enabled

### Enabled:


1. Get list of suggested locations
2. Show first suggested location on the screen
3. Enter a location or select a location
  1. The list of suggested locations is displayed on the screen after the 'Select location' button is pressed
4. When the location is not the first suggested location or an empty location:
  1. Enter a reason


### Not enabled:


1. Enter a location or select a location
  1. All valid locations are allowed

### Example - Ad Hoc Movement with default location and location suggestion

Let's see a simple example for an **Ad Hoc Movement** and how to configure the settings in **Item Master Data** for in Item that has to be asked for a reason to move to a Zone or out of the the Zone.

1. Make sure you enabled the **"Use Location Suggestion?"** option in your selected Warehouse where the preferred Zone is located for the Ad Hoc Movement. In this case I will use the  **GeneralWarehouse (01)**.

2. As a next step configure the chosen Bin under the preferred Zone.  
 **GeneralWarehouse (01) → Zone for logisticWh01 → B.0009**

3. Select and configure the default location on **Item Master Data → Produmex → Inventory**  tab for your chosen Item.

4. Open the Mobile Client to process the Ad Hoc Movement.

**Logistics → Move → Ad Hoc Movement → Local Move → Full Logistic Unit**

Now **"Scan an SSCC"**, in the example the Item's SSCC is **"00000000000000000314"**. Clicking on the forward button, as expected the default location is suggested on the bottom of the Mobile Client as we configured.



5. If you are selecting a Bin that is **NOT** the suggested location, the system will ask for a **reason**. Select and write your reason ant the Ad Hoc Movement will be done.



## 2.12. 3PL Invoicing tab

The 3PL Invoicing tab allows for defining the items to be used on the A/R invoices sent to the 3PL customers. 6 items can be defined, each corresponding to one type of 3PL price calculation:

- Inbound document count: price depending on the number of Goods Receipt POs
- Inbound line count: price depending on the number of lines in Goods Receipt POs
- Inbound item quantity: price depending on the item quantities received
- Outbound document count: price depending on the number of sales deliveries
- Outbound line count: price depending on the number of lines in sales deliveries
- Outbound item quantity: price depending on the item quantities delivered

Only non-inventory items can be selected and each item can be enabled or disabled. Prices corresponding to disabled items are added to the 3PL invoices.

In addition to the 6 types of 3PL price calculations, it is also possible to define 3PL price calculations based on the storage per location type. See section [Location Types](#).

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP  
Name: WMS\_Demo

Print Events | Zone Types | Page Sizes | Quality Statu | Reasons | **3PL Invoicing** | History Config | Workflows | Conf

| Code    | Name                    | ItemCode    | IsActive                            |
|---------|-------------------------|-------------|-------------------------------------|
| IN-DOC  | Inbound document count  | INV_INBOUND | <input checked="" type="checkbox"/> |
| IN-LINE | Inbound line count      |             | <input type="checkbox"/>            |
| IN-QTY  | Inbound item quantity   |             | <input type="checkbox"/>            |
| OU-DOC  | Outbound document count |             | <input type="checkbox"/>            |
| OU-LIN  | Outbound line count     |             | <input type="checkbox"/>            |
| OU-QTY  | Outbound item quantity  |             | <input type="checkbox"/>            |

Item Code: Inbound Delivery (INV\_INBOUND) ...

☒ Is Active?

Update

Ok Cancel Export Close

## 2.13. History Configuration tab

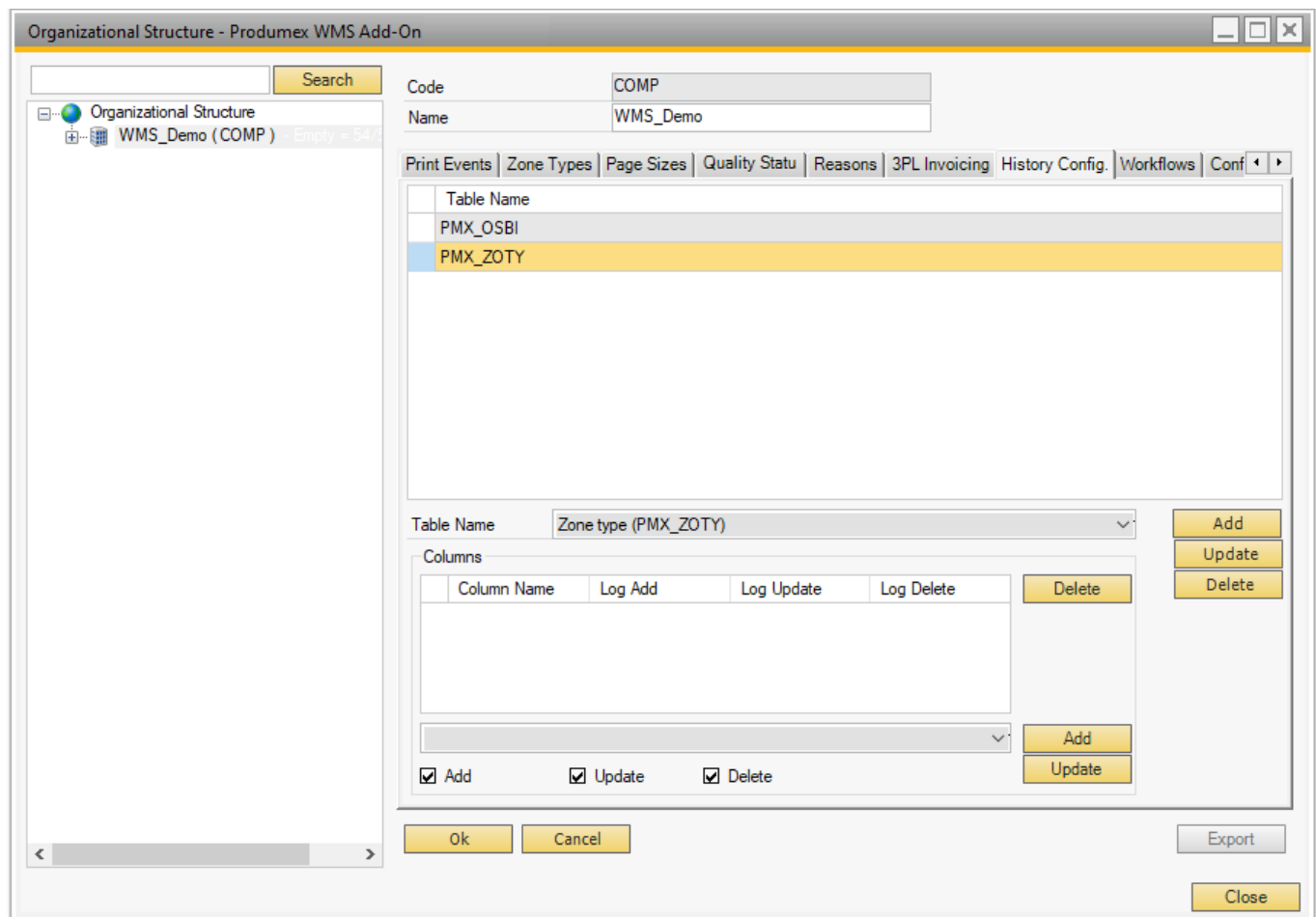
The History Configuration tab offers the possibility to define for which elements or aspects (which are

stored in individual database tables) the changes have to be tracked in the context of Audit Trail.

This can be changes to characteristics of specific Organizational Structure Elements (e.g. a bin, a zone, a production line, ... ) which need to be tracked, such as their name, zone type code, ...

It may also be necessary to track changes to specific characteristics of items, such as e.g. the shelf life of an item for the various business partners of a company. This is shown in the example below, where it has been configured that for the table "Item shelf life for partner" it has to be recorded when the shelf life for a specific item for a specific business partner is added, updated or deleted.

These changes will then be tracked by the Produmex Office function [Audit Trail](#).



## 2.14. Workflows tab

The Workflows tab of the Organizational Structure lists the workflows used by the system and makes it possible to adjust the workflows.

The the columns displayed in the table of workflows include:

- Name: Displays the name of the workflow.
- Version: Indicates the version of the workflow.
- Execution Type: Specifies the type of execution associated with the workflow.
- Objective: Provides a brief description of the workflow's purpose.
- Process Type: Indicates the related process type (e.g., inbound, outbound, production, printing).

- Details: Contains a working link to the workflow description in the wiki (if available).
- Type: Specifies the type of the workflow.
- Update Date Time: Displays the most recent update date and time of the workflow.

In the Filter field, users can narrow down their searches for Workflow scripts. the filter is not case sensitive, does not support wildcards, and has a maximum character limit of 100. As text is entered, the table will dynamically update, showing only the workflow lines where the Name column contains the entered text.

When editing a Workflow script after pressing the 'Edit Script' button, line numbers now help overseeing the code.

**Modifying workflows can cause serious disruption of processes and even data corruption. Extreme Caution is advised. It is recommended that only experienced WMS Consultants attempt to modify these workflows. Boyum IT cannot be held responsible for issues resulting from externally modified workflows.**

| Name                                   | Version | Execution Type | Objective                                                                                                                                                                    | Process Type                          | Details                                                             |
|----------------------------------------|---------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|
| EnterWeighingScript                    | 10      | SUB_FLOW       | Discontinued from ver.no.                                                                                                                                                    |                                       | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| EnterPackagingQuantityScript           | 10      | SUB_FLOW       | Discontinued from ver.no.                                                                                                                                                    |                                       | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| LogOnScript                            | 10      | SUB_FLOW       | Insert User Password Log-In screen                                                                                                                                           | Configuration                         | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| GetInitialDataScript                   | 10      | SUB_FLOW       | Initialize global parameters as Company/Culture/GTIN                                                                                                                         | Configuration                         | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| PurchaseMainFlowScript                 | 10      | SUB_FLOW       | Options for Purchase Menu                                                                                                                                                    | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| PutAwayDestinationLocationHookScript   | 19      | HOOK_FLOW      | Empty code to build destination locations logic for PutAway process                                                                                                          | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| ReceptionScript                        | 10      | SUB_FLOW       | Options for Reception submenu of Purchase Menu                                                                                                                               | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| BeforeReceptionQuantityHookScript      | 18      | HOOK_FLOW      | Empty space on the code for custom processes after the item is selected and before the quantity screen appears on the reception. Business Case: Show information of the Item | Inbound                               |                                                                     |
| AfterSSCIdentifiedForPutAwayHookScript | 19      | HOOK_FLOW      | Empty space on the code for custom processes after an SSC is identified on PutAway moves.                                                                                    | Inbound                               |                                                                     |
| ASNReceptionScript                     | 10      | SUB_FLOW       | Reception based on a CSV file for ensuring matching the Purchase Order                                                                                                       | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| PurchaseReturnScript                   | 10      | SUB_FLOW       | Handle Supplier returns when incorrect delivery of materials to destination.                                                                                                 | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| BulkReceptionScript                    | 10      | SUB_FLOW       | Receive goods directly into bulk locations, such as silos and tanks                                                                                                          | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| CreatePurchaseDocumentScript           | 10      | SUB_FLOW       | On the fly purchase order creation on the shopfloor                                                                                                                          | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| AfterLogisticUnitReceivedHookScript    | 18      | HOOK_FLOW      | Empty space on the code for custom processes after an SSC is finished on reception process. Business Case: show unloaded % of a Purchase Order after each Logistic Unit.     | Inbound                               | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| SelectProductFromStockScript           | 10      | SUB_FLOW       | Selects stock through the different levels SSC/No SSC, Product, Batch/Serial. Used in SelectProductFromStock.                                                                | Inbound/Inventory/Outbound            | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| EnterBatchAttributesScript             | 10      | SUB_FLOW       | Provide batch attributes information                                                                                                                                         | Inbound/Inventory/Production          | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| EnterQuantityScript                    | 10      | SUB_FLOW       | Handles different ways to define stock quantity                                                                                                                              | Inbound/Inventory/Production/Outbound | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| EnterQualityValuesScript               | 10      | SUB_FLOW       | Show quality types list and retrieve the selected value on thin client screens                                                                                               | Inbound/Production                    | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| BatchAttributesHookScript              | 18      | HOOK_FLOW      | Empty space on the code for custom processes when Batch Attributes values are required. Business Case: set a value assigned by any logic.                                    | Inbound/Production                    | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| ConsolidatedAdHocMoveScript            | 10      | SUB_FLOW       | Simultaneously move items from Logistic Unit(s) or a Location                                                                                                                | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| PutAwayScript                          | 10      | SUB_FLOW       | Move received pallets on the inbound dock to the warehouse. Different behavior may apply.                                                                                    | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| QualityStatusScript                    | 10      | SUB_FLOW       | Change stock quality status                                                                                                                                                  | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| ReceiveFromWHSScript                   | 10      | SUB_FLOW       | Move stock from non-PMX to PMX managed Warehouse                                                                                                                             | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| MovePartialSSCScript                   | 10      | SUB_FLOW       | Split and/or merge stock from a Logistic Unit to an existing or a new Logistic Unit                                                                                          | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| MoveOrderScript                        | 10      | SUB_FLOW       | Local or warehouse stock movements based on PMX move orders                                                                                                                  | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| MoveMultipleSSCScript                  | 10      | SUB_FLOW       | Move multiple Logistic Units at a time                                                                                                                                       | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |
| MoveMainFlowScript                     | 10      | SUB_FLOW       | Options for Move submenu of Logistics                                                                                                                                        | Inventory                             | <a href="http://wiki.produmex.name/">http://wiki.produmex.name/</a> |

## 2.15. Config tab

The Config tab list some configuration that can be done for several processes and customer specific configuration can be stored here.



## Google API key

- Route maps: An API key is needed to run the Google maps functionality.
- Each customer needs to get his own API key to be entered in the Google API key field.
- The Google API key must be created [here](#) and its status must be set to active.

For information about the ASOPLG and Create proposal settings click [here](#).

For information on the Interface monitor settings click [here](#).

## 2.16. Archiving tab

Produmex offers the option to manually archive data from closed documents in order to decrease database size and improve system performance.

The archiving process moves the selected data from closed documents into other tables in the same database or into a separate database, based on the configuration Archive databases and tables can be distinguished by the '\_AR' suffix in their name.

**It is recommended to make a backup of the DB before doing the Archiving.**

### 5.1.15.1. Configurations for archiving

Adjust the settings of the archiving process in the *Archive Controller* (Please see *Extension Parameters / Archiving Controller*).

### 5.1.15.2. Perform archiving

To execute the archiving process, go the Archiving tab in the Organizational Structure on the company level.

The Archive database field is prefilled based on the Use separate database setting in the [Archiving Controller](#). When there is an \_AR suffix at the end of the database name, the archiving is executed to a separate database.

The Days to keep live field is prefilled based on the Days to keep data in live database before moving to archive setting in the [Archiving Controller](#). This number can be modified before executing the archiving.

Click on the Execute button to initiate the archiving process.

Organizational Structure - Produmex WMS Add-On

Search

Code: COMP

Name: WMS\_Demo

Zone Types | Page Sizes | Quality Statu | Reasons | 3PL Invoicing | History Config | Workflows | Config | Archiving

Archive database: WMS\_Demo.PMX\_AR

Days to keep live: 730

Execute

Ok Cancel Export Close

#### 5.1.15.3. Steps before the first archiving

When executing the archiving the first time, the archiving database (if configured) and the archive tables will be created first.

**Changing the *Use separate database* setting after the first archiving is not supported as it can cause issues.**

Before creating the database and the tables, the system will ask for confirmation. Click on 'Yes' to proceed with the archiving.



After creating the archive tables, the system will ask for confirmation whether to continue with the archiving. Click Yes.



#### 5.1.15.4. Archive tables

The system creates the following archive tables:

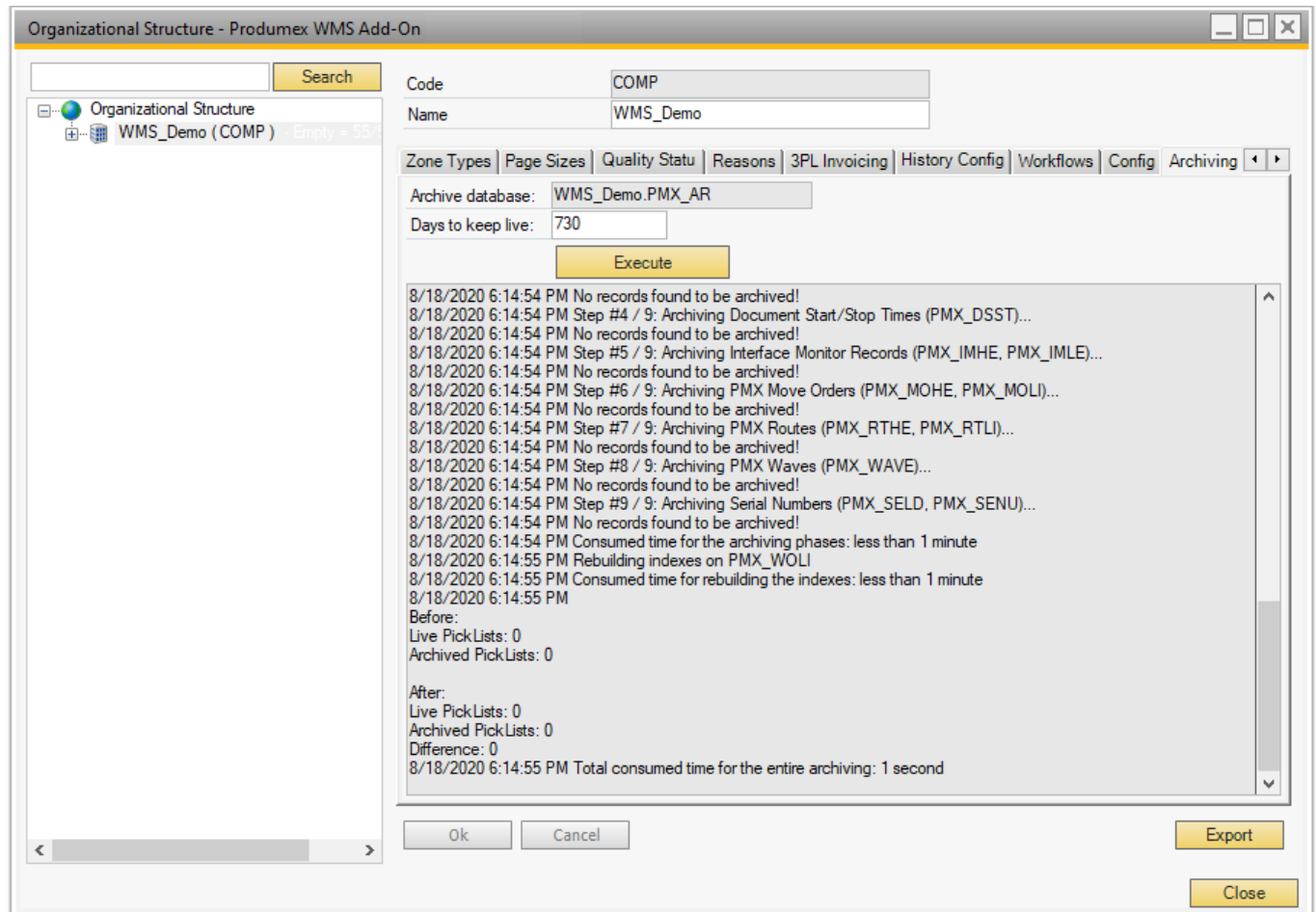
- PMX\_AR\_COHE
- PMX\_AR\_COLI

- PMX\_AR\_DLPL
- PMX\_AR\_DSST
- PMX\_AR\_IMHE
- PMX\_AR\_IMLI
- PMX\_AR\_INVD
- PMX\_AR\_LPLM
- PMX\_AR\_MOHE
- PMX\_AR\_MOLI
- PMX\_AR\_MVHE
- PMX\_AR\_MVLI
- PMX\_AR\_PIOP
- PMX\_AR\_PLHE
- PMX\_AR\_PLLI
- PMX\_AR\_PLLO
- PMX\_AR\_PLPH
- PMX\_AR\_PLPL
- PMX\_AR\_RTHE
- PMX\_AR\_RTLI
- PMX\_AR\_SSHH
- PMX\_AR\_SSHL
- PMX\_AR\_WAVE
- PMX\_AR\_WDET

#### 5.1.15.5. Archiving process

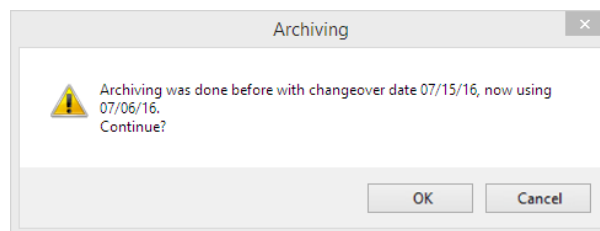
After clicking the Execute button, the system starts the archiving. During the process, the system displays the following information:

- The time of the archiving
- The tables where the archiving was conducted
- The number of the archived documents
- The number of the live and archived picklists before and after the archiving, and the difference between them (the number of the newly archived picklists).



#### 5.1.15.6. Archiving with a prior changeover date

Since during the archiving process only closed documents are archived, there are cases when an archiving with a longer history to keep than the previous one is desired. A confirmation window will pop up if the system finds that the new changeover date is prior to the previous one. Click OK to proceed.



#### 5.1.15.7. Archived documents

Archived PDMX documents (move documents, picklists and picklist proposals) can be distinguished by the added 'archived' text in their title. SAP navigation buttons are disabled in archived document screens.

#### Move screen





Pick list screen



Pick list proposal screen



3. Organizational Structure Element Settings

All Organizational Structure Elements have a Code and a Name field. Once the code is created, it cannot be changed.

3.1. Warehouse settings

On the warehouse level the following settings can be defined:

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

- WMS\_Demo (COMP) - Empty = 54/5
  - GeneralWarehouse (01) - Empty = 54/5
  - SecondWarehouse (02) - Empty = 54/5
  - ThirdWarehouse (03) - Empty = 54/5

Code01

NameGeneralWarehouse

WarehouseGeneral Warehouse (01)

Stor. Loc. Logistic CarriersLogChar1 (LC\_1)

Stor. Loc. Returnable ItemsB.0009 (B.0009)

Location 'Lost and Found'LAF\_01 (LAF\_01)

☐ Use Location Suggestions?

OkCancelInventory

Close

Warehouse

This is the link between the warehouse defined in Produmex and the warehouse in SAP Business One (Cfr. Administration → Setup → Inventory → Warehouses.)

Each SAP warehouse can only be linked once in Produmex warehouses.

### ***Stor. Loc. logistic carriers***

The location in the warehouse where the logistic carriers are located (*in case you have indicated at the company level that logistic carriers have to be stored at one location per warehouse*).

This location needs to be a pick location!

### ***Stor. Loc. returnable items***

The storage location for the returnable items. This is used when inventory returnable items are used.

### ***Location 'Lost and Found'***

The 'Lost and Found' location for that warehouse. All item differences counted during cycle counting (*indirect cycle counting*) will be moved to the Lost and found location in case this is set up on the [CycleCountController](#).

Stock on storage locations set for Lost and found, logistic carriers, ... are not taken in account to create pick list (proposals).

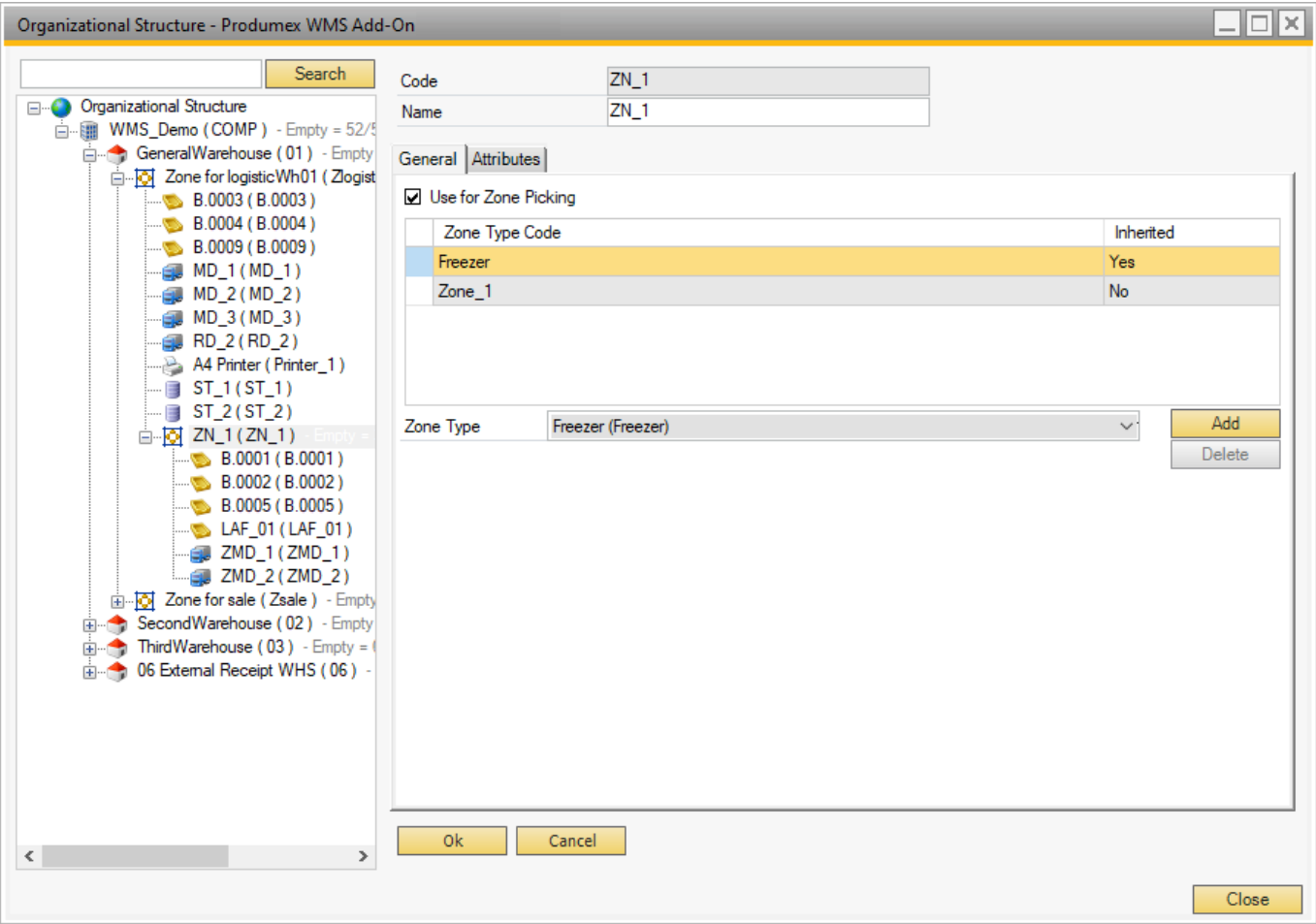
### ***Use location suggestions?***

Set whether location suggestions will be used for move in or to this warehouse. This is used in the [Location Suggestions](#) functionality.

## **Organizational Structure: Zone settings**

On the level of zones the following general settings and attributes can be defined.

### **General tab**



**Use for Zone Picking**

If the setting is enabled, the zone can be selected during the [Zone Picking Flow](#).

**Zone Type**

The Zone Type drop-down menu lists the zone types that are configured on the [Zone Types](#) tab of the Organizational Structure. More than one zone type can be added to the zone.

If the zone is the main zone and has one or more sub-zones, the zone type of the main zone also applies to its sub-zones. When a sub-zone is created, it automatically inherits the zone type of the main zone. For more information see [Working with Zones and Zone Types](#).

**Inherited**

The Inherited column shows Yes if the zone type is inherited from the main zone. The inherited zone type cannot be deleted manually on the level of the sub-zone. If the zone type of the main zone is deleted, the system also deletes the given zone type of the sub-zones.

**Attributes tab**

On the Attributes tab you can add location attribute types and define attribute values for the zone.

| Attribute Code | Attribute Value | Is Inherited Value |
|----------------|-----------------|--------------------|
| ATT1           | 25              | True               |
| ATT5           | V2              | True               |
| ATT3           | 35.5            | False              |

## Attribute Code

The Attribute Code drop-down menu lists those attribute types that are defined on the [Produmex Location Attribute Types \(PMX\\_OSAT\)](#) default form.

## Attribute Value

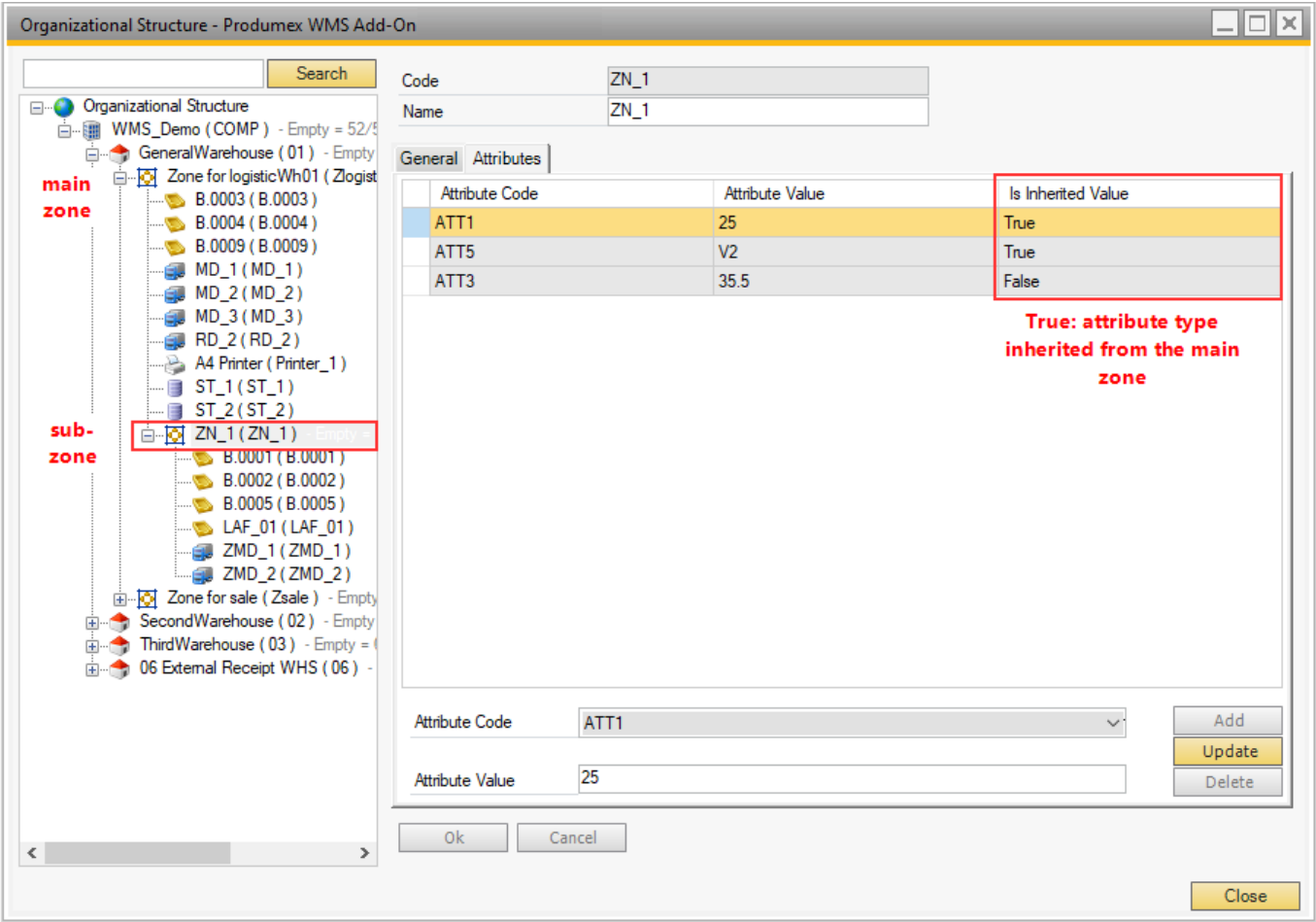
In the attribute value field you can add values to the location attribute based on the convertor defined for the location attribute type.

- In case of location attribute types with convertor String, Int, Double and Date, you can manually add values in the Attributes Value field.
- In case of location attribute types with List convertor type, the Attribute Value drop-down menu lists the valid values for the selected location attribute type. The list of the drop-down menu can be defined on the [Valid Values for Produmex Location Attributes \(PMX\\_OAVV\)](#) default form.

## Is Inherited Value

If the Is Inherited Value column shows True, the attribute type and the attribute value are inherited from the main zone.

For information on working with location attributes see [Put Away Strategy and Move Restrictions](#).



3.3. Production line settings

In Produmex WMS a production line is always subordinate to a warehouse.

There are multiple ways of doing production:

- **Production Flow**: This flow handles the receipt from production and issue for production in the client
- **Production Manager** and **Receipt from Production Flow**: On the scanner/touchscreen the receipt for production is booked. The Production Manager handles the starting and stopping of the production order.

Note: Make sure you do not use the same production line for both flows.

The following settings can be defined for a production line:

3.3.1. General



Active

If it is enabled, the production line is active. A production line can only be active when the Input Location, Output Location and Rest Location fields are filled in.

### **Only 1 started production order allowed**

If it is enabled, only one started production order is allowed for the production line.

The setting applies to the Production Manager and Receipt from Production Flow. The Production Flow always forces to have only one production order started on the production line.

### **Consume All Material on Production Line When Closing Production Order**

With the end of the production all materials linked to the production line are issued, that is, no stock remains on the production line and the remaining quantity is 0.

The issued quantity can be equal to or higher than the planned quantity on the Issue for Production document.

Prerequisites:

- *Only 1 started production order allowed* setting on the level of the production line is enabled.
- The *Production Type* on the level of the production line is set to SPL\_CONS\_LOCK.

The setting applies to the following flows:

- [Production with Production Manager](#)
- [Receipt from Production Flow](#)
- [Production Flow](#)

If the production order is closed on the [Production Manager](#), by default the used quantity equals the on-line quantity and the remaining quantity is 0. The used quantities and the remaining quantities can be changed.

If the production order is closed during the [Production Flow](#), by default the used quantity equals the on-line quantity and the rest quantity is zero on the *Enter quantity to consume* screen. The used quantities and the remaining quantities can be changed.

If the production order is closed during the [Receipt from Production Flow](#), all materials on the production line are issued for the production order. The used quantity cannot be changed.

Note:

- The setting does not apply to the Put on Hold step during production.
- If the *Use Waste?* (Y/N) setting on the [production controller](#) is enabled, the remaining quantities are issued in a different document as waste materials.

### **Pick to location**

The location where the needed ingredients are picked to. When this is not filled in, the system uses the input location. The Component Weighing Flow uses the Pick to location as input for the items to be weighed. The weighed items will be stored on the input location. Stock on a Pick to location is not taken in account to create picklist proposals.

### **Lock items picked to this location**

If the setting is enabled, the *Picking for Production Flow* and the *Picklist for Production Flow* locks the items that are picked to this location. During the *Component Weighing Production Flow* the locked stock is moved to the input location after it was weighed.

On a [Beas-WMS integration environment](#) the stock is locked regardless the value of this setting.

**Input location**

The location where the needed ingredients are picked to. the production flows move stock from the input location to the production line. Stock on an input location is not taken in account to create picklist proposals.

**Output location**

The location where the finished products will be stored.

**Rest location**

Location to which the rest of used materials and ingredients are moved. It is possible to use the input location as rest location. In this case the remaining items will be ready to use for the next production order.

**Parent production line**

The parent production line is used if for instance the production is done in several steps. In this case the user can define the sequence of the production lines.

**Production manager type**

This is used when the processing of the production issues is done administratively. The setting is used only by the Production Manager.

It has two possible values:

- **SPL\_CONS\_LOCK**: When producing on the shop floor, the items to consume are not directly consumed, but they are locked. When processing the production order administratively, the system will use the locked stock as base for the consumption.
- **MPL\_CONS\_INPUT**: When the users do not want to perform the tasks to move the correct stock to the production line when producing, this option is used. When processing the production order administratively, all stock on the input location is used as base for the consumption. Furthermore, all production orders on production lines with the same input location will be processed in 1 time.

**Current production order**

The current production order for this production line (*read-only*)

**Can be lined up**

Some locations can be lined up. If a location is added here, it means the stock in this location is used directly, and does not need to be picked. This is usually used for tanks and/or silo's.

However an output location of another production line can also be set as 'lined up'. Now the produced items on the 'previous' (*linked*) production order can directly be used instead of picking the items. Stock on possible lined up location is not taken in account to create pick list (proposals).

**Produce ingredients**

This option is used if a linked production order needs to automatically produce stock.

The prerequisites for this to work correctly, is that the lined up location is used as an output location on another production line. At the time of production on the shopfloor, a started production order needs to be found on the production line with as output location the lined up location.

**Lined up locations**

The current lined up locations

### 3.3.2. Cycle count

Organizational Structure - Produmex WMS Add-On

Search

Code: PR.PL10  
Name: PR.PL10

General | Cycle Count

Cycle Counting **Location Not Counted Yet**

☐ Allow Location to Be Counted During Cycle Count  
☐ Allow Location to be Counted During Other Operations  
☐ Location Needs to Be Counted Now

Count After Number of Days: 0  
Count After Number of Operations: 0  
Locked By:

Ok Cancel Inventory Close

#### ***Allow location to be counted during cycle count***

Is the location allowed to be counted?

#### ***Allow location to be counted during other operations***

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

#### ***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

#### ***Count after X days***

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

#### ***Count after X operations***

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

#### ***Locked by (read-only field)***



This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

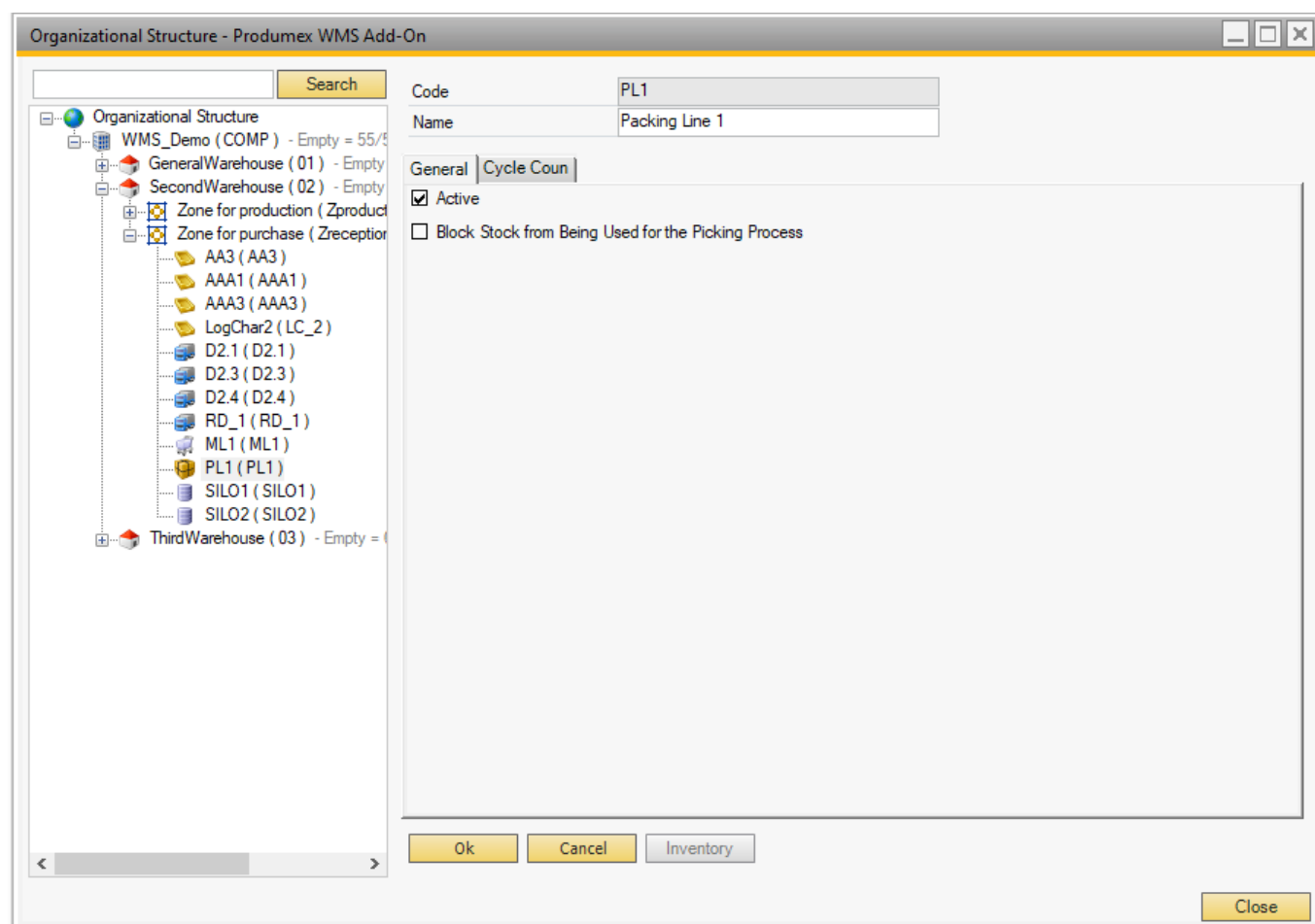
Stock on locked locations is not taken in account to create pick list (proposals).

### 3.4. Packing line settings

On a packing line, items that have been picked on a movable location (picking cart) can be packed onto a logistic carrier to be shipped as a logistic unit with an SSCC.

Under the level of the packing line, a thin client element can be created directly (Mobile Client touchscreen mode).

#### 3.4.1. General settings



#### **Active**

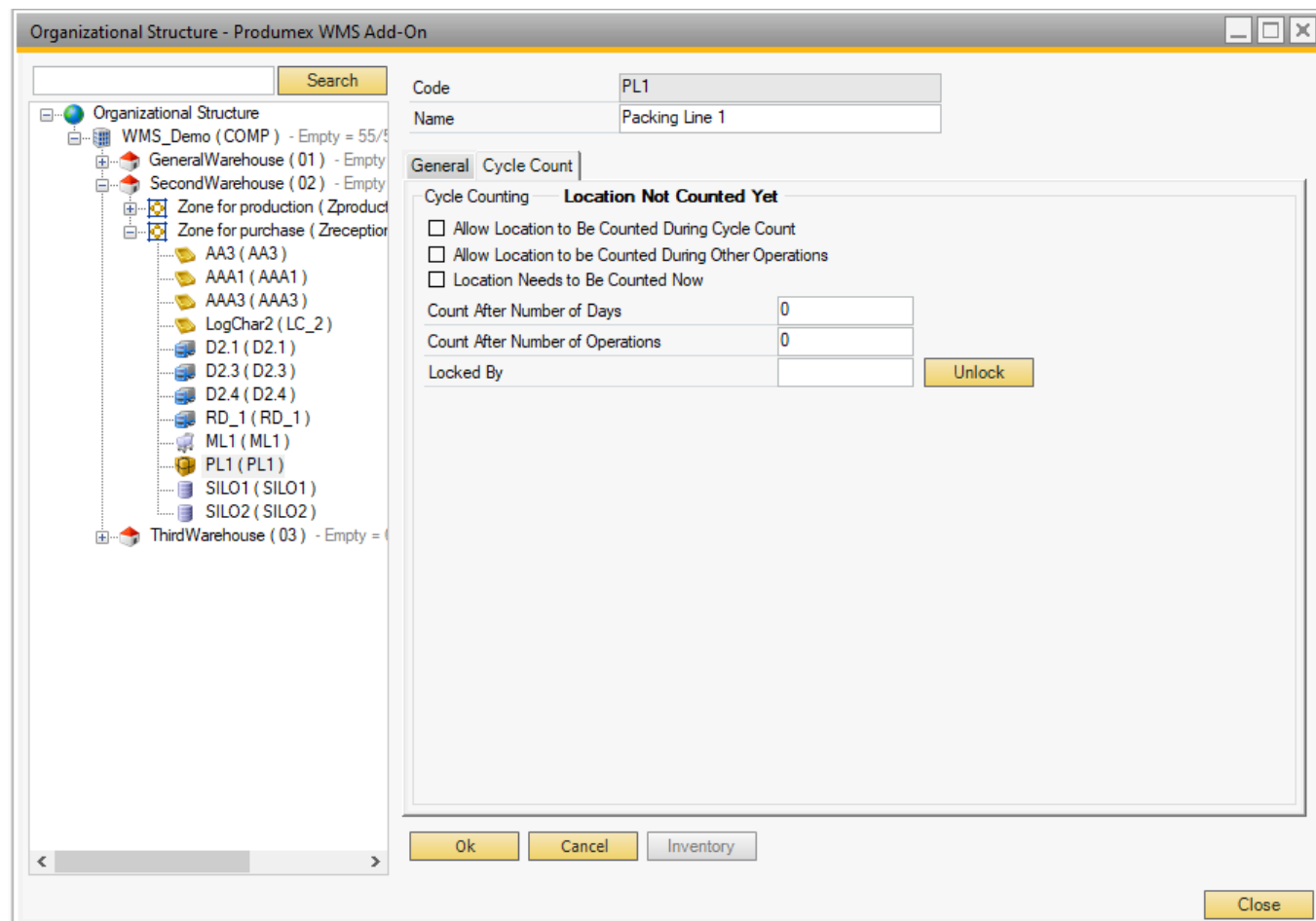
Set whether or not the packing line is active.

#### **Block stock from being used for the picking process**

If this setting is enabled, the stock on this location cannot be used to put on a proposal. Also when a

pick list gets the allocation on location level, these locations are not taken in account.  
The locations with this flag to true are added to the view PMX\_DISALLOWED\_LOCATIONS\_FOR\_PICKING

### 3.4.2. Cycle count



#### ***Allow location to be counted during cycle count***

Is the location allowed to be counted?

#### ***Allow location to be counted during other operations***

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

#### ***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

#### ***Count after X days***

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

#### ***Count after X operations***

If the number of operations since the last count exceeds the defined number of operations, the

location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

### ***Locked by (read-only field)***

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

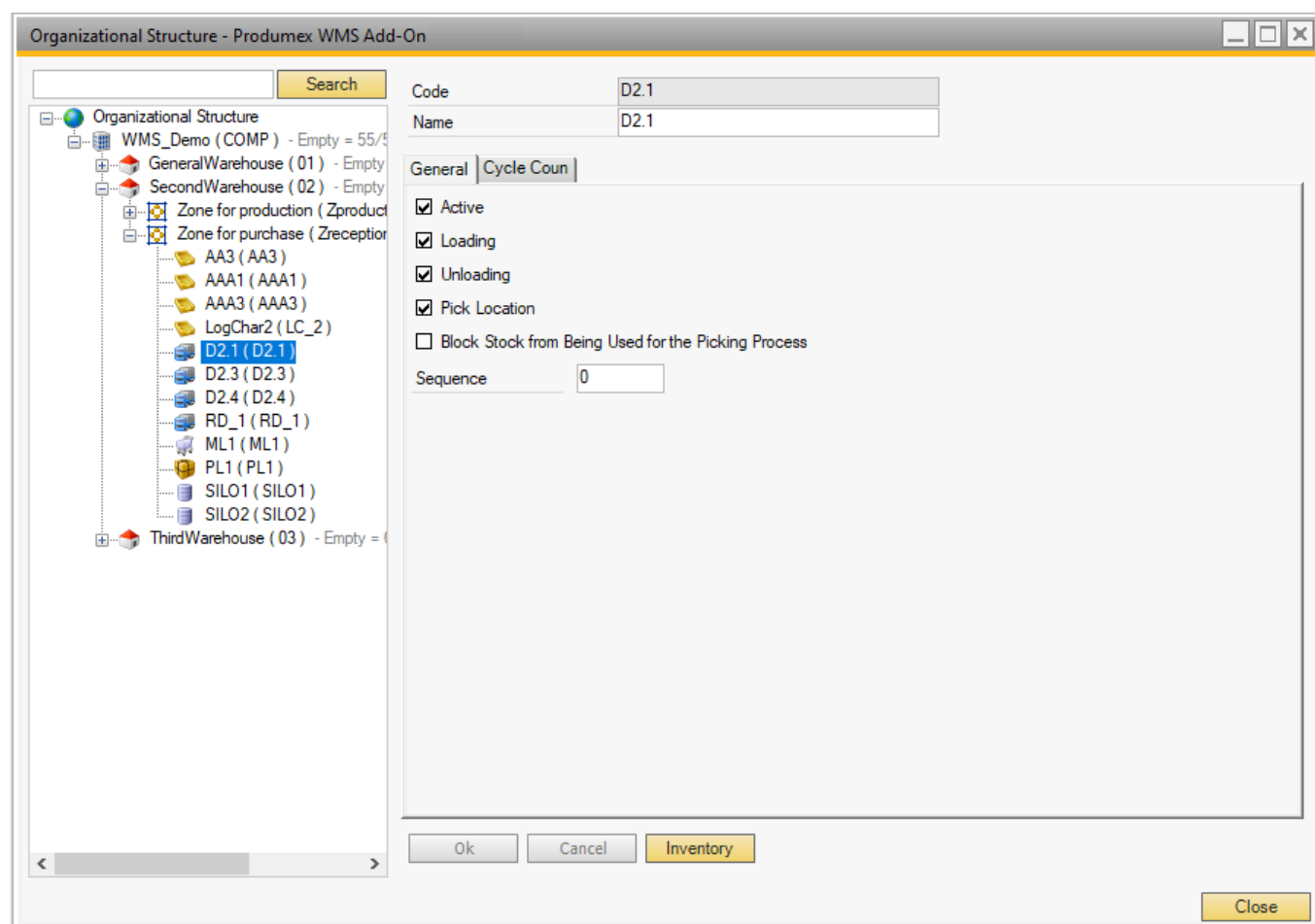
The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

## **3.5. Dock settings**

At the dock level the following settings can be made:

### **3.5.1. General**



### **Active**

Set whether or not the dock is active.

### **Loading & unloading**

Whether the dock can be used for loading, unloading or both.

### Pick location

Set whether a dock can also be a pick location (e.g. whether or not newly received goods that are still on the receiving dock can already be considered for picking)

### Block stock from being used for the picking process

If this setting is enabled, the stock on this location cannot be used to put on a proposal. Also when a pick list gets the allocation on location level, these locations are not taken in account.

The locations with this flag to true are added to the view PMX\_DISALLOWED\_LOCATIONS\_FOR\_PICKING

### Sequence

The order in which the products at this location will be used to compose a picking order. The pick locations with the lowest sequence number will be used first to complete the pick order.

This option is visible only if the checkbox of *Pick location* is checked in.

### 3.5.2. Cycle count

The screenshot shows a software window titled "Organizational Structure - Produmex WMS Add-On". On the left is a tree view of the organizational structure, including "WMS\_Demo (COMP)", "GeneralWarehouse (01)", "SecondWarehouse (02)", and "ThirdWarehouse (03)". Under "SecondWarehouse (02)", there are several sub-locations, including "D2.1 (D2.1)". On the right, the "General" tab is selected, and the "Cycle Count" sub-tab is active. The "Cycle Counting" section is titled "Location Not Counted Yet". It contains three checkboxes: "Allow Location to Be Counted During Cycle Count", "Allow Location to be Counted During Other Operations", and "Location Needs to Be Counted Now". Below these are two input fields: "Count After Number of Days" (set to 0) and "Count After Number of Operations" (set to 0). There is a "Locked By" field and an "Unlock" button. At the bottom of the window are "Ok", "Cancel", "Inventory", and "Close" buttons.

### Allow location to be counted during cycle count

Is the location allowed to be counted?

### Allow location to be counted during other operations

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

***Count after X days***

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

***Count after X operations***

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

***Locked by (read-only field)***

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

**Organizational Structure: Bin location settings**

On the level of bin locations the following settings can be defined.

**General tab**

Organizational Structure - Produmex WMS Add-On

Search

Code: B.0003  
Name: B.0003

General | Cycle Coun | Put away | Attributes

☒ Active Location Type: [v]  
☒ Pick Location ☐ Priority picking Sequence: 0  
☐ Can be Destination for Picking ☐ Block Stock from Being Used for the Picking Process  
☒ Can Be Lined Up ☐ Direct Consumption of Goods (Production Manager)  
☐ Block Move When Location Is Not Empty Max Logistic Units: [v]  
Block on Different Item or Batch: None (N) Quality Status: [v]  
Verification Code: [v]  
☒ Fixed ☐ Can Be Replenished

| Item Code | Min Quantity | Max Quantity | Replenish Qty |
|-----------|--------------|--------------|---------------|
| ITEM06    | 25           | 30           | 0             |

Item: [v] Batch number + best before date with UOM group(ITEM06) [v] Add  
Min Quantity: 25 Update  
Max Quantity: 30 Delete  
Replenish Quantity: 0 Search

Ok Cancel Inventory Close

## Active

Enable the setting if the bin location is active.

## Location Type

It is possible to define a location type and link it with a bin location. This information has no technical use, it is for information purposes only.

The location types to be displayed in the drop-down menu can be set in the [Location types \(PMX\\_LOTY\)](#) default form.

## Pick Location

Enable the setting if the bin location is a pick location. If this is not the case the items that are stored at this location cannot be used for composing a shipment (order picking). A bin that is not used for picking (bulk location) can be used to store safety stock that is used to replenish various pick locations.

## Priority Picking

If the bin location is a pick location, an additional Priority Picking checkbox is displayed. When this checkbox is checked, the bin location has a higher priority during stock allocation for picklists than other bin locations.

## Can be Destination for Picking

Enable the setting if the bin location can be a destination destination location of the picking process. If the setting is enabled, it is possible to select this location as dock on the picklist.

## Sequence

The order in which the products at this location are used to compose a picking order. The pick locations with the lowest sequence number are used first to complete the pick order.

### **Block Stock from Being Used for the Picking Process**

If this setting is enabled, the stock on this location cannot be used to put on a proposal. When a picklist gets the allocation on a location level, these locations are not taken in account.

If the setting is enabled, replenishment orders do not take stock from locations.

If the setting is enabled, the location is added to the view

PMX\_DISALLOWED\_LOCATIONS\_FOR\_PICKING.

### **Can be Lined Up**

If the option is selected, the stock in the location is used directly and does not need to be picked.

When there is a component to be lined up in the production order, the location can be selected during the [Production flow](#).

### **Direct Consumption of Goods (Production Manager)**

If the option Can Be Lined Up is set to true, this option is visible. By default, the lined up locations are not directly consumed when using the production manager (*Production Receipt flow*). The stock is locked for the production order, and it is consumed when stopping the production order using the production manager. If this option is set to true, the goods that are lined up on this location, are automatically consumed on the receipt from production.

### **Block Move When Location Is Not Empty.**

If this setting is enabled, a move to this location when it is not empty is not allowed.

### **Block On Different Item or Batch**

- None: Nothing will happen.
- Warn: Display a warning message when a different item or a different lot number will be added to that location. This warning is only when using the RF terminals.
- Block: Block the move when a different item or a different lot number will be added to that location.

### **Max Logistic Units**

The maximum number of allowed logistic units (SSCCs).

If the stock is not on an SSCC, the system considers all of the stock as one logistic unit.

This blocks moves when the given value is exceeded, and this is also used when proposing locations on the devices.

### **Quality Status**

This option forces a certain quality status on the location.

When adding/moving stock to the location, the system will check whether the quality status of the stock matches with the quality status of the location. If the quality status does not match, the following can happen:

- When booking a move through the handheld device or the Produmex inventory report, the system will automatically set the quality status of the stock to the quality status of the location and then it will perform the move.
- When booking a move with other processes, the system will not change the quality status of the stock and the move will be blocked.

When performing a direct cycle count on a location with a quality status, newly created stock will get this quality status.

*How to set up location where only released stock can be stored, but avoid the quality status change when non-released stock is moved on the location*

On the [Quality status tab](#) disable the *Can be put on a pick location* setting for every quality status that is not allowed on the given location. Then enable the pick location setting for the given bin location. Set the reception/quality control area as a non-pick location.

This way only the allowed quality statuses can be stored on pick locations.

## Verification Code

The verification code is a unique code which can be used for verifying bin locations in the different flows. It has the same function as a bin location code, but it is more complex and its use is optional.

By default, you can verify the correct bin location on your scanner by scanning the bin location code or entering it manually, in which case an incorrect code may be entered. With a verification code, you can make sure that the correct bin location is verified because verification codes are not shown on the scanner and force the user to scan the barcode instead of manually entering the code.

Providing a verification code is optional and you can either use the verification code or the bin location code for verifying the correct bin location in the different flows:

- If a verification code is added to a bin location, you need to verify the bin location by scanning its verification code or scanning its bin location code.
- If no verification code is provided to the bin location, you need to verify the bin location by providing its bin location code.

Note: The verification code must be unique. It cannot be used by another bin, and it cannot be an existing location code. If you want to add a verification code to more than one bin location, make sure that each bin location has its own, unique verification code. If you add a verification code which is already used by another bin location, the system displays an error message.

## Fixed

Indicates that the storage location is used for specific products. In this case a minimum, maximum quantity is defined for the item on that location.

When a location is fixed, the system will block local moves for other products into that location.

## Can Be Replenished

Enables this option if the bin location can be taken in account for replenishment orders.

A minimum, maximum and replenish quantity needs to be set.

This can only be set when the location is a pick location.

## Cycle Count tab



Organizational Structure - Produmex WMS Add-On

Search

Code: B.0003  
Name: B.0003

General Cycle Count Put away Attributes

Cycle Counting **Location Not Counted Yet**

☒ Allow Location to Be Counted During Cycle Count  
☒ Allow Location to be Counted During Other Operations  
☐ Location Needs to Be Counted Now

Count After Number of Days: 0  
Count After Number of Operations: 0

Locked By:  Unlock

Ok Cancel Inventory Close

### Allow location to be counted during cycle count

Is the location allowed to be counted?

### Allow location to be counted during other operations

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

### Locations needs to be counted now

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

### Count after X days

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

### Count after X operations

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

### Locked by (read-only field)

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

## Put Away tab

This is used in the Location Suggestions functionality.

| Put Away Zone | Sort the Pick Sequence Descending? | Location Belongs to Put Away Zone? | Sequence Number |
|---------------|------------------------------------|------------------------------------|-----------------|
| PA_Zone1      | <input type="checkbox"/>           | <input type="checkbox"/>           | 1               |

## Item Location Type

This can be used to link a location to an item.

An item can also have an item storage location type.

When locations need to be suggested, and an item has a location item type selected, only locations with the same item location type are allowed. The list of item storage location types is stored in the [PMX\\_ISLT](#) default form.

## Put Away Zone

This stores for a certain storage location:

- What the zones are where the items can be placed
- Or to what put away zone a location belongs to

The list of the Put Away Zone drop-down menu is defined by the [Put away zone \(PMX\\_PAZO\)](#) default form.

## Sort the Pick Sequence Descending?

Locations belong to a put away zone. How are locations within this zone sorted? Pick sequence

descending or ascending?

**Location Belongs to Put Away Zone?**

Does this location belong to a put away zone? If it is not checked, it means that when goods need to be put away for the current location, the system should look for locations that belong to this zone. If it is checked, the location belongs to this put away zone.

**Sequence number**

This is the sequence number for the put away zones. It defines the order in which locations in a put away zone needs to be retrieved.

For more information see [Location Suggestions](#).

**Attributes tab**

On the Attributes tab you can add location attribute types and define attribute values for the bin location.

Organizational Structure - Produmex WMS Add-On

Search

Organizational Structure

- WMS\_Demo (COMP) - Empty = 52/5
  - GeneralWarehouse (01) - Empty
    - Zone for logisticWh01 (Zlogist
      - B.0003 (B.0003)
      - B.0004 (B.0004)
      - B.0009 (B.0009)
      - MD\_1 (MD\_1)
      - MD\_2 (MD\_2)
      - MD\_3 (MD\_3)
      - RD\_2 (RD\_2)
      - A4 Printer (Printer\_1)
      - ST\_1 (ST\_1)
      - ST\_2 (ST\_2)
      - ZN\_1 (ZN\_1) - Empty =
      - Zone for sale (Zsale) - Empty
        - SecondWarehouse (02) - Empty
        - ThirdWarehouse (03) - Empty =
        - 06 External Receipt WHS (06) -

CodeB.0003

NameB.0003

General | Cycle Coun | Put away | Attributes

| Attribute Code | Attribute Value | Is Inherited Value |
|----------------|-----------------|--------------------|
| ATT1           | 25              | True               |
| ATT5           | V2              | True               |
| ATT3           | 25.5            | False              |

Attribute CodeATT1

Attribute Value25

Add

Update

Delete

Ok

Cancel

Inventory

Close

**Attribute Code**

The Attribute Code drop-down menu lists those attribute types that are defined on the [Produmex Location Attribute Types \(PMX\\_OSAT\)](#) default form.

**Attribute Value**

In the attribute value field you can add values to the location attribute based on the convertor defined

for the location attribute type.

- In case of location attribute types with convertor String, Int, Double and Date, you can manually add values in the Attributes Value field.
- In case of location attribute types with List convertor type, the Attribute Value drop-down menu lists the valid values for the selected location attribute type. The list of the drop-down menu can be defined on the [Valid Values for Produmex Location Attributes \(PMX\\_OAVV\)](#) default form.

## Is Inherited Value

If the Is Inherited Value column shows True, the attribute type and the attribute value are inherited from the zone.

For information on working with location attributes see [Put Away Strategy and Move Restrictions](#).

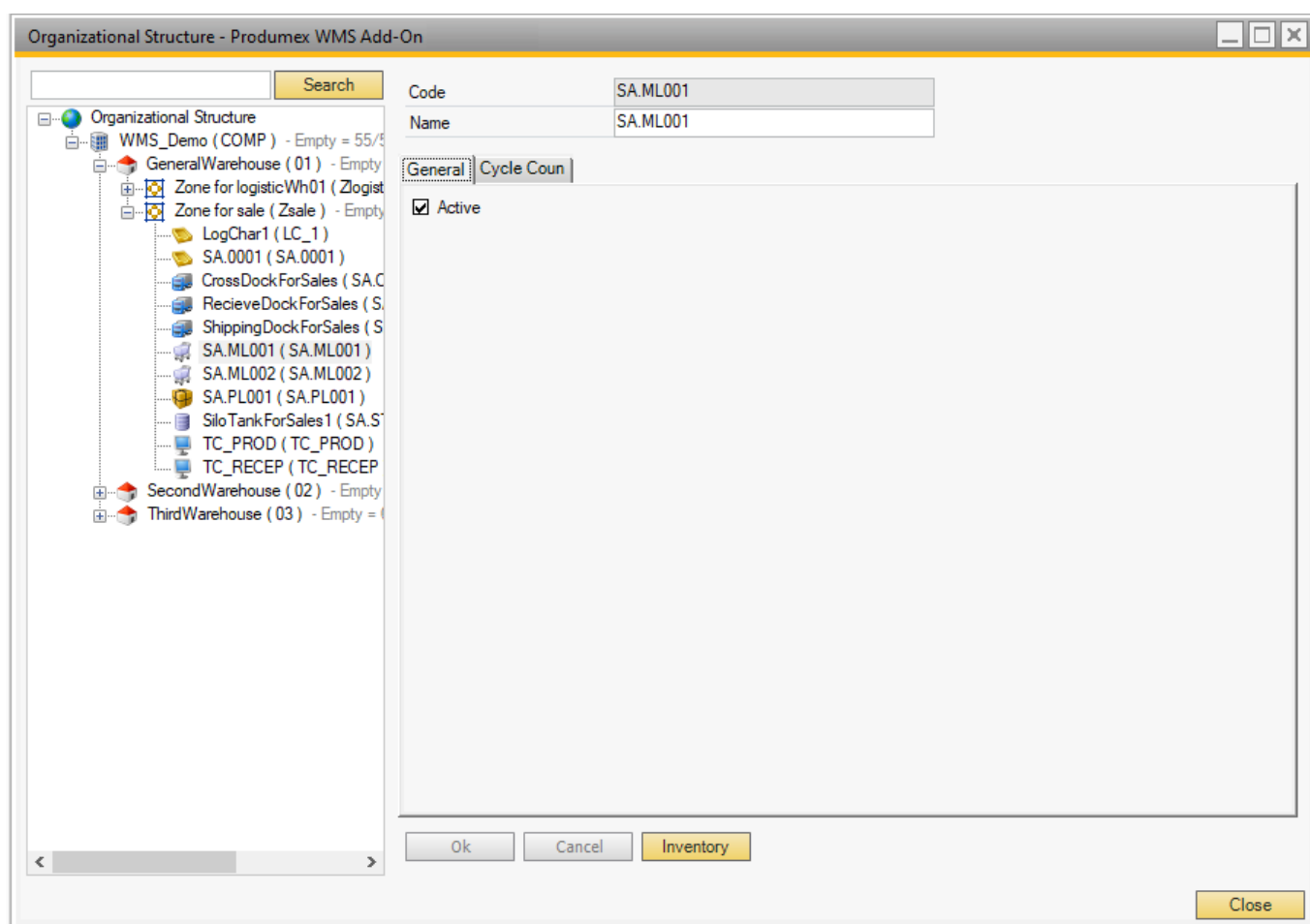
| Attribute Code | Attribute Value | Is Inherited Value |
|----------------|-----------------|--------------------|
| ATT1           | 25              | True               |
| ATT5           | V2              | True               |
| ATT3           | 25.5            | False              |

**True: attribute type inherited from the zone**

## 3.7. Movable location settings

A movable location is an intermediate storage location: this can be a cart, a movable rack, etc. A movable location allows the operator to pick one or more orders and pack them onto a logistic carrier at another location (packing station).

### 3.7.1. General



In the organization structure it is possible to set the code and name of a moveable location and define whether or not it is active.

Stock on movable locations is not taken in account to create pick list (proposals).

### 3.7.2. Cycle count

A moveable location can also be used in the cycle counting and has the same settings as a bin location.

Organizational Structure - Produmex WMS Add-On

Search

Code: SA.ML001  
Name: SA.ML001

General Cycle Count

Cycle Counting Location Not Counted Yet

☐ Allow Location to Be Counted During Cycle Count  
☐ Allow Location to be Counted During Other Operations  
☐ Location Needs to Be Counted Now

Count After Number of Days: 0  
Count After Number of Operations: 0

Locked By: [ ] [Unlock]

Ok Cancel Inventory Close

### ***Allow location to be counted during cycle count***

Is the location allowed to be counted?

### ***Allow location to be counted during other operations***

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

### ***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

### ***Count after X days***

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

### ***Count after X operations***

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

### ***Locked by (read-only field)***

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

### 3.8. Silo/Tank settings

At the level of silo or tank the settings below can be defined.

The *Consumption Algorithm* is a mandatory setting, make sure that it is properly set.

#### 3.8.1. General



##### **Active**

Set whether or not it is active.

##### **Can be lined up**

If the option is selected, the stock in the location is used directly and does not need to be picked.

When there is a component to be lined up in the production order, the location can be selected during the [Production flow](#).

##### **Direct consumption of goods (Production manager):**

If the option 'Can be lined up' is set to true, this option is visible. By default the lined up locations are not directly consumed when using the production manager (*ProductionReceipt flow*). The stock is locked for the production order, and it is consumed when stopping the production order using the production manager. If this option is set to true, the goods that are lined up on this location, will be automatically consumed on the receipt from production.

##### **Sequence**

The order in which the products at this location will be used to compose a picking order. The pick locations with the lowest sequence number will be used first to complete the pick order.

##### **Max quantity**

The maximum quantity. This is for informational purposes.

This will not block a move when quantity will be exceeded.

##### **Pick location**

Set whether or not it can be used as a pick location

##### **Block stock from being used for the picking process**

If this setting is enabled, the stock on this location cannot be used to put on a proposal. Also when a pick list gets the allocation on location level, these locations are not taken in account.

The locations with this flag to true are added to the view PMX\_DISALLOWED\_LOCATIONS\_FOR\_PICKING

##### **Block move when location is not empty.**

If set, a move to this location when is not empty is not allowed.

##### **Block on different item or batch**

- None: Nothing will happen
- Warn: Display a warning message when a different item or a different lot number will be added to that location. This warning is only when using the RF terminals.
- Block: Block the move when a different item or a different lot number will be added to that location.

### **Fixed**

Set whether the silo/tank is reserved for a specific product and if so which are the minimum and maximum quantities.


### **3.8.2. Consumption Algorithm**



The consumption algorithm by which the contents of the silo/tank is consumed: differs for fluids or solids. Mandatory setting.

- FEFO: First to expire, first out
- Silo: Bottom layer (FIFO)
  - based upon the batch ID
  - based upon the move timestamp to the silo
- Tank: Multi-layer (Consume a part from each batch)

#### **Tank: Multi-layer**

In the following case, if a stock item quantity is less than 1% of the total inventory at the storage location, the entire stock item will be used, even if it exceeds the required quantity. 

### **3.8.3. Cycle Count**



#### ***Allow location to be counted during cycle count***

Is the location allowed to be counted?

#### ***Allow location to be counted during other operations***

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

#### ***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

#### ***Count after X days***



When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

**Count after X operations**

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

**Locked by (read-only field)**

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

**Configure Mobile Client on Organizational Structure**

A thin client is a fixed or mobile operator station (touchscreen, handheld terminal, etc.), by which the operator can interact and communicate with Produmex WMS. On the thin client level the following settings can be made:

**1. Workflow tab****Workflow**

Next you can also assign a thin client to a "workflow". A workflow is a sequence of actions to execute a certain operation, e.g. Reception, Picking, Production, Shipping, ...

**Parameter set**

For certain flows extra parameters can be set. When selecting a parameter set, the options to enter are available below.

**Number of items in sales unit column name**

Define here the column name of the column that stores the number of items in the sales unit, defined on the item master data. By default 'NumInSale' is used. If you have a UDF to store this value, you can provide the name of the UDF.

**Admin password**

Provide here the password that will be used to unlock the administrator functionality in the showroom application. By default the password is 'produmex'

**2. Warehouses tab**



Thin clients created under a warehouse will see the warehouse locations and orders for the warehouse by default. On the 'Warehouse' tab additional warehouses can be assigned for the thin client. If a warehouse is assigned for the thin client, its locations and orders can be seen on the client. It is not possible to disable the parent warehouse for the thin client by unticking the checkbox to the parent warehouse.

### 3. Users tab



By default every SBO user can use the thin client if there is a free license that can be allocated for the thin client. However it is possible to assign only certain users for a thin client.

If there is at least one assigned user, only assigned users can login on the thin client. In case no users are assigned, ALL users are allowed to access the flow.

On the Users tab every SAP Business One user is listed. Check the 'Assigned' checkbox in to assign an user.

### 4. Default Scales tab



On the Default Scales tab you can set the default scales for users that they use during the Weighing Flow. For more information click [here](#).

## 3.10. Printer settings

For printers the following settings can be set:



#### **Windows printer name**

The printer name by which the printer is referred to in Windows

#### **Page size**

The default page size for the printer

#### **Active**

Set whether or not the printer is active.

#### **Default**

Set whether it is the default printer

### 3.10.1. Printer search path

These printers are used in flows on the devices.

The system will get the printer with the same page size as the report that needs to be printed.

First the system looks for printers below the device (In the organizational structure). Next the system will look if it can find a printer in higher levels, starting from the device.

If the system still does not find a printer, the system will check for printers starting from a location. Which location is taken will depend on the flow where the report will be printed.

Example: For a reception, the location will be the receiving dock.

The same search pattern as for the device is used. So first look for a printer below the location, next on higher levels.

When the system finds several printers on the same level, and there is 1 printer defined as default, it will take that printer. Otherwise the system will take the first printer it finds on that level.

*Remark: When the system searches for printers on higher levels, it will not go back to a lower level to search for a printer.*

### 3.11. Weighing room settings

At the level of a weighing room, the following settings can be defined:

#### 3.11.1. General tab



#### **Active**

Set whether the weighing room is active or not.

#### **Input location**

The location where the ingredients that needed to be weighed are picked. During the weighing process, stock will be moved to the weighing room from the input location.

#### **Output location**

The location where the weighed goods will be moved.

A typical setup is when the input location of the weighing room is the pick to location or the input location of the linked production line and the output location of the weighing room is the input location of the linked production line.

#### **Weigh strategy**

The weigh strategy defines whether the stock to weigh can be selected based on the weigh order or the item code during the Weigh flow. For more information click [here](#).

### 3.11.2. Cycle Count tab



#### ***Allow location to be counted during cycle count***

Is the location allowed to be counted?

#### ***Allow location to be counted during other operations***

Is the location allowed to be counted during other operations? This means that when this location is used on certain flows, the system will check if a count is needed. If so, the system will ask the user to perform a count.

#### ***Locations needs to be counted now***

When this option is enabled, the location will be counted, regardless of the other settings (Number of days, number of operations, ...)

#### ***Count after X days***

When a location has not been counted for the number of days defined here, the location needs to be counted. If the number is 0, this setting is not taken in account, and the setting on company level is taken.

#### ***Count after X operations***

If the number of operations since the last count exceeds the defined number of operations, the location needs to be counted. If the number is 0, this setting is not taken in account and the setting on company level is taken.

#### ***Locked by (read-only field)***

This field shows the key of the user that is locking the location, because he needs to count the location or is currently in process to count the location.

When a location is locked, it cannot be used in other processes.

The location is released by clicking the 'unlock' button.

Stock on locked locations is not taken in account to create pick list (proposals).

### 3.12. Scale settings

Define the scale under a [weighing room,dock](#) or a [packing station](#). One scale can only belong to a single weighing room/dock/packing station.

At the scale level the following settings can be defined:



#### ***Active***

Set whether the weighing room is active or not.

#### ***Scale definitions***

Define the scale on the Scale definitions field.

If the scale is connected without the ScaleComm service, define it with the one of the following formulas:

- Direct connection: com:/ /Port?Baudrate,Databits,Parity,Stopbits

Example:

```
com: //COM3?9600,8,N,1
```

- Local network: tcp:/ /IP address

Example:

```
tcp: //192.168.1.5:4001
```

If the scale is connected by using the ScaleComm service, tick the *Use as a service* checkbox and define the scale with the following formula:

- http:/ /URL of the server where the service runs/scale code (OSE)/communication parameters

Example:

```
http: //192.168.1.2:9991/SCL01/com: //COM3?9600,8,N,1
```

### **Uom**

Select the unit of measurement of the scale from the Uom dropdown list.

### **Minimum weight**

Enter the minimum weigh of the scale in the Minimum weigh field.

### **Maximum weight**

Enter the maximum weigh of the scale in the Maximum weigh field.

### **Accuracy**

Enter the accuracy of the scale to the Accuracy field.

Example: If the number of decimals is 2 – Accuracy: 0.01

### **Scale commands**

Define the scale commands. Select the command type. The following command types are supported:

- Set tare
- Set zero
- Get weight
- Weight return

The 'Zero return' and the 'Tare return' commands are not supported yet but are reserved for future use.

Add the description to the *Description* field and the command to the *Command format* field.

#### *Command format*

Please refer to the user manual of the scale to see the command.

The syntax of the Weight return result string should be a regular expression.

Example:

Weight return string from the scale manual:

```
<LF><p>w1w2w3w4w5w6<dp>w7w8u1u2<CR><LF>H1H2H3<CR><ETX>
```

Weight return string defined for the scale on the Organizational Structure:

```
\x0a * (? 'weight' .+) (? 'uom' .. ) \x0d \x0a .+ \x0d \x03
```

### 3.12.1. Defining multiple scales through one port

#### **Produmex WMS Organizational Structure**

First create a 'scale' type element in the Organizational Structure of Produmex WMS for the port. Add a unique code and name. Example:

```
PORT, Port for scale
```

Define the port on the Scale definitions field with one of the following formulas:

- Direct connection: com:/ /Port?Baudrate,Databits,Parity,Stopbits

Example:

```
com: //COM3?9600,8,N,1
```

- Local network: tcp:/ /IP address

Example:

```
tcp: //192.168.1.5:4001
```

Do not check the 'Use as service' checkbox.

The ScaleComm service will establish the connection to the port based on the configuration file of the ScaleComm service.

The scales connected through the port will be identified based on the sent command.

Select the command type and add the scale codes and the scale command to the Command format field using the following formula: *scale code;command;scale code;command*

Example:

Get weight command:

```
scale01;S6R$;scale02;S7R$
```

Where:

- 'scale01' = scale code of the first scale

- Weight Return command:

```
(?'weight'.+)\x0d\x0a;(?'weight'.+)\x0d\x0a
```

The order and the number of the scale commands must be the same as in the 'Get weight command'.



Open the [configuration file](#) of the ScaleComm Service.

Add the code of the port defined in the Organizational Structure as the value for ScalesCodes.  
Example:

```
<add key="ScalesCodes" value="PORT" />
```

Make sure that the 'Skip Polling' option is set to 'False' and adjust the 'Polling Interval' if needed.

Open the [Scale Weigh Result user table](#) via the following path: Tools> Default forms. Add the scale codes defined on the Command format field as the 'Code'.

When the ScaleComm Service runs, it will add the weight to the 'Weigh' field of the matching scale.

[illegible]

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